CITYLITE

General Trading LLC



DUBAI PEARL BUILDING, OPP. HABIB BANK AG ZURICH, OFFICE NO. 207, BANIYAS, ABRA ROAD, DEIRA, DUBAI

+971 4 491 9998
www.citylite.ae

About Company

Since 1997 with a growing Journey of **CityGold** Group **Mr. Mustafa Sheik Mohammed** along with his son **Mr. Ahmed Rafiq Mustafa** (founders CityGold). Under Mr. Ahmed Rafiq's guidance diversified the business and started **MFG Consumer Products** in **2005** and **CityLite General Trading LLC, in 2022**.

With a vision of creating best FMCG products from India to the International Markets and strong brand ownership, being able to provide our customers with the finest products at an affordable price. We are proud to be one of UAE's most passionate and respected company. At **CityLite General Trading LLC** we pride our selves on working with our customers to ensure their success through providing Innovative solutions tailored to their needs.

With a best experienced team in their specific fields we are one of the leading exporters and importers of **Sugar, All Purpose Flour, Frozen Meat, Poultry, Eggs, Fruits & Vegetables, Spices, Organic Products, Alim's Ready to Cook Products, other FMCG products and Gem Stones**.

CityLite General Trading LLC made **MOU** with **FixoBoard, Maharashtra, India Manufacture of PVC/WPC Ply, Digital Doors, and Paver Blocks etc, and MaxMoc Motor Works, Dindigul, Tamilnadu, India, Manufactures of Exhaust After Treatment Systems for Diesel Engines** to introduce and market their products in international Markets.

About Company

With specialized field retail consultants in each major country and an internal customer service team built around a market leading fully integrated sales, marketing, ordering and fulfillment system it allows our customers to transact with us in the most time efficient and convenient manner.

Our customer base consists of leading major Importers and Exporters along with grocery stores, hamper companies, distributors, independent hypermarkets, delis, fruit and vegetable specialists, department stores, gifting stores and gourmet retail outlets.

CityLite General Trading LLC, exports to major specialty food retailers throughout UK, USA, New Zealand, Singapore, Hong Kong, Iraq, Iran, Jordan, Kuwait, Malaysia, Europe, Thailand, Vietnam, Philippines, Turkey and Ukraine. From our humble beginnings, selling our products in Farmers Markets and Field Days through out India our brands and products are now also available across the globe. With a strong leadership of Mr. Ahmed Rafiq Mustafa we are proud to be among the well established and trusted exporters around the globe

Meet Our Team



Ahmed Rafiq Mustafa
Partner/M.D



Jaffer Sadiq Mustafa
Partner



Mohammed Mustafa
Partner



Hassan Eid Yacobb Alhsyni
Financial Advisor



Ayesha Chaudhary
Manager
Imports & Exports



Mohammed Ghazali
Asst. Manager

Vision

At City Lite, we believe that our success relies on the healthy relationship we nourish with the farmers, local suppliers, quality inspectors, buyers, sellers and everyone involved in the supply chain. With the backing of talented and experienced quality controllers, we ensure the quality the buyers demand in the solution we provide. City Lite actively merchandises commodities such as whole spices, tea leaves, frozen & chilled boneless buffalo meat, mutton, chicken, rice, flour, frozen vegetables, sugar, oil and all other daily consumable products, in and out of the region.

We want to be the best reference when it comes to create a bridge between buyer and seller, our background and expertise in the production and trading of materials additivies the necessatities satisfaction for both buyer and seller level, this is what distinguishes us from the competition.

Mission

We aim to develop a strong bonding between buyer and seller, our goal is to offer the best quality, rate, service and timely delivery to buyers and give the seller the best cost accurately.We strive to be a partner for our customers by aiming for the highest quality and offering reliable solutions

PRODUCTS



Sugar



All Purpose Flour



Basmati Rice



Indian Spices



Frozen Products



Fruits & Vegitables



Aalim’s Ready to Cook Products



Frozen Meat



Lentils

PRODUCTS



Dry Fuits



Indian Tea



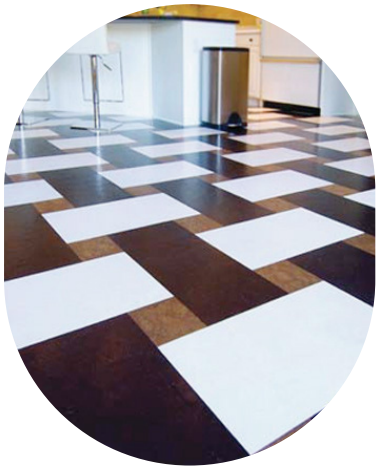
Food Stuffs



Gem Stones



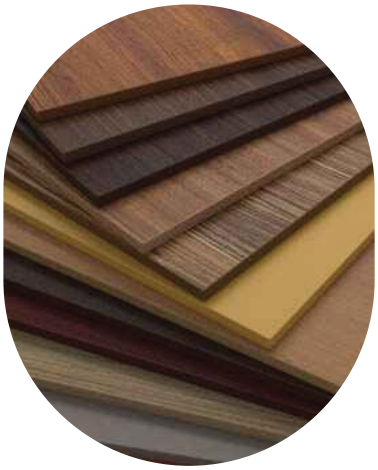
Fire Extinguisher



Marbles & Ceramic Tiles



Imitation Jewellery



PVC/WPC Board



Exhaust After Treatment System

PRODUCTS

MAXMOC MOTOR WORKS

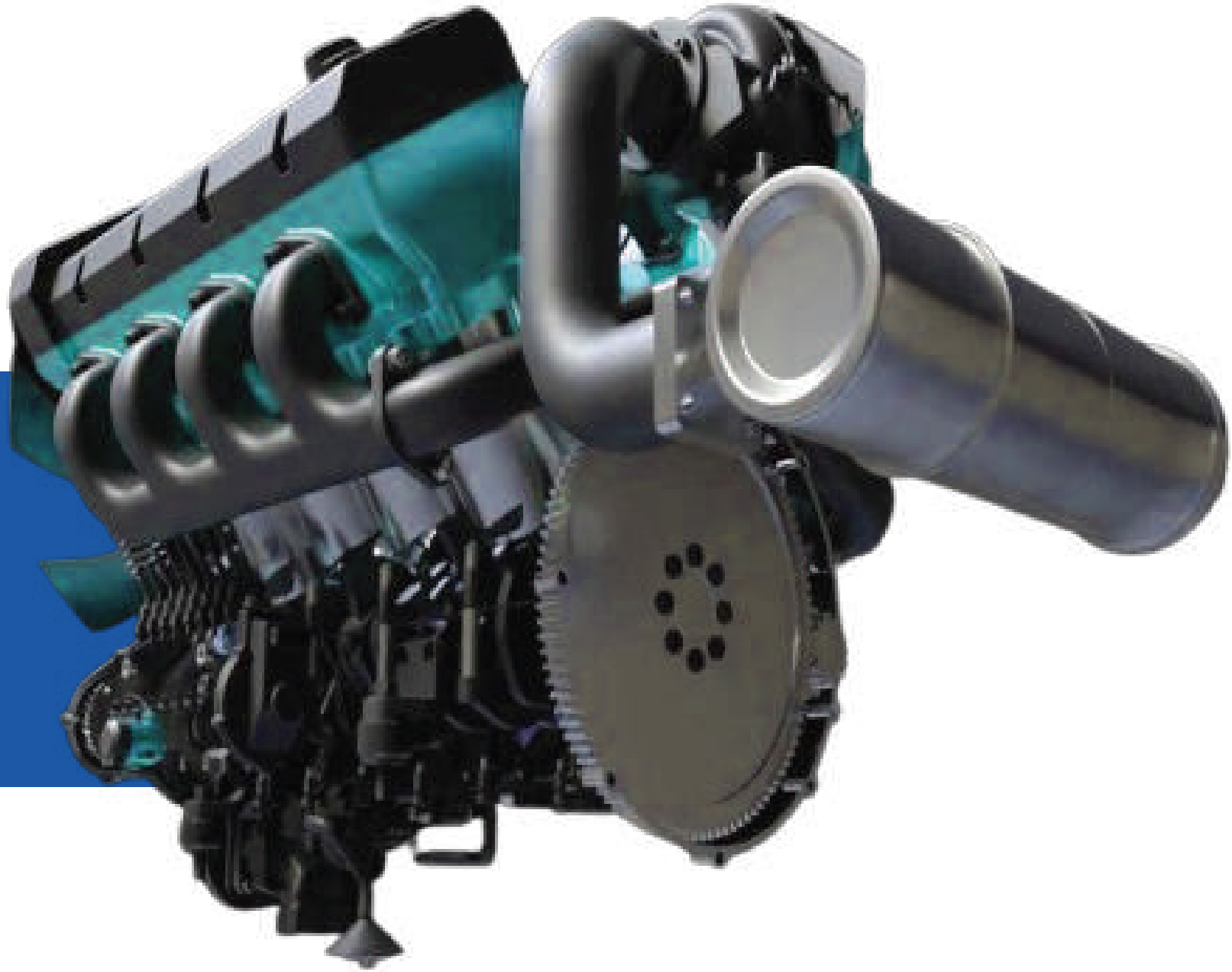


Dual Fuel Kit



After Exhaust Treatment System

MW
MAXMOC MOTOR WORKS



Emission Testing

Cleaner Air, Safer Tommorrow

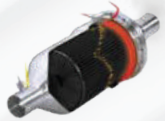


Engine Out

Others POC



HJS - pSMF



HJS SMF

MAXMOC MOTOR WORKS

Board of Directors







Sathish Kumar Murugan

Chairman,

100/2A Alamarathupatti,
Dindigul, Tamilnadu,
India-624303

Sathya Bama

Director,

100/2A Alamarathupatti,
Dindigul, Tamilnadu,
India-624303

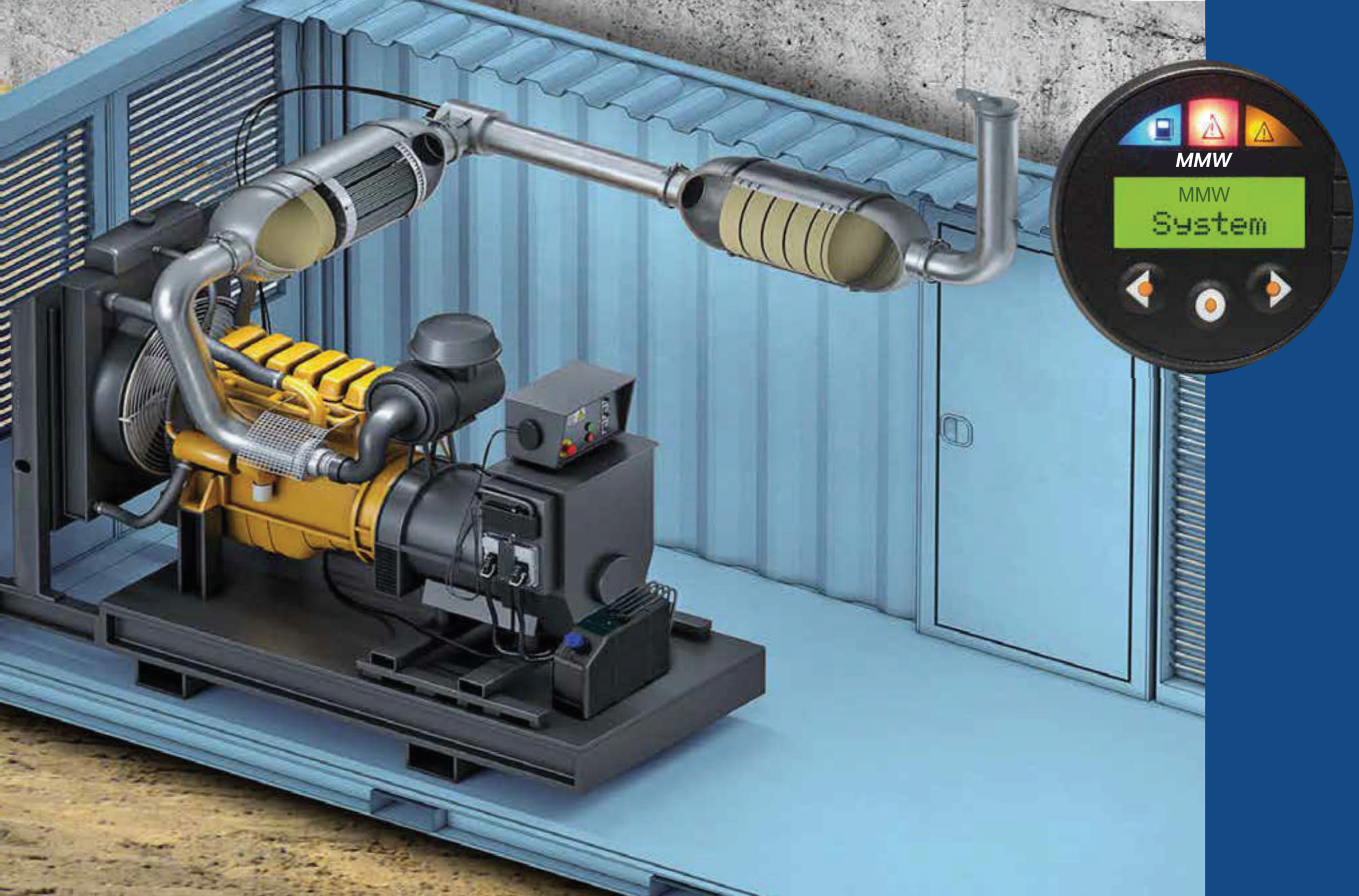
Ahmad Rafiq Mustafa

Director,

105, Gordon Hall APTS,
Flat 61, C wing ,
6th Floor , Sofia Zuber Road,
Nagpada, Mubai, Maharashtra,
India - 400008

MMW
MAXMOC MOTOR WORKS

Genset Retrofit



Type Approval Certificate

ICAT
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अंतर्राष्ट्रीय ऑटोमोटिव प्रौद्योगिकी केन्द्र
INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY
[A Division of NATRiP Implementation Society (NATIS), Govt. of India]

C O T G 0057

Date : 09th March 2024

TYPE APPROVAL CERTIFICATE

FOR

Retro-fit Emission Control Devices (RECD) Compliance

Cert	Report	Specs	Drg	Total
05	11	58	02	76 pgs

1. Based on the verification of documents & trials conducted on RECD model "MMW/DAT-SAT.2" (Family designation DAT-SAT-2 Filter) for below mentioned manufacturer/importer and it is certified that the following RECD model complies with the provisions of Type Approval of CPCB System Procedure for Retro-fit Emission Control Devices (RECD) Compliance to Diesel Power Generating Set Engines Up to Gross Mechanical Power 800 kW, as per NGT Order/report "Report filed in O.A. No. 681/2018 dated 6.08.2019".

Documental Reference	RECD Supplier (Manufacturer/Importer)	
Current Certificate	M/s Maxmoc Motor Works India Pvt. Ltd. 273/3B Ponnusamy Nagar, A Zone, Alkkuvarpatti, Dindigul - 624001 Plant / Warehouses: Dindigul & Noida	
Brand Name	**RECD Manufacturer**	**Import Category**
MMW/DAT-SAT	(i) M/s HJS Emission Technology GMBH & Co.KG (ii) M/s Dieselweg12, 58706 Menden (Sauerland), Germany	M/s Maxmoc Motor Works India Pvt. Ltd., 273/3b Ponnusamy Nagar, A Zone, Alkkuvarpatti, Dindigul - 624001
RECD Family Designation	**Engine Manufacturer**	**Tested Engine Model**
DAT-SAT-2 Filter	M/s Cummins India Limited	6L8.9TAA-G4
RECD Model	**Engine Cubic Capacity**	**Gross Engine Power**
MMW/DAT-SAT.2	8880 cm^3	250 kW @ 1500 rpm
Engine Baseline emissions CPCB Stage -II	**Class of RECD** Class II	**Engine Manufacturing Date** March 2018
S. No. / **Item Description**	**Parent RECD Type** Annexure-II	
RECD suitable for Phase I Certified Diesel Generator engine / engine families		Annexure-III

2. **Validity of the Certificate**

This Type Approval Certificate is valid for Genset engine CPCB Stage -II effective from 01.07.2014 to 30.06.2023.	a.	As per System and procedure for Emission Compliance of Retro-fit Emission Control Devices(RECD) for Diesel Power Generationg Set Engines up to Gross Mechanical power 800kW as per NGT Order/report "Report filed in O.A. No. 681/2018 dated 06.08.2019 or until further amendment in the MoEFCC rule, whichever is earlier.
	b.	No change in specified RECD technical specification.

3. It is certified that the above **RECD Model** (Details listed in Annexure-II)comply with the emission limits for Retro-fit Emission Control Devices (RECD) to Diesel Power Generating Set Engines having Gross Mechanical Power **109.8kW to 248.6kW**, as prescribed under the following rules, notified by **Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India:**

Rule No.	Description	Date
CPCB-PCLS/12/2021-22	System and procedure for Emission Compliance of Retro-fit Emission Control Devices(RECD) for Diesel Power Generationg Set Engines up to Gross Mechanical power 800kW as per NGT Order/report "Report filed in O.A. No. 681/2018 dated 6.08.2019	01.02.2022

4. COP : COP shall be completed by **30.06.2024** as per CPCB Procedure, for details refer **COP Annexure-I.**

AUTHORISED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER	INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY • MANESAR •	SAURABH DALELA DIRECTOR	Page 1 of 5

Office Address : Centre-I : Plot No.-26, Sector-3, HSIIDC, IMT-Manesar, Gurugram-122050. Haryana (India)
Centre-II : Plot No.-01, Sector-M-11, HSIIDC, IMT-Manesar, Gurugram-122051. Haryana (India)
Phone : 0124-4586111, Fax : +91-124-2290005. E-mail: team@icat.in, Website : www.icat.in
(An ISO 9001, ISO 14001 and ISO 45001 certified, scope wise NABL accredited and BIS recognised Test House)

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DISCLAIMER

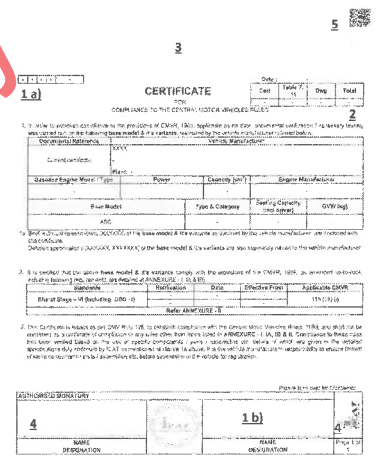
1. ICAT issues "Type Approval Certificates" (TAC) for vehicles/ engines/gensets/ parts/ assemblies etc. based on the documents produced and/or prototype / vehicle(s) submitted by the applicant and testing thereof.
2. ICAT issues TAC in compliance to Motor Vehicle Act/ Central Motor Vehicle Rules/ Central Pollution Control Board rules and their provisions as amended from time to time or any other statutory orders under which ICAT is authorized. Other Rules/Acts are outside the purview/scope of the TAC.
3. Test(s) on prototype is/are carried out on the basis of standard procedures as notified under specific rules. Results of such tests are property of bearer of TAC. These results cannot be disclosed unless specifically ordered by Government, Court, etc.
4. The bearer of the TAC is under the obligation to ensure production strictly as per the provisions of the specific TAC.
5. ICAT is not responsible for testing each vehicles/components/parts/assemblies etc. for which TAC is issued. Further, ICAT is not responsible for ensuring manufacturing quality of the type approved vehicles/ components/ parts/ assemblies etc.
6. ICAT is no way responsible for any misuse or copying of any design/type/system in connection with entire vehicle/ components/parts and assemblies covered under the TAC.
7. Breach of any statutory provision of Indian laws or laws of other countries, will be sole responsibility of the bearer of the TAC and ICAT shall not be liable for any claims or damages. The bearer shall alone be liable for the same, and shall undertake to indemnify ICAT in this regard.
8. ICAT has the right, but not under obligation to initiate cancellation / withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ICAT.

The appropriate local court at Gurugram shall have the jurisdiction in respect of any dispute, claim or liability arising out of this certificate/report.

SECURITY FEATURES

This certificate has the following security features:

1. Ultravoilet (UV) printing : This certificate contains following the information printed in UV ink which can be read only under UV light:
   a) Certificate number (below the certificate number on the top left side)
   b) Signature of Director (bottom right side)
2. Pantograph (top right below the number of pages) : This box will appear only on original document
3. Watermark (diagonally in the background on full page) : The water mark consists of company name and model name
4. Micro text (horizontal line in signature boxes) : The thin hairline consists of company name and model name
5. Secure Mark (topmost right) : The QR code consists of company name, certificate number & date and model name



C O T G 0057

Date : 09th March 2024

COP Annexure-I

Criteria*	COP Required
RECD Manufacturer/Importer/Retrofitter	RECDs fitted on engines of all ratings shall be subjected to the verification of CoP once for every 500 units per family or once a year, whichever is earlier
	Wherever applicable, RECDs fitted on engines of all ratings of engines shall be subjected to the verification of PCD once every CoP-year by PCD family (ies) representative RECD(s). Such demonstration is PCD family dependent and irrespective of combined volumes produced and sold under such family (ies)

* As Applicable

Annexure-II

S No	Item Description	Parent RECD Type
		Type 1
1	Manufacturing Plant / Warehouses address	M/s Maxmoc Motor Works India Pvt. Ltd. (i) S.F. No. 3/94, N. Panjampatty, NH44, Dindigul to Madurai Main Road, Alamarathupatti PO, Dindigul - 624303 (ii) S.F. No. 70/1A, Balakrishnapuram Village, Dindigul East Taluk, Dindigul (iii) No. C-14, Sector-9, Noida, UttarPradesh-201301
2	Manufacturer's trade name or mark	M/s Maxmoc Motor Works India Pvt. Ltd.
3	RECD family designation	DAT-SAT-2 Filter
4	RECD type/model designation	MMW/DAT-SAT.2
5	RECD Category (Domestic/Imported)	Imported
6	Class of RECD	Class II
7	Type Identification of the RECD	Continuous
8	Location of type ID marking	Refer Specification no. MMW/RECD/05/03//24 dtd. 05/03/2024 Clause no 1.8
9	Identifying part number(s) of the RECD	DAT SAT 2 SERIES 6000
10	Engine/ ~~Engine Family~~ for which the RECD is intended (application range)	6L8.9TAA-G4
11	PM Reduction Efficiency of the RECD	96.00%
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -II

ICAT Ref No.	2023-2163; IOCS No: 174160
Base Engine Type Approval Certificate number	ARAI/MOEF/DGTA/CILP-F56/2015-25
Test Report Reference	CT0ET 0093 dt. 07/03/2024

AUTHORISED SIGNATORY

SITARAM KASHYAP
DEPUTY GENERAL MANAGER

SAURABH DALELA
DEPUTY GENERAL MANAGER

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C O T G 0057

Date : 09th March 2024

Annexure-III

List of applicable engine(s) as per 771(E) dtd. 11.12.2013 and GSR 232(E) dtd. 31.03.2014 Phase II certified In -Use DG sets for corresponding RECD models of RECD Family.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
1	Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 & Ashok Leyland Ltd., 175, Hosur Sipcot Industrial Complex, Rajaji Nagar, Hosur- 635126	F25	AL6DTIDG4	147 kW	ARAI/MoEF/DGTA/ALL-F25/2014- 02-E1 Dated: 26-Jul-2014
2			AL6DTIDG2	116 kW	
3			AL6DTIDG3	130 kW	
4	Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 & Ashok Leyland Ltd., kathivakkam High Road, P.O.Box No.3, Ennore, Chennai-60005	F40	AL8NTIDG6	223 kW	ARAI/MoEF/DGTA/ALL-F40/2015- 11-E1 Dated: 2-Sep-2016
5			AL8NTIDG5	180 kW	
6		F50	AL8NTIDG6	181 kW	ARAI/MoEF/DGTA/ALL-F50/2022- 19 Dated: 03-February-2022
7	Cooper Corporation Pvt. Ltd, Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003 & Cooper Corporation Pvt. Ltd, Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003	F14	6G5D1C228IW	228 kW	ARAI/MoEF/DGTA/CCPL- F14/2017-07 Dated: 18-Aug-2017
8		F10	6B5D1C190RW	190 kW	ARAI/MoEF/DGTA/CCPL- F10/2014-04-E1 Dated: 17-Aug-2015
9			4B5DIC113RW	113 kW	
10			6B5D1C150RW	150 kW	
11			6B5D1C170RW	170 kW	
12	Deutz Engines India Pvt. Ltd., 6, Ramabai Ambedkar Road, B Wing, 4th Floor, Heritage House, Pune 411001. Maharashtra, India & DEUTZ AG Ottostrasse 1, D-51149, Koln (Porz- Ell) / Germany	F1	TCD2013L064V	250.7 kW	ARAI/MoEF/DGTA/IMP/DEIPL- F1/2015-01 Dated: 11-Sep-2015
13		F4	TCD2013 L062V (D3UC151)	151 kW	ARAI/MoEF/DGTA/IMP/DEIPL- F4/2016-04 Dated: 08-June-2016
14			TCD2013 L062V (D3UC130)	130.6 kW	
15	Cummins India Limited, Cummins India Office Campus Tower A, 5th Floor Survey No. 21, Balewadi, Pune 411045 & Cummins India Limited, India Parts Distribution Center Plot no. A-1, MIDC Phaltan, Village-Survadi, Phaltan-Lonand road, Taluka Phaltan, Dist. Satara, Maharashtra	F50	QSL9 G16	249 kW	ARAI/MoEF/DGTA/CILP-F50/2017- 27-E3 Dated: 4-Jan-2019
16		F56	6L8.9TAAG-4	250 kW	ARAI/MoEF/DGTA/CILP-F56/2015- 25-E2 Dated: 7-Feb-2018

AUTHORISED SIGNATORY

SITARAM KASHYAP
DEPUTY GENERAL MANAGER

SAURABH DALELA
DIRECTOR

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Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
17	Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalthana, Aurangabad-431210 & Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalthana, Aurangabad-431210	F101	4G11TAG26	114 kW	ARAI/MoEF/DGTA/GCLP- F101/2015-10-E3 Dated: 18-Aug-2021
18		F201	6G11TAG29	178.8 kW	ARAI/MoEF/DGTA/GCLP- F201/2015-11-E2 Dated 18-Aug-2021
19			6G11TAG28	163 kW	
20			6G11TAG27	144.5 kW	
21		F251	D3V6TAG21	227 kW	ARAI/MoEF/DGTA/GCLP- F251/2015-12-E1 Dated 18-Aug-2021
22		F161	6G11TAG26	144.5 kW	ARAI/MoEF/DGTA/GCLP- F161/2017-14-E2 Dated 18-Aug-2021
23	Kirloskar Oil Engines Ltd. Khadki, Pune & Kirloskar Oil Engines Ltd, D1,Kagal Hatkanangale,M.I.D.C, At & PO Talandage, Dist- Kolhapur	F114	6SL1500TAG3	228 kW	ARAI/MoEF/DGTA/KOEL- F114/2014-14-E1 Dated 09-Feb-2016
24			6SL1500TAG2	183 kW	
25	Deutz Engines India Pvt. Ltd., 6, Ramabai Ambedkar Road, B Wing, 4th Floor, Heritage House, Pune 411001. Maharashtra, India & Kirloskar Oil Engines Ltd, D1,Kagal Hatkanangale,M.I.D.C, At & PO Talandage, Dist- Kolhapur	F113	6K 1080TA G2	147 kW	ARAI/MoEF/DGTA/KOEL- F113/2014-13-E4 Dated 01-June-2021
26			6R1080TAD	114.7 kW	
			6R1080TA G1	128.7 kW	
28	Tata Motors Limited, Pimpri, Pune & Tata Motors Ltd., Jamshedpur, 831010	F33	697 TC 10	115 kW	ARAI/MoEF/DGTA/TML/- F33/2018-08-E1 Dated 29-May-2019
29	Tata Cummins Pvt. Ltd., Telco Township, Jamshedpur, Jharkhand & Tata Cummins Pvt. Ltd., Plot No. A-1/1, A- 1/2/1, Survadi, Phaltan, Satara, Maharashtra	F40	QSB 5.9-G2	154 kW	ARAI/MoEF/DGTA/TCL-F40/2017- 07 Dated 23-Sep-2017
30			QSB 5.9-G1	137 kW	
31		F49	6BTAA5.9-G13	119 kW	ARAI/MoEF/DGTA/TCL-F49/2019- 08-E1 Dated 26-Sep-2019
32		F55	QSB 6.7-G16	209 kW	ARAI/MoEF/DGTA/TCL-F55/2019- 09-E1 Dated 21-May-2021
33			QSB 6.7-G14	174 kW	
34			QSB 6.7-G15	191 kW	
35			QSB 6.7-G17	229 kW	
36	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh & VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur- 454775, Dist-Dhar, Madhya Pradesh	F7	EE694TCI 125KVA CPCB-II	115 kW	ARAI/MoEF/DGTA/VECV-F7/2017- 10 Dated 21-Jun-2017
37		F12	EE694 TCI 160KVA CPCB-II	148 kW	ARAI/MoEF/DGTA/VECV- F12/2016-09 Dated 26-Aug-2016

AUTHORISED SIGNATORY

SITARAM KASHYAP
DEPUTY GENERAL MANAGER

SAURABH DALELA
DIRECTOR

C O T G 0057

Date : 09th March 2024

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
38	Volvo India Private Limited, Volvo Penta. Yalachahally, Tavarekere Post, Hosakote TQ, Bangalore, Karnataka-562 122 & AB Volvo Penta Cologne Germany	F14	TAD754GE	219 kW	ARAI/MoEF/DGTA/IMP/VOLVO-F14/2014-04-E1 Dated 30-Jun-2015
39	EICHER TRACTORS, (A Unit Of TAFE Motors & Tractors Ltd.) Itarana Road, Alwar- 301 001	F12	1751 ES	118 kW	ICAT/MOEFCC/DGTA/ EICHER-F12/O-0982 dt. 28.05.2019
40	M/s. JCB India Ltd., 23/7, Mathura Road, Ballabgarh-121 004, Haryana,India.	F9	JCB 448 TCAG-121	121kW	ICAT/MOEF/DGTA/JC B - F9/K-0463 dt. 15.06.2015
41	M/s. Baudouin (Weifang) Power Co. Ltd., Add : No. 197A, Fushou East Street., High-new Technology, Industrial Development Zone,Weifang, Shandong, China.	F12	6M16G225/5E3	204 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-F12/N- 2145 dt. 19.11.2018
42			6M16G180/5E3	175 kW	
43			6M16G160/5E3	155 kW	
44		F6	6M11G125/5E3	117 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-F6/N- 2136 dt. 16.11.2018
45		6M12G	6M12G4D2/5	196 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-6M12G/P-0840 dt.06.07.2020
46			6M12G2D2/5	168 kW	
47		6M11G	6M11G2D2/5	143 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-6M11G/P-0836 dt. 06.07.2020
48		4M12G6D5	4M12G6D2/5	125 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-4M12G6D5/P-0884 dt.13.07.2020
49		4M07G6	4M07G6D2/3	120 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-4M07G6/P-1729 dt. 01.12.2020
50	M/s. Shandong Heavy Industry India Pvt. Ltd., Add: Survey No. 280/281,Hinjawadi Phase II, Village Mann, Taluka Mulshi, Pune - 411057, Maharashtra,India	F12	6M16G225/5E3	204 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-F12/N- 2145 dt. 19.11.2018
51			6M16G180/5E3	175 kW	
52			6M16G160/5E3	155 kW	
53		F6	6M11G125/5E3	117 kW	ICAT/MoEFCC/DGTA/ SHIPL-F6/N-2135 dt. 16.11.2018
54		6M12G	6M12G4D2/5	196 kW	ICAT/MoEFCC/DGTA/ SHIPL- 6M12G/P-0839 dt. 06.07.2020
55			6M12G2D2/5	168 kW	
56		6M11G	6M11G2D2/5	143 kW	ICAT/MoEFCC/DGTA/ SHIPL- 6M11G/P-0835 dt. 06.07.2020
57		4M12G6D5	4M12G6D2/5	125 kW	ICAT/MoEFCC/DGTA/ SHIPL-4M06G6D3/P- 0880 dt.13.07.2020
58		4M07G6	4M07G6D2/3	120 kW	ICAT/MoEFCC/DGTA/ SHIPL-4M07G6/P- 1808 dt. 14.12.2020

Note: Engine details mentioned above are sourced from : www.cpcb.nic.in

*** END OF DOCUMENT ***

AUTHORISED SIGNATORY

SITARAM KASHYAP
DEPUTY GENERAL MANAGER

SAURABH DALELA
DIRECTOR

Innovation • Service • Excellence

Property of MMW

MMW MAXMOC MOTOR WORKS

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER	UDYAM-TN-06-0051670
NAME OF ENTERPRISE	M/S MAXMOC MOTOR WORKS INDIA PRIVATE LIMITED

TYPE OF ENTERPRISE *

SNo.	Classification Year	Enterprise Type	Classification Date
1	2023-24	Micro	27/07/2023

MAJOR ACTIVITY: MANUFACTURING

SOCIAL CATEGORY OF ENTREPRENEUR: OBC

NAME OF UNIT(S)

S.No.	Name of Unit(s)
1	MAXMOC MOTOR WORKS INDIA PRIVATE LIMITED

OFFICAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	273/3B	Name of Premises/ Building	PONNUSAMY NAGAR A ZONE
Village/Town	DINDIGUL	Block	-
Road/Street/Lane	ALAKKUVARPATTY	City	DINDIGUL
State	TAMIL NADU	District	DINDIGUL , Pin 624001
Mobile	9952823148	Email:	jrgsathyasiva@gmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 10/10/2022

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 10/10/2022

7/27/23, 12:48 PM Print : Udyam Registration Certificate

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises

Udyam Registration Number : UDYAM-TN-06-0051670

Type of Enterprise	MICRO	Major Activity	Manufa
Type of Organisation	Private Limited Company	Name of Enterprise	M/S MAXMO WORKS INDI LIMITED
Owner Name	M/S MAXMOC MOTOR WORKS INDIA PRIVATE LIMITED	PAN	AAQCM2589R
Do you have GSTIN	Yes	Mobile No.	9952823148
Email Id	jrgsathyasiva@gmail.com	Social Category	OBC
Gender	Male	Specially Abled(DIVYANG)	No
Date of Incorporation	10/10/2022	Date of Commencement of Production/Business	10/10/2022

Bank Details

Bank Name	IFS Code	Bank Account Number
hdfc bank	HDFC0000881	08811140012460

Employment Details

Male	Female	Other	T
10	3	0	

Investment in Plant and Machinery OR Equipment (in Rs.)

S.No.	Financial Year	Enterprise Type	Written Down Value (WDV)	Exclusion of cost of Pollution Control, Research & Development and	Net Investment in Plant and Machinery OR Equipment[(A)-(B)]	Total Turnover (A)	Export Turnover (B)	Net Turnover [(A)-(B)]

MAXMOC MOTOR WORKS

CERTIFICATE NO:
DIPP118180

#startupindia

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

CERTIFICATE OF RECOGNITION

is to certify that ***Maxmoc Motor Works India Private Limited*** *incorporated as a* ***Private Limited Company*** *on* ***10-10-*** *', is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Design' Industry and 'Industrial Design' sector as self-certified by them.*

This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ **100 Cr.**

30-12-2022	09-10-2032
DATE OF ISSUE	VALID UPTO

CityLite

PRODUCTS

FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY





MAXMOC MOTOR WORKS

Bus Retrofit



Off Highway Retrofit

MMW comprehensive product technology portfolio

Turn Key Solution

Reduction Of Particles



SMF^{R} / pSMF^{R}



SMF -Ar moduler



Ceramic Diesel Particulate filter system

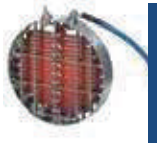
Reduction Of gaseous emission



AdBlue Mixer



SCR - SCRT - System



Thermal management

Periphery



Silencer & Pipes



mounting Parts



Insulation



Stand Alone control (HW - ACU+Software)

AdBLue Mixer

MAXMOC MOTOR WORKS

Get it Compact - High efficiency end can mixer

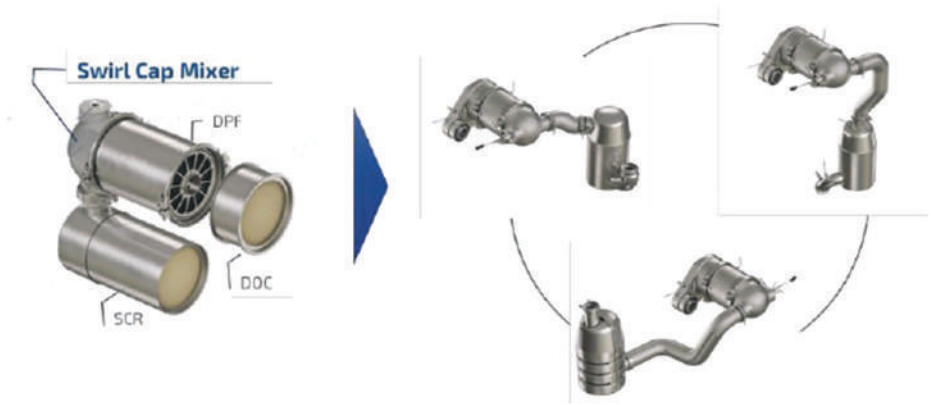
Key Products Indicators

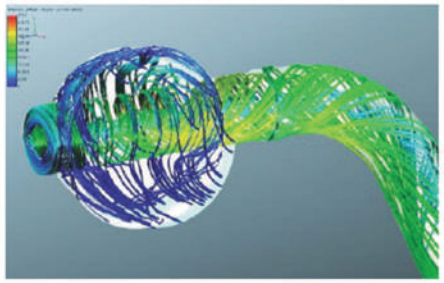
Highly efficient Urea-decomposition at compact space

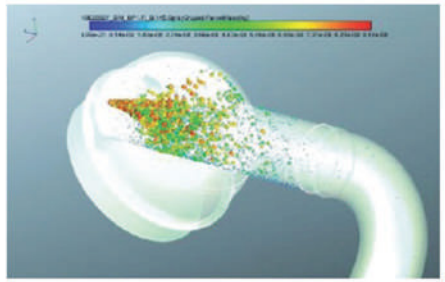
Low backpressure

Adaption to various installation demands up to 560 kW engine power

Very high uniformity assures high NOx-Conversions with low depostion risks







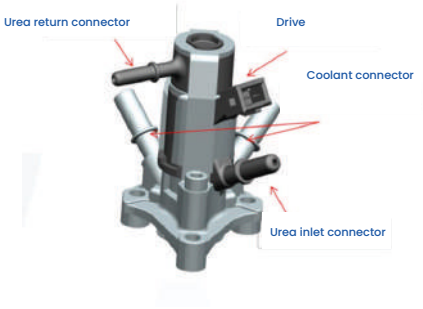




MMW Remote Monitoring Solution



Non air-assisted urea injection system

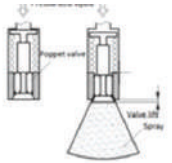


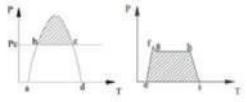
External opening needle valve

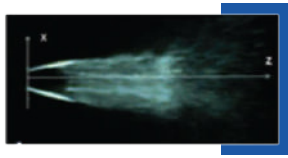
> Compared with hole-type nozzles. it has excellent anti-fouling and anti crystalliation

> Properties pray cone angle40









Umbrella spray

The spray uniformity is higher than that of multi-hole nozzles

Installation method

Commonly used with BOSCH DM2.2

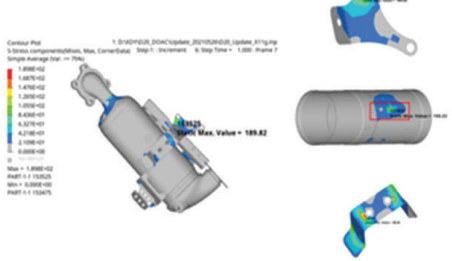


CAE

Modal analysis

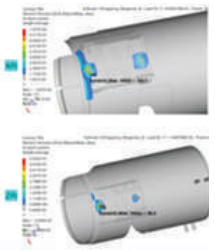


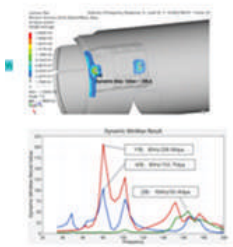
Strgenth analysis

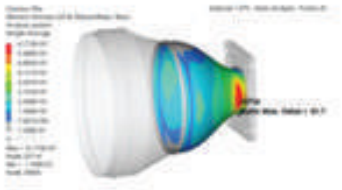


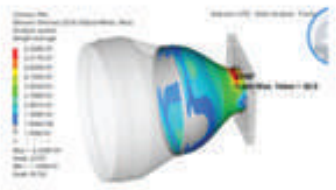
Intake durability analysis

Frequency re onse analysis

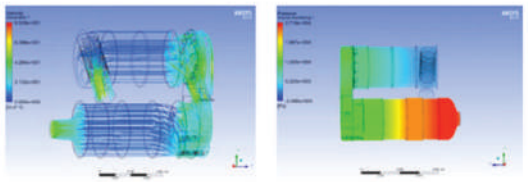


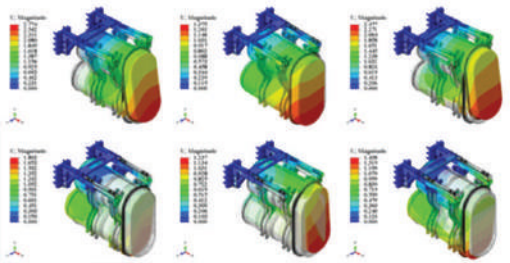


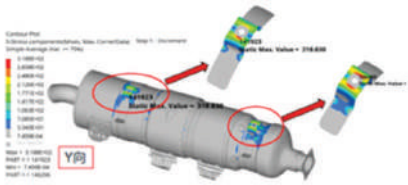




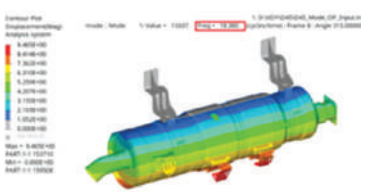
Simulation



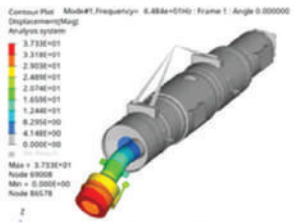




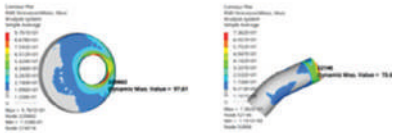
Hanging stress analysis



Vibration modal analysis



Modal analysis



Vibration fatigue analysis

EU Stage 3b OEM Forklift application

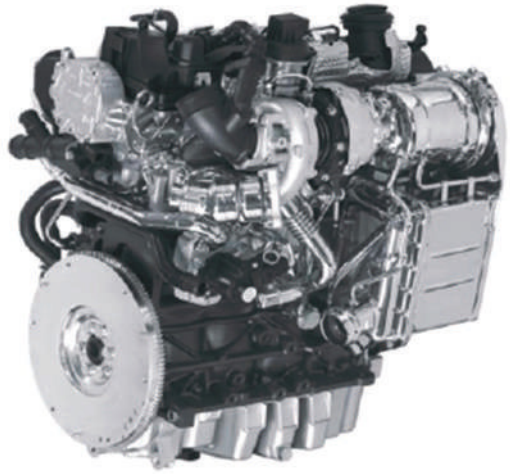
MMW SMF as a ultra compact engine bonded Stage 3b solution



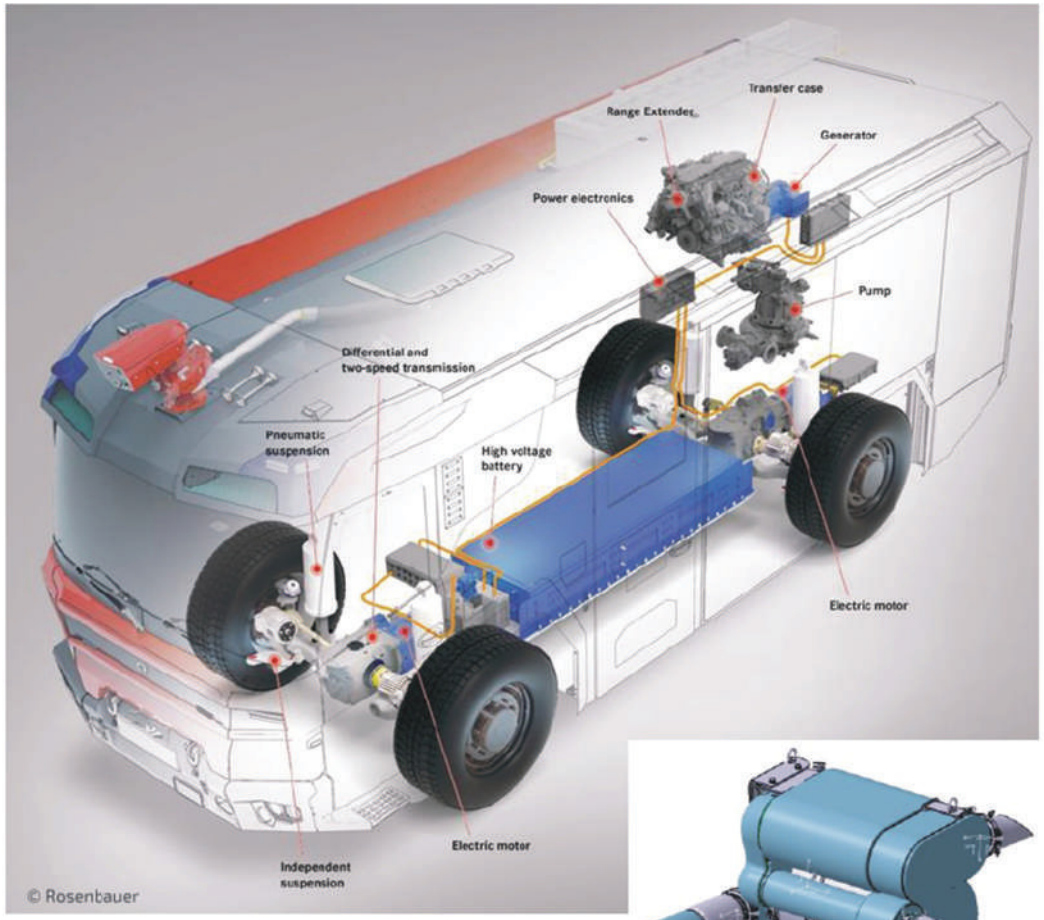


MMW responsibility as Tier 1

- Preparation of requirement specification
- Design including FEA and CFD
- Validation of functional behaviour for system calibration
- Validation of mechanical durability
- Development of high temperature coating SMF
- Validation of catalytic function (requirement of > 8,000 hours maintenance free service ~ 2 to 3 years)



Turn Key Stage V / EPA 27 SCRT system for an range extender application





- 2 electric motors with differential for front and rear axle
- Max. driving power 350kW
- Underfloor HV-battery with 50/100 kWh capacity

Decentralised energy supply in the energy tower

- Internal combustion engine (ICE): 200kW, 3l, I6 Diesel with sequential turbo charging
- Transfer case between ICE, generator and fire pump
- Hydraulic Power-Take-Off (PTO)

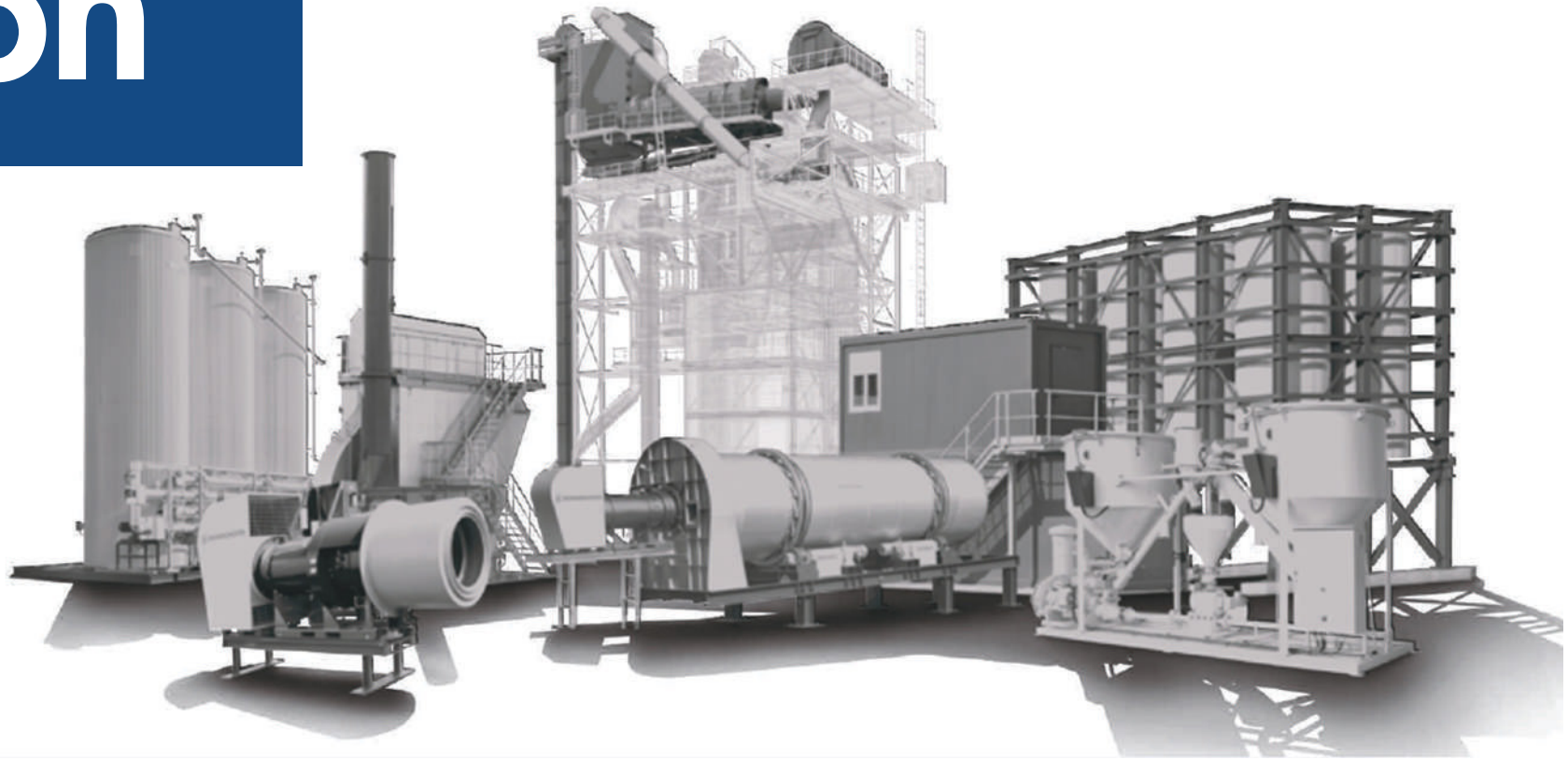
Challenges

- Compact design for integration of EAT concept into the energy tower
- Trade-off: space, emissions, costs

MW
MAXMOC MOTOR WORKS

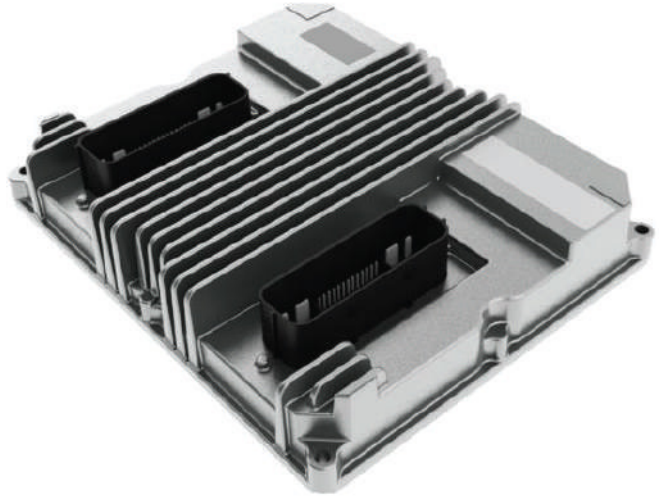
MAXMOC MOTOR WORKS

Industrial Filtration



MMW ACU

Turn Key After Treatment



- ✓ MPC5565 (Freescale), 32 bit floating-point µC, 80 MHz
- ✓ 2 MByte Flash, 192 kByte RAM, 150 kByte NVRAM
- ✓ modell based SW-development and -calibration
- ✓ -> (MATLAB/SIMULINK/STATEFLOW)
- ✓ Electric: 6 - 32V
- ✓ Safety Integrity Level (SIL) 2
- ✓ 3 CAN-Busse according ISO 11898-2, SAE J1939-11 (HS)
- ✓ Onboard Lambda sensor-Interface
- ✓ Internal Data-Logger (30 days)
- ✓ OBD- and Diagnosis protocol as well as Front-Flashing
  - ✓ OBD acording SAE J1939-73 or ISO 15031-5 (SAE J1979) or ISO/PAS 27145 (WWH-OBD)
  - ✓ Diagnostic USD according ISO 14229 or KWP2000 according ISO 14230
- ✓ Application tools:
  - ✓ -> examples VECTOR CANoe, CANape, CANdela, Inca
- ✓ Aluminum-cast housing
  - ✓ -> mech. stability: Vibration 9g / Shock 50g
- ✓ Protection class: IP67/69K
- ✓ Operation temperature: -40°C - +125°C
- ✓ chemical resistance

Real time monitoring System





Telematics and Real-Time Monitoring:

Our telematics system provides real-time monitoring and data analytics, allowing you to keep track of your system's performance, receive maintenance alerts, and utilize geofencing capabilities.

Data Analytics:

With advanced data analytics, you can make informed decisions based on real-time data and historicalperformance trends.

Maintenance Alerts:

Proactive maintenance alerts help prevent unexpected downtime and ensure your system is always running at peak performance

MAXMOC MOTOR WORKS

- User friendly interface
- Enabling effortless management of multiple
- display system
- Intuitive touch controls
- Customizable layouts
- Efficiency of display setup



MAXMOC MOTOR WORKS

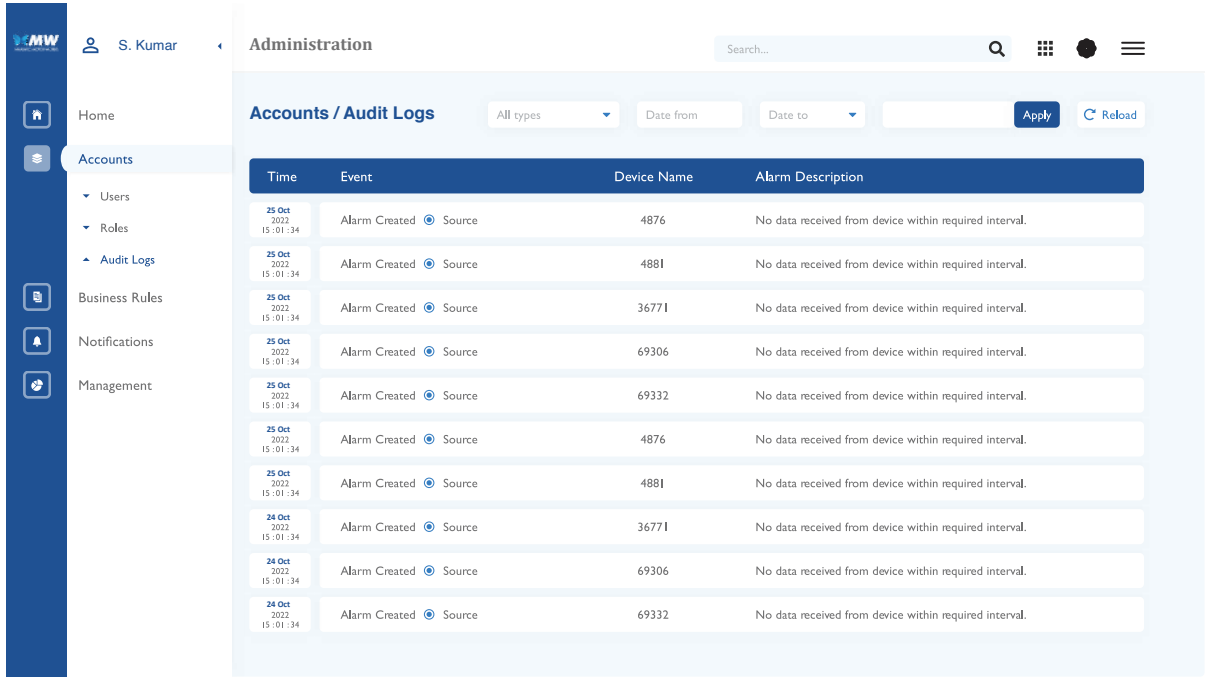
Welcome to Administration

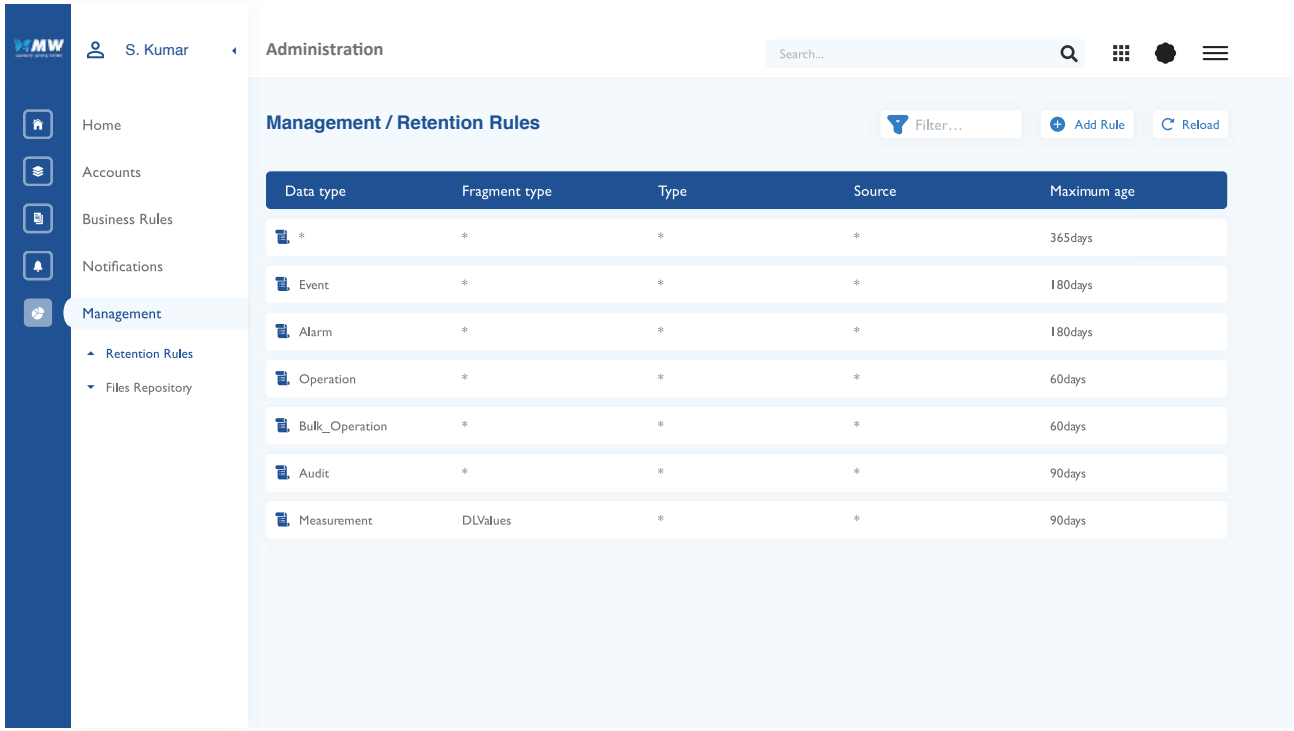
Broadcast

Description	CAN ID	PGN	SPN	VALUE
Delta Pressure	0x18FF00E2	65261	3241	0025
Before CAT pressure	0x18FF00E3	65262	3242	
After CAT pressure	0x18FF00E4	65263	3242	
After CAT pressure	0x18FF00E5	65264	3281	0000
Temperature at CAT	0x18FF00E6	65265	3251	0359
Engine Speed	0x18FF00E7	65266	3291	1481
CAT removal Sensor	0x18FF00E8	65267	3271	

Diagnostics

SPN Description	SPN	FMI
Pressure sensor Short to ground	3241	ON
Pressure sensor Failure	3241	OFF
Pressure sensor Short to bat	3241	ON
Temperature sensor failure	3251	OFF
Temperature sensor short to ground	3251	ON
CAT sensor Failure	3242	OFF
CAT sensor short to ground	3242	ON
CAT removed	3242	ON
Regen Mode	3271	ON
Regen Module failure	3271	ON
Regen Module removed	3271	ON
Regen Module short to ground	3271	OFF


S. Kumar
Administration
Search...
Home
Accounts
Users
Roles
Audit Logs
Business Rules
Notifications
Management
Accounts / Audit Logs
All types
Date from
Date to
Apply
Reload
Time
Event
Device Name
Alarm Description
25 Oct 2022 15:01:34
Alarm Created
Source
4876
No data received from device within required interval.
25 Oct 2022 15:01:34
Alarm Created
Source
4881
No data received from device within required interval.
25 Oct 2022 15:01:34
Alarm Created
Source
36771
No data received from device within required interval.
25 Oct 2022 15:01:34
Alarm Created
Source
69306
No data received from device within required interval.
25 Oct 2022 15:01:34
Alarm Created
Source
69332
No data received from device within required interval.
25 Oct 2022 15:01:34
Alarm Created
Source
4876
No data received from device within required interval.
25 Oct 2022 15:01:34
Alarm Created
Source
4881
No data received from device within required interval.
24 Oct 2022 15:01:34
Alarm Created
Source
36771
No data received from device within required interval.
24 Oct 2022 15:01:34
Alarm Created
Source
69306
No data received from device within required interval.
24 Oct 2022 15:01:34
Alarm Created
Source
69332
No data received from device within required interval.


S. Kumar
Administration
Search...
Home
Accounts
Business Rules
Notifications
Management
Retention Rules
Files Repository
Management / Retention Rules
Filter...
Add Rule
Reload
Data type
Fragment type
Type
Source
Maximum age
*
*
*
*
365days
Event
*
*
*
180days
Alarm
*
*
*
180days
Operation
*
*
*
60days
Bulk_Operation
*
*
*
60days
Audit
*
*
*
90days
Measurement
DLValues
*
*
90days

Key Customers

Approved By

ARAI
Ashok Leyland
TMTL
TAFE 65 YEARS
TATA
Mahindra
Kirloskar Enriching Lives
VOLVO
CATERPILLAR
Perkins
EICHER
Kubota Escorts Kubota Limited
WEICHAI
JCB

PRODUCTS

FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY



PVC/WPC Ply



WPC Doors



Prelaminate Ply



WPC Door Frames



PVC Marble Sheets

FixoBoard®

ATLANTIC POLYMERS

AN ADVANCED MARINE PLY

MANUFACTURERS OF PVC/WPC PLY

A PRODUCT OF ATLANTIC POLYMERS PVT. LTD.



FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

A STEP TOWARDS GREEN REVOLUTION

FixoBoard is not just a brand; it's an initiative, a promise towards Green Revolution. With the growing concern of deforestation caused due to illegal logging of trees for the use of plywood, our world ecosystem is under danger. Logging of trees accounts to the 14% of total cause of deforestation. It's time to stop this & to replace it with a suitable pro-earth alternative i.e FixoBoard PVC/WPC ply.

FixoBoard PVC/WPC ply is 100% environment friendly with various added features which is the most suitable substitute of WOOD/MDF/ FIBRE BOARD/PARTICLE BOARD. FixoBoard will meet the global need of today without compromising the future.

Let's take an initiative to "GO GREEN WITH FIXOBOARD" and make this world a better place to live in.

FEATURES

FixoBoard
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY



TERMITE PROOF

FixoBoard PVC/WPC ply is 100% termite proof which protects your furniture from all types of termite, hence no pest control is required.



100% WATER PROOF

FixoBoard PVC/WPC ply guaranteees 100% water proof. It does not show any symptoms of delamination.



FIRE RESISTANT

FixoBoard is designed in such a way that it can withstand fire without losing its functionality and its purpose.



CHEMICAL RESISTANT

FixoBoard PVC/WPC ply is resistant to all the chemicals along with good medical properties.



UV RESISTANT

FixoBoard PVC ply is designed in such a way that it is unaffected by ultra violet [UV] light or sunlight. It has the ability to resist sunlight and will have no effect on its tensile strength or elasticity even after prolonged sun exposure.



LEAD FREE NON-TOXIC

FixoBoard PVC ply are non-poisonous and totally environment friendly. It has no adverse effect on human life and environment.



NO SHRINKAGE & SWELLING

When the air is humid, wood absorbs moisture and swells; when the air is dry, wood looses moisture and shrinks. However in the case of fixoboard pvc/wpc ply it does not shrink or swell as it is all weather proof ply.



ANTI FUNGAL - ANTI BACTERIAL

Unlike traditional ply which causes fungus - FixoBoard PVC/WPC Ply is 100% anti-fungal & anti-bacterial by nature.



CORROSION RESISTANT

FixoBoard PVC ply is totally corrosion resistant which has the ability to withstand damage, caused by oxidization or other chemical reactions.



100% RECYCLABLE

FixoBoard PVC/WPV ply is 100% re-cyclable and re-usable. By re-cycling PVC/WPC ply with other re-cyclable plastics various things are being manufactured. It also comes with 25% re-sale value.

CARPENTER FRIENDLY

FixoBoard
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

FixoBoard PVC/WPC ply works in complete supplement to plywood. There is no additional knowledge / skill required in the working of the PVC ply - It adapts all traditional carpentry tools and can be - Cut, screwed, drilled, milled, polished etc. With less abrasion and or friction with the structure - the tool life increases. It is very much friendly with hand polish, PU, gloss / Matt, lamination, veneering. For fabrication - with utmost ease - it works well with all standard wood working machines like board saw, CNC router, and multi boring.





PVC PLY

FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

APPLICATION



PVC WARDROBES
& CABINET



PVC JALI



KITCHEN



PVC BED



ADVERTISEMENT
BOARDS



PVC GREY
TANDEM BOX

WPC PLY

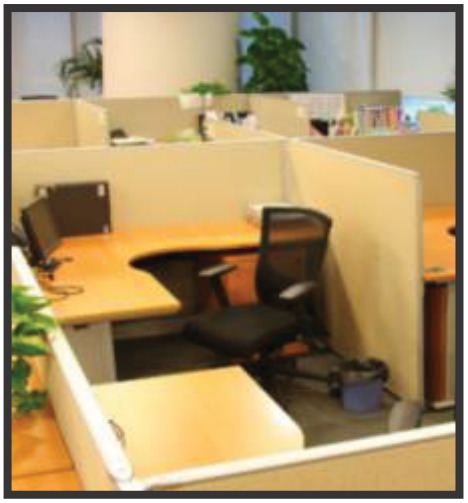
FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

APPLICATION









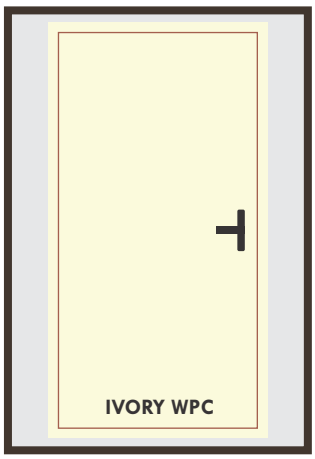


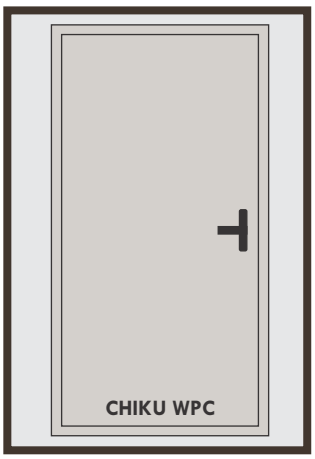


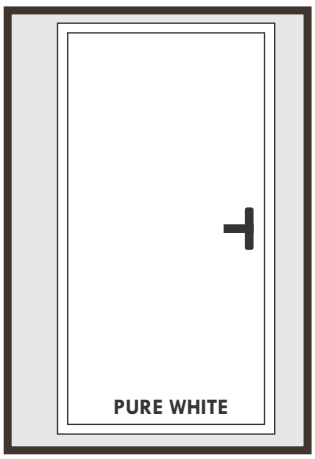
WPC PLAIN DOOR

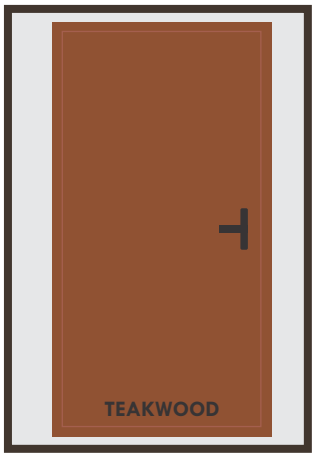
FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

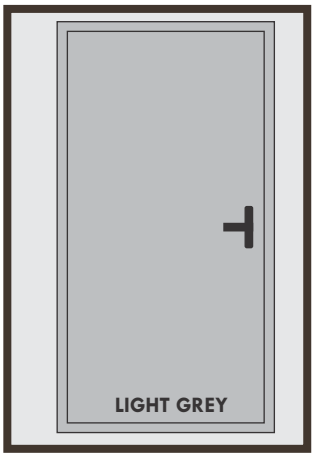
APPLICATION

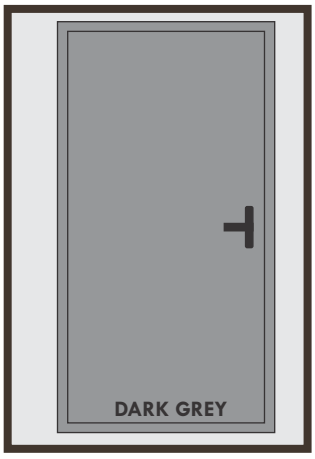


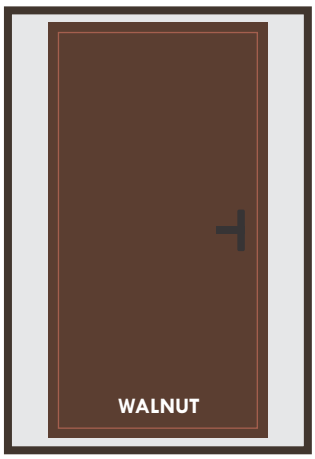


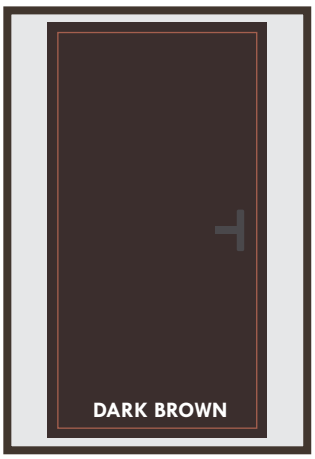












WIDEST WPC PLAIN DOOR COLLECTION IN INDIA

WPC PRINTING DOOR

FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

UV COATED TEXTURE DOORS



TEAK TEXTURE



BEIGE WOOD TEXTURE



WALNUT TEXTURE



BROWN TEXTURE

PATTERNS

















WPC PRINTING DOOR

FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

DIGITAL PRINTING

Experience Infinite Designing Possibilities With Fixoboard!



CNC DESIGNS



WPC DOOR FRAME

FixoBoard®
ATLANTIC POLYMERS
AN ADVANCED MARINE PLY

AVAILABLE SIZES

CURVE MODEL

60X30
70x45
75x50
90x45
100x50
90x60
100x63
125x60

RIGHT ANGLE

75X50
100x50
100x63
125x63

DOUBLE REBATE

100X65
125x65



IVORY WPC | CHIKU WPC | P. WHITE | TEAKWOOD | GREY | D. BROWN

Matching colours available with doors

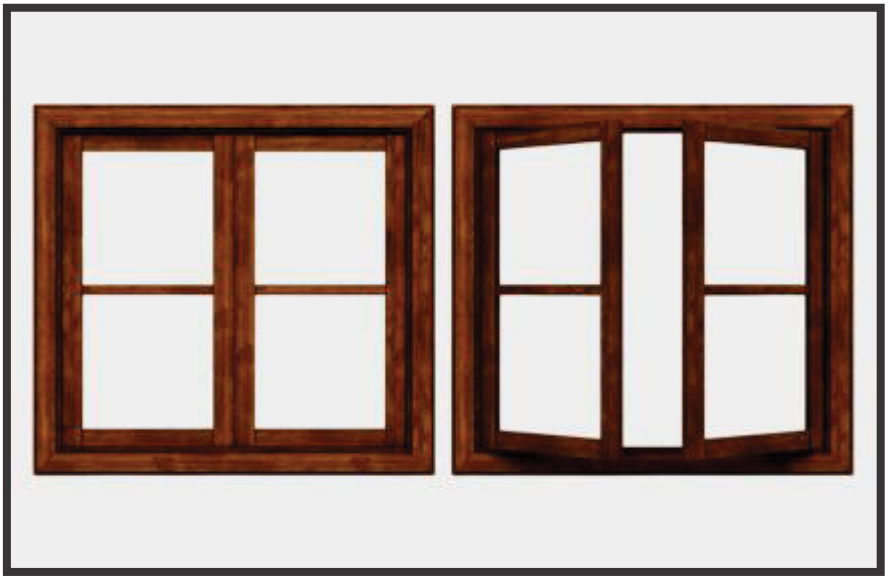


TEXTURE PRINTING



DIGITAL PRINTING

WPC WINDOW FRAME



Digital doors

FixoBoard®
ATLANTICPOLYMERS



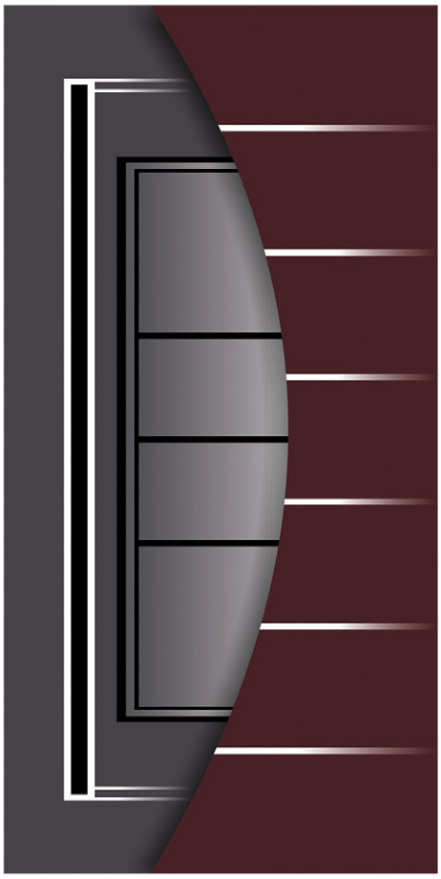
FB 001



FB 002



FB 003



FB 004



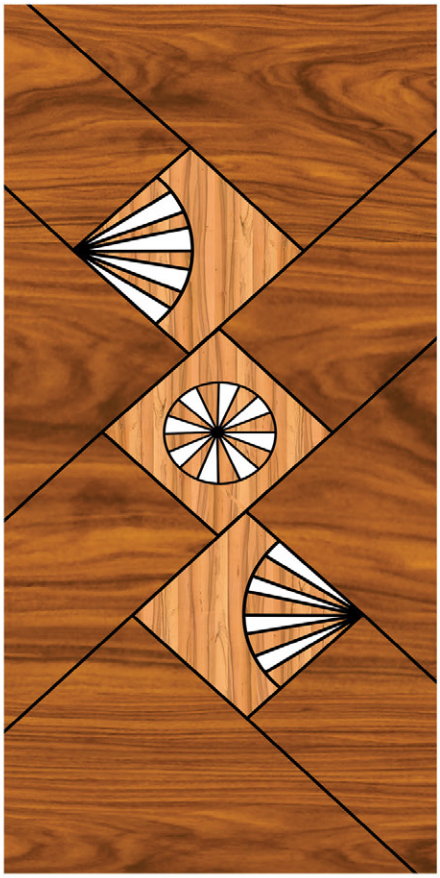
FB 005



FB 006

Digital doors

FixoBoard®
ATLANTICPOLYMERS



FB 007



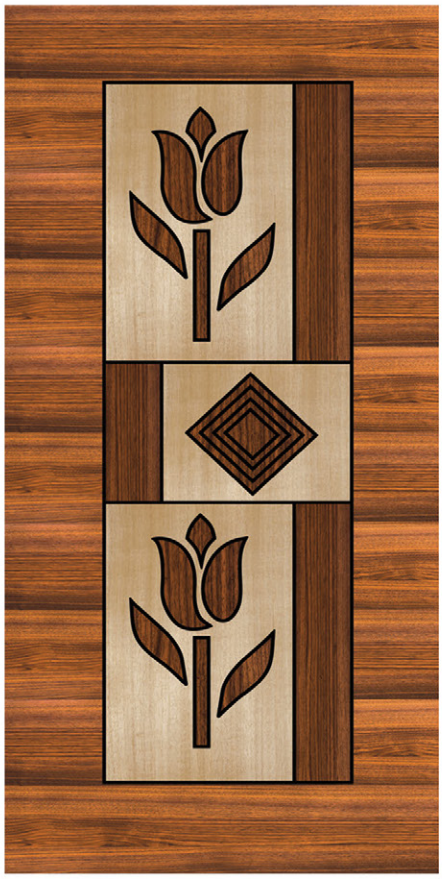
FB 008



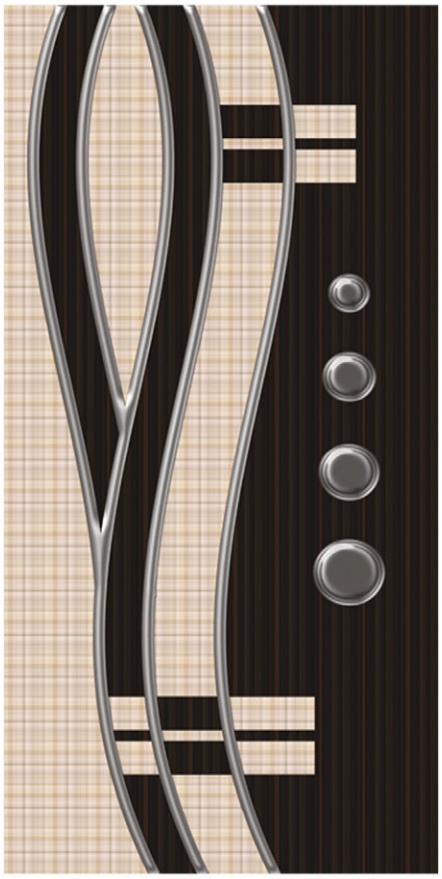
FB 009



FB 010



FB 011



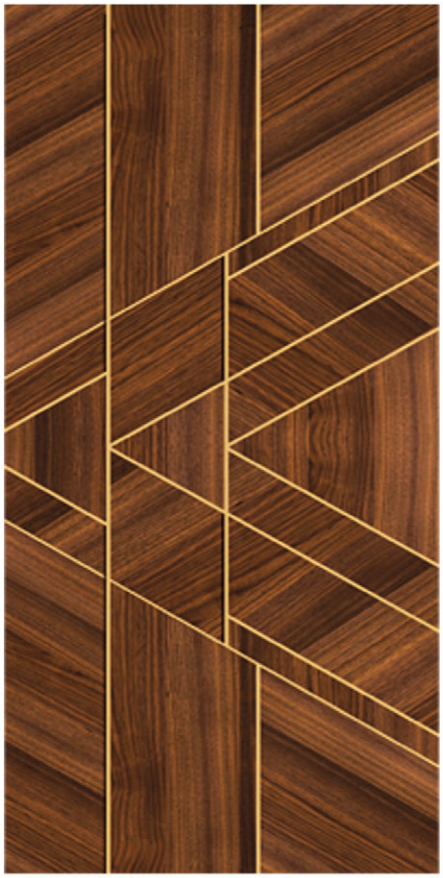
FB 012

Digital doors

FixoBoard®
ATLANTICPOLYMERS



FB 049



FB 050



- TERMITE PROOF
- 100% WATER PROOF
- FIRE RESISTANT
- CHEMICAL RESISTANT
- UV RESISTANT
- LEAD FREE NON-TOXIC
- NO SHRINKAGE & SWELLING
- ANTI FUNGAL - ANTI BACTERIAL
- CORROSION RESISTANT
- 100% RECYCLABLE

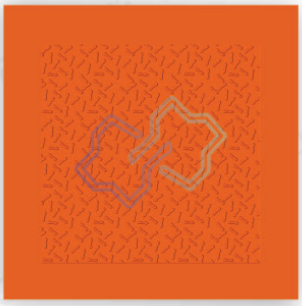


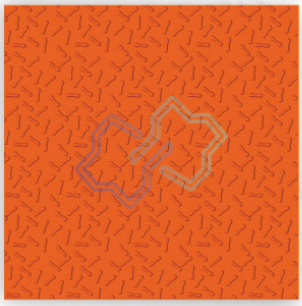
Beautiful doors for Beautiful home

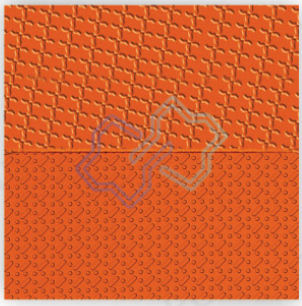
ATLANTIC POLYMERS PVT. LTD.®

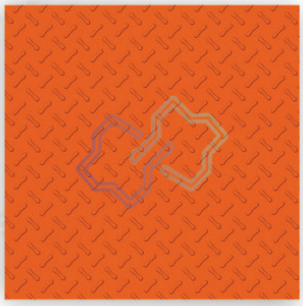
Shaping Imagination into Reality

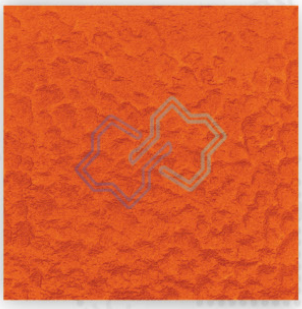
AVAILABLE TEXTURES IN PVC MOULDS FOR PAVER BLOCKS

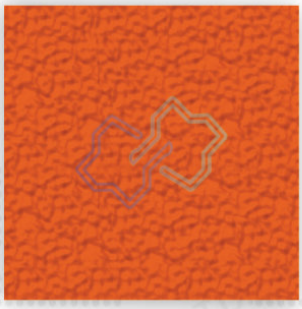

2T Ant

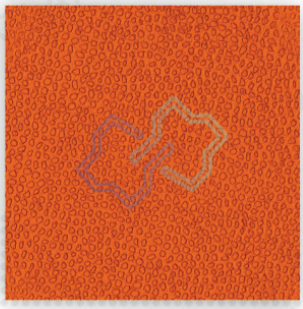

Ant

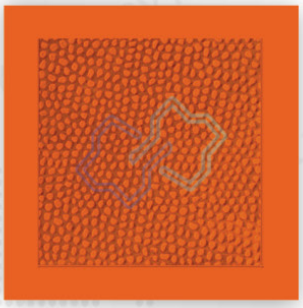

Ant Dot

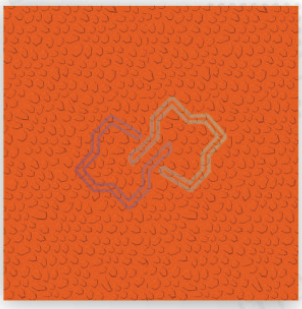

Ant Y


Big Boondi

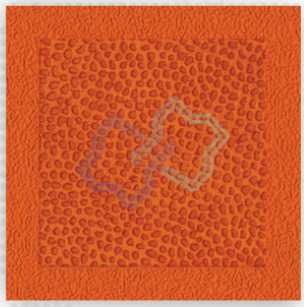

Big Rock

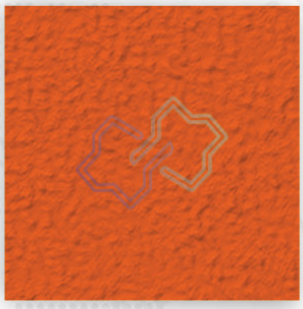

Boondi

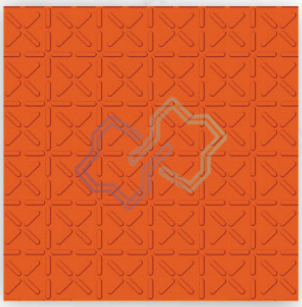

Boondi Deep 2T

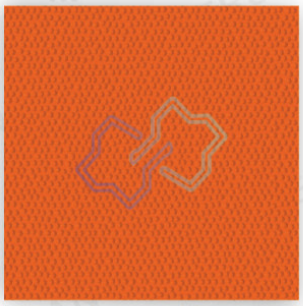

Boondi Medium

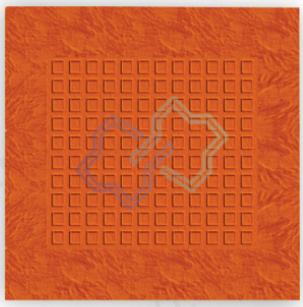

Boondi Rock

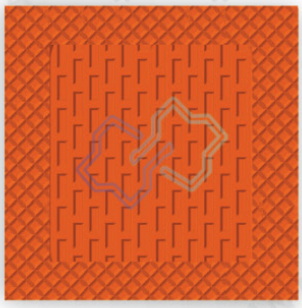

Boondi Sand 2T


Boondi Stone


Border X

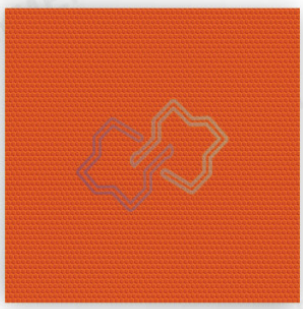

Buts


Cadbury Rock


Capsule Diamond

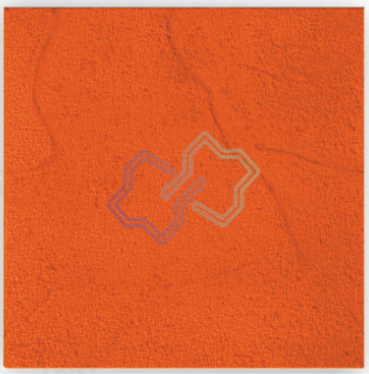

Chain


Charkat

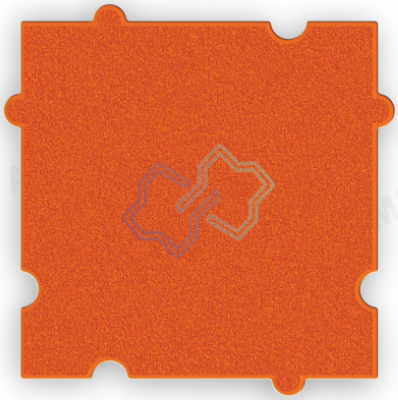

Cloth


Cobble

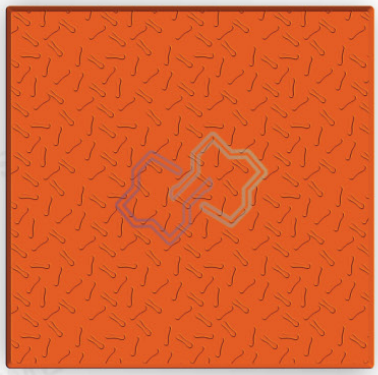
PVC MOULDS FOR PAVER BLOCKS



Flame Matt
AP 137 Cube 150



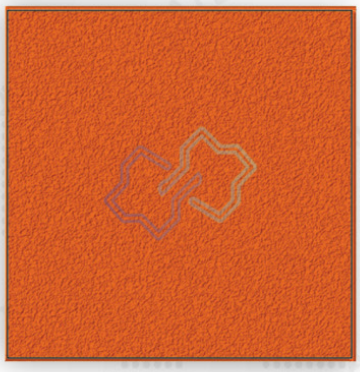
Interlocking Matt
AP 137 Cube 150



Ant Low
AP 137 Cube 150



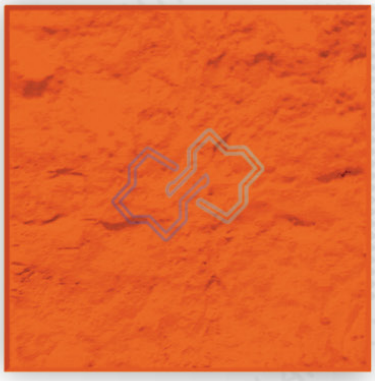
LT
AP 137 Cube 150



Matt
AP 137 Cube 150



Plain
AP 137 Cube 150



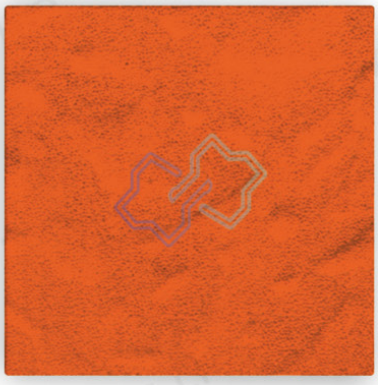
Rock
AP 137 Cube 150



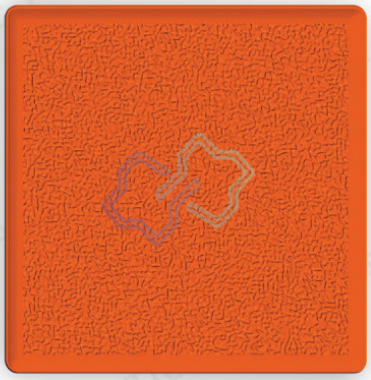
Boondi Round
AP 137 Cube 150



Sand
AP 137 Cube 150



Flame Sand
AP 137 Cube 150



Plain Round Sand
AP 137 Cube 150



Medium Boondi
AP 137 Cube 150

PVC MOULDS FOR PAVER BLOCKS

ATLANTIC® POLYMERS PVT. LTD.
Shaping Imagination into Reality

AP 184 Red Brick
Sizes : 100sqft = 274 pcs
Thickness : 60,75 mm

AP 185 Yellow Brick
Sizes : 100sqft = 267 pcs
Thickness : 40,100 mm

AP 186 Diamond Brick
Sizes : 100 sqft = 356 pcs
Thickness : 60 mm



Plain
AP 184 Red Brick



Plain
AP 185 Yellow Brick



Dot Square
AP 186 Diamond Brick



Flame
AP 186 Diamond Brick



Sand
AP 186 Diamond Brick

AP 187 Triangle - Sizes : 100 sqft = 824 pcs
Thickness : 60,80 mm

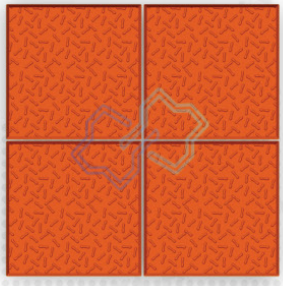
AP 188 Cube 600 - Sizes : 100 sqft = 400 pcs
Thickness : 40,60,80 mm



LT
AP 187 Triangle



Sand
AP 187 Triangle



Ant
AP 188 Cube 600



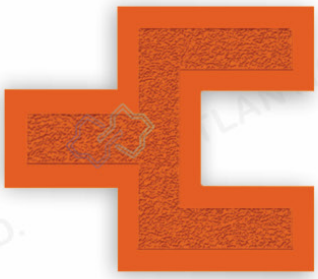
Rock
AP 188 Cube 600

AP 189 Orbit
Sizes : 100sqft = 254 pcs
Thickness : 60 mm

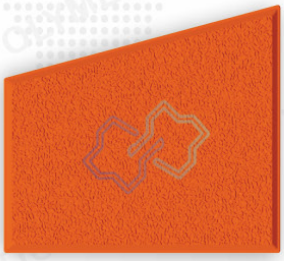
AP 190 Negative
Sizes : 100sqft = 254 pcs
Thickness : 60,80 mm

AP 191 German I
Sizes : 100sqft = 220 pcs
Thickness : 60,80 mm

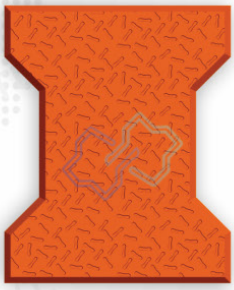
AP 192 Z Type
Sizes : 100sqft = 320 pcs
Thickness : 60,80 mm



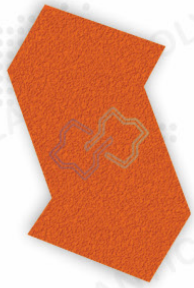
Border Sand
AP 189 Orbit



Sand
AP 190 Negative



Ant
AP 191 German I



Matt
AP 192 Z Type

AP 193 Tree Guard Set
Sizes : 100sqft = 400 pcs
Thickness : 60,80 mm

AP 194 Vertical Hexagon
Sizes : 100sqft = 264 pcs
Thickness : 60 mm

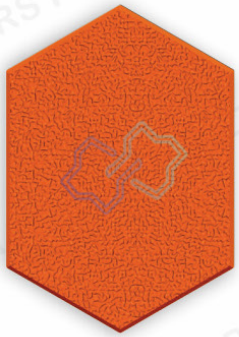
AP 195 Arrow
Sizes : 100sqft = 276 pcs
Thickness : 60,80 mm



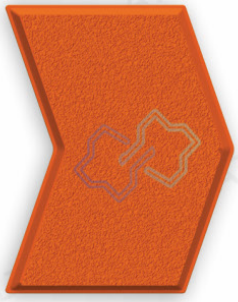
Flower Leaves
AP 193 Tree Guard Set



Jewel
AP 194 Vertical Hexagon



Sand
AP 194 Vertical Hexagon



Matt
AP 195 Arrow

PRODUCTS

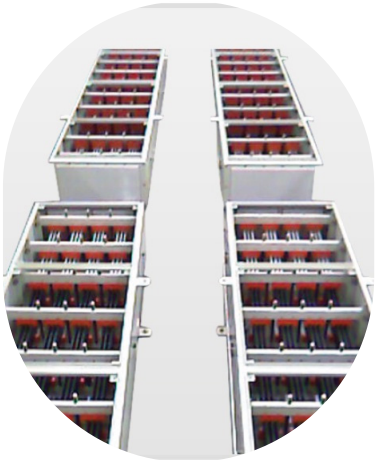
ABAK®
ELECTROFAB ENGINEERING PVT.LTD



Main LT Panel



Power Control Centre Panal



LT Bus Duct



Control Desk



Outdoor Type Panel

ABAK®

ELECTROFAB ENGINEERING PVT. LTD.



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Turbhe, Navi Mumbai,
Maharashtra – 400705,
India

Certified System Panel Builder
Life Is On Schneider Electric

We offer cost effective solutions to our clients along with value engineering and industry standard quality for all electrical distribution and control panels

WE MANUFACTURE ALL TYPES OF LT PANELS

IEC-61439 TTA Panel	Power Control Centre Panel	L.T. Bus Duct
Main LT Panel	Annunciator & Mimic Control Panel	Feeder Pillar
Fire Fighting MCC Panel	Motor Control Centre Panel	AMF Panel
Power & Lighting Board	Auto Transformer Starter Panel	APFCR Panel
AC & DC Drive Panels	Outdoor Type Panel	DG Synchronising Panel

PRODUCT RANGE

- Power Control Centre - Single / Double Front.
- L.T. Bus Ducts.
- AMF (Auto / Main / Failure) Panels for D.G. Sets.
- Power & Lighting Distribution Panels.
- Fire Fighting MCC Panels.
- Annunciator Panels / Mimic Panels.
- Motor Control Centre - Single / Double Front.
- Power Factor Correction Panel - Thyristor Based / Contactor Based.
- Auto Transformer Starter Panels.
- Control Desk & PLC Panels.
- AC & DC Drive Panels.
- L.T. Feeder Pillars - Indoor / Outdoor.



PCC Panel



Metering Panel



MCC Panels



Relay Control Panel



Chiller Panel



Main LT Panel



LT Panel



Starter Panel



Power Distribution Board

PRODUCT RANGE



Control Desk



AHU Panel



Lighting Distribution Board



Mimic Control Panel



MCC Panel



DC Drive Panel



PLC Panel



LT Bus Ducts



Stainless Steel Control Desk



Outdoor Type Panel



Feeder Pillar



Fire Fighting Panel

Certificate

EcoXpert™
LV Panel
Certified by
Schneider Electric

Schneider Electric India Pvt. Ltd. states that:

ABAK®
ELECTROFAB ENGINEERING PVT.LTD.

Abak Electrofab Engineering Pvt. Ltd.
C - 417, MIDC, TTC, Turbhe,
Navi Mumbai - 400705



is an EcoXpert LV Panel (Certified) Partner and is authorized to assemble, test and sell the PrismaSeT International system in accordance with the technical specifications of Schneider Electric.

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This certificate is valid until December 31st, 2024

Certificate Number:
PS-WH-201924-IN-AKT

Nikhil Pathak
Vice President
Offer Marketing & Business Development

Utkersh Sagreiya
Director
Channel Marketing & Partner Support Program

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Product Range

Product Range



Main LT Panel



PCC Panel



APFC Panel



Power and Lightning Distribution



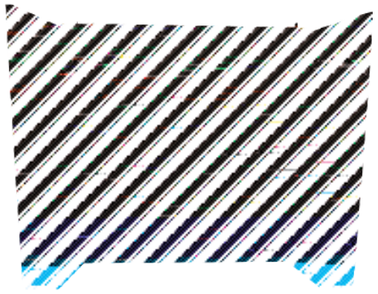
MCC Panel



DG Sync Panel



AMF Panel



Outdoor Type Panels



Fire FIghting MCC Panel



Prisma Panel



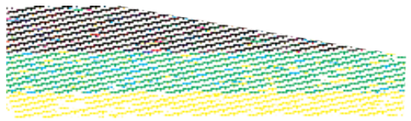
LT Bus Duct



Starter Panel



Main LT Panel



PCC Panel



APFC Panel

Power and Lightning Distribution



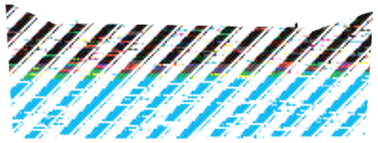
MCC Panel



DG Sync Panel



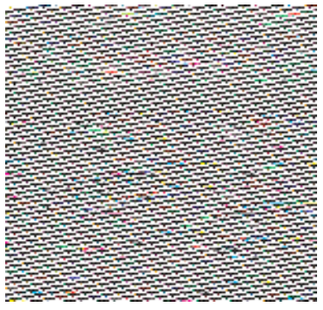
AMF Panel



Outdoor Type Panels



Fire FIghting MCC Panel



Prisma Panel



LT Bus Duct

Starter Panel

9 Tank Process



Powder Coating Booth



9- Tank



Electric Oven

9 Stages of Tank Process

1. Degreasing
2. Water Rinse
3. Derusting
4. Water Rinse
5. Activation
6. Phosphating
7. Water Rinse
8. Water Rinse
9. Passivation

MACHINERY & EQUIPMENT DETAILS



CNC Turret Punch Press (AMADA)



Shearing Machine (Godrej)



Hydraulic Press Brake (AMADA)

FABRICATION

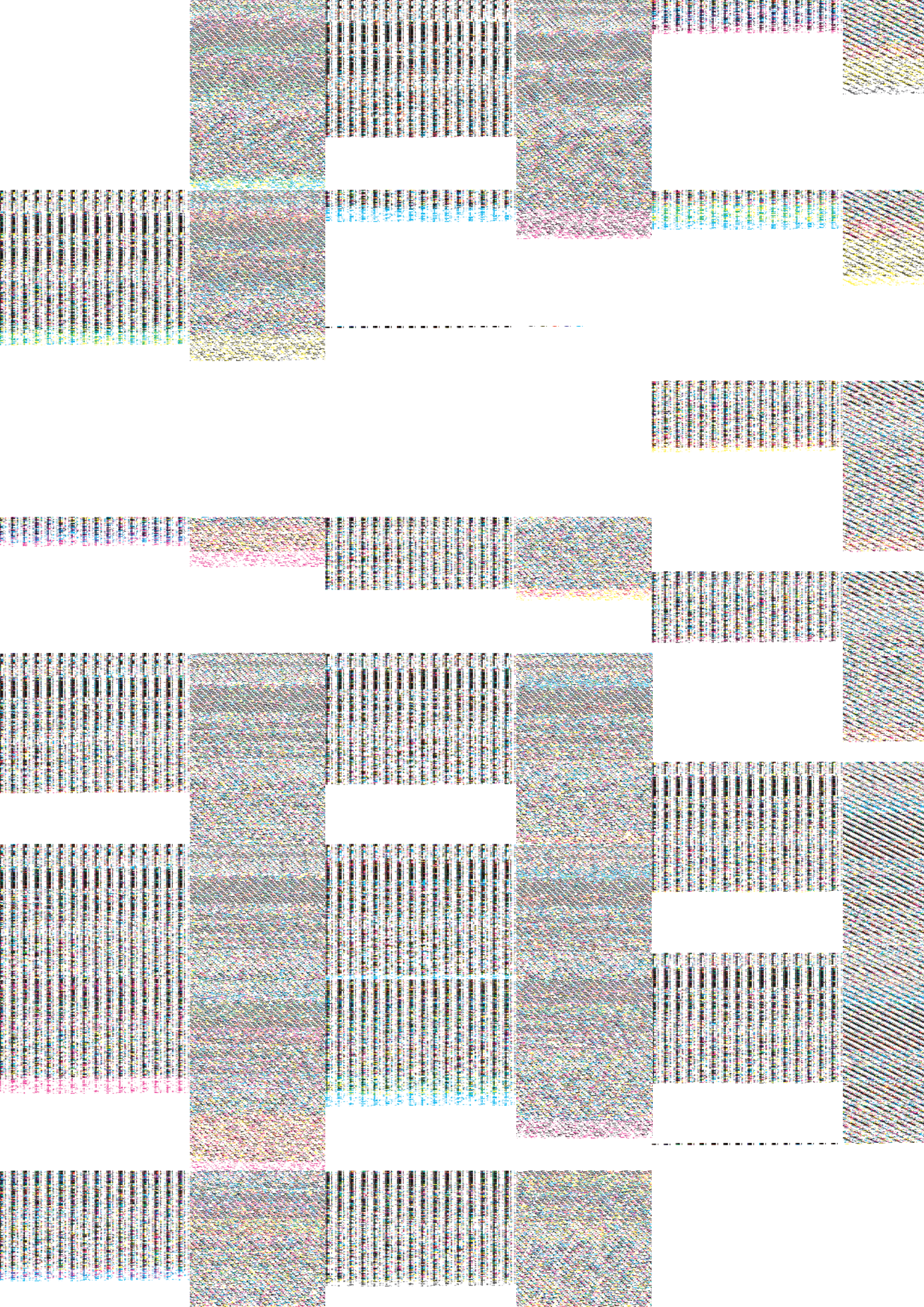
SR NO	NAME OF MACHINERY	MAKE	QTY
1	CNC Turret punch press	AMADA	1
2	Hydraulic press brake with auto back gauge	AMADA	1
3	Busbar cutting, Bending, Punching machine	AMADA	1
4	Welding machine	ASIATIC WELDERS	4
5	Busbar cutting machine	JASVANTH	1
6	Angle grinding machine	BLACK & DECKER	2
7	Table drilling machine	PRABHAT	1
8	Spot welding machine	ASIATIC WELDER	1
9	Angle grinding machine	RALLIWOLF	2
10	Busbar bending machine	DEEPAK	1
11	Hand drilling machine	BLACK & DECKER	3
12	Blower	HITACHI	1
13	Bench grinding machine	ELEC. MFG. CO	1
14	Tapping machine		1

POWDER COATING

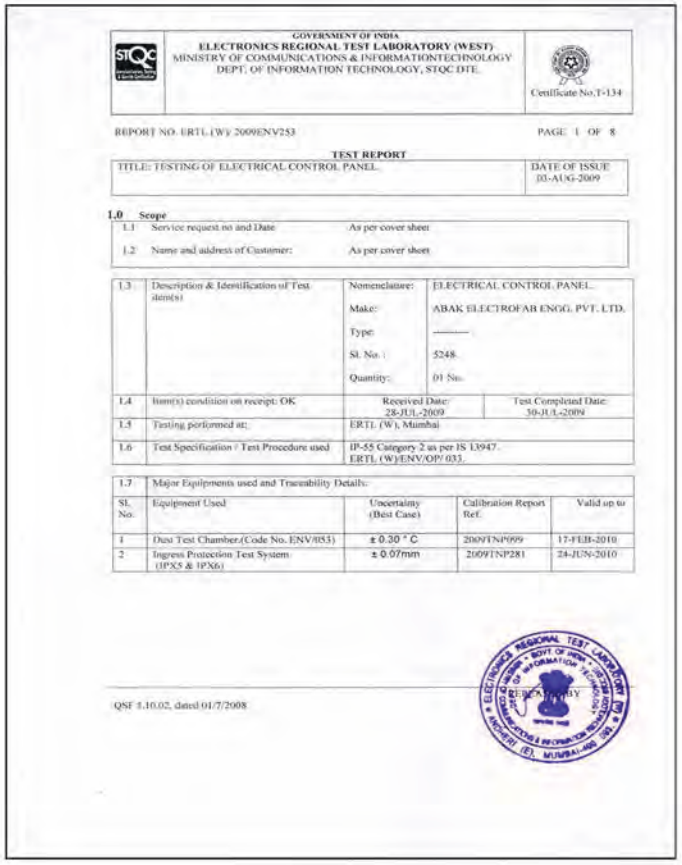
1	Oven (60 KW Electric heater)	AUTOCOAT	1
2	Powder coating machine	THERMAX	1
3	Painting booth	AUTOCOAT	1
4	Air compressor - 3 Phase	FOWJI	1

TESTING INSTRUMENTS

SR NO	NAME	DESCRIPTION	MAKE
1	Megger (Insulation Tester) - Analog	0-500 M Ω / 1000 V DC	MOTWANE
2	Megger (Insulation Tester) - Digital	0-2000 M Ω / 1000 V DC	MOTWANE
3	HV Tester - Analog	0 TO 5 KV / 0-30 MA AC	AE
4	HEAT RUN Testing Equipment	0 TO 4000 A, 415 V	NEC
5	Digital Multimeter	10 A, 200 MA,440 V	KUSAM-MECO
6	Vernier Caliper	0-400 mm	YAMAYO,JAPAN
7	Vernier Caliper	0-200 mm	YAMAYO,JAPAN
8	Digital Thickness Gauge	0-12.5 m	MITUTOYA, JAPAN
9	Measuring Tape	5 METER	TAPARIA
10	Pen Type Thickness Gauge (Powder Coating)	0 TO 500 MICRON	YUYUTSU,JAPAN
11	Wire Gauge	1 GAUGE TO 32 GAUGE	PUJIKOJU
12	Digital Multimeter	0-750 VAC	IDEAL
13	Digital AC/DC Clampmeter	10A-200MA	IDEAL



IP-55 TEST REPORT



GOVERNMENT OF INDIA
ELECTRONICS REGIONAL TEST LABORATORY (WEST)
MINISTRY OF COMMUNICATIONS & INFORMATIONTECHNOLOGY
DEPT. OF INFORMATION TECHNOLOGY, STQC DTE.

Certificate No.T-134

REPORT NO. ERTL (W) 2009ENV253 PAGE 1 OF 8

TEST REPORT

TITLE: TESTING OF ELECTRICAL CONTROL PANEL	DATE OF ISSUE 03-AUG-2009

1.0 Scope

1.1	Service request no and Date	As per cover sheet
1.2	Name and address of Customer:	As per cover sheet

1.3	Description & Identification of Test item(s)	Nomenclature:	ELECTRICAL CONTROL PANEL
		Make:	ABAK ELECTROFAB ENGG. PVT. LTD.
		Type:	———
		Sl. No.:	5248
		Quantity:	01 No.
1.4	Item(s) condition on receipt: OK	Received Date: 28-JUL-2009	Test Completed Date: 30-JUL-2009
1.5	Testing performed at:	ERTL (W), Mumbai	
1.6	Test Specification / Test Procedure used	IP-55 Category 2 as per IS 13947. ERTL (W)/ENV/OP/ 033.	

1.7	Major Equipments used and Traceability Details:			
Sl. No.	Equipment Used	Uncertainty (Best Case)	Calibration Report Ref.	Valid up to
1	Dust Test Chamber.(Code No. ENV/053)	± 0.30 ° C	2009TNP099	17-FEB-2010
2	Ingress Protection Test System (IPX5 & IPX6)	± 0.07mm	2009TNP281	24-JUN-2010

QSF 5.10.02, dated 01/7/2008

IP 65 TEST REPORT



ELECTRONICS REGIONAL TEST LABORATORY (WEST)
DEPARTMENT OF INFORMATION TECHNOLOGY (STQC Dte.)

REPORT NO. ERTL (W)/2005ENV338

SUBJECT: TESTING OF STARTER PANEL DATE 7 OCT 2005 PAGE 1 OF 1

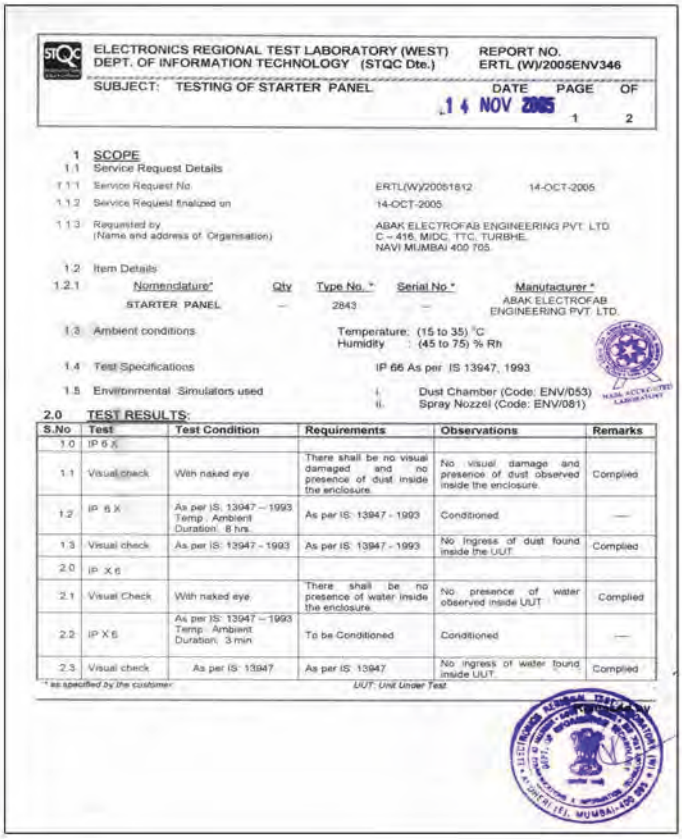
1.0	SCOPE				
1.1	Service Request Details				
1.1.1	Service Request No.	ERTL (W)/20051706	29 SEP 2005		
1.1.2	Service Request finalized on	29 SEP 2005			
1.1.3	Requested by (Name and address of Organization)	ABAK ELECTROFAB ENGINEERING PVT. LTD. C-416, MIDC, TTC, TURBHE, NAVI MUMBAI 400 705			
1.2	Item Details (as specified by the Customer)				
1.2.1	Nomenclature	Qty.	Type No.	Serial No.	Manufacturer
	STARTER PANEL	01	—	2843	ABAK ELECTRO FAB
1.3	Ambient conditions	Temperature: (25 to 35) °C			
		Humidity : (45 to 75) % RH			
1.4	Test Specifications	IP 65 tests as per IS: 13947 1993			
1.5	Environmental Simulators used	1. Dust Chamber (Code: ENV/053) 2. Spray Nozzle (Code: ENV/080)			

2.0	TEST RESULTS:	
2.1	IP 6X	8-hour conditioning at Ambient temperature as per IS: 13947
2.2	IP X5	3-minute conditioning as per IS: 13947
2.3	Observations	a. No deposit of dust was observed inside the enclosure after IP 6X test. b. No ingress of water was observed inside the enclosure after IP X 5 test.
3.0	GENERAL REMARKS:	a. NABL Certificate No. T-0134 b. This report is for environmental conditioning only. No Electrical/Functional check have been carried out before, during or after conditioning by us.

REPORT APPROVED BY
[P. K. Dutta]
Head, Test Operations

REPORT RELEASED BY
[D. C. Vasudeva]
OIC, Customer Service Cell

IP-66 TEST REPORT



ELECTRONICS REGIONAL TEST LABORATORY (WEST)
DEPT. OF INFORMATION TECHNOLOGY (STQC Dte.)

REPORT NO. ERTL (W)/2005ENV346

SUBJECT: TESTING OF STARTER PANEL DATE 14 NOV 2005 PAGE 1 OF 2

1 SCOPE

1.1 Service Request Details

1.1.1	Service Request No.	ERTL(W)/20051612	14-OCT-2005	
1.1.2	Service Request finalized on	14-OCT-2005		
1.1.3	Requested by (Name and address of Organisation)	ABAK ELECTROFAB ENGINEERING PVT. LTD. C – 416, MIDC, TTC, TURBHE, NAVI MUMBAI 400 705.		
1.2	Item Details			
1.2.1	Nomenclature*	Qty	Type No. *	Serial No.*
	STARTER PANEL	—	2843	—

Manufacturer *: ABAK ELECTROFAB ENGINEERING PVT. LTD.

1.3	Ambient conditions	Temperature: (15 to 35) °C Humidity : (45 to 75) % Rh
1.4	Test Specifications	IP 66 As per IS 13947, 1993
1.5	Environmental Simulators used	i. Dust Chamber (Code: ENV/053) ii. Spray Nozzel (Code: ENV/081)

2.0 TEST RESULTS:

S.No	Test	Test Condition	Requirements	Observations	Remarks
1.0	IP 6 X				
1.1	Visual check	With naked eye	There shall be no visual damaged and no presence of dust inside the enclosure.	No visual damage and presence of dust observed inside the enclosure.	Complied
1.2	IP 6 X	As per IS: 13947 – 1993 Temp : Ambient Duration: 8 hrs.	As per IS: 13947 - 1993	Conditioned	—
1.3	Visual check	As per IS: 13947 - 1993	As per IS: 13947 - 1993	No Ingress of dust found inside the UUT	Complied
2.0	IP X 5				
2.1	Visual Check	With naked eye	There shall be no presence of water inside the enclosure.	No presence of water observed inside UUT	Complied
2.2	IP X 5	As per IS: 13947 – 1993 Temp : Ambient Duration: 3 min	To be Conditioned	Conditioned	—
2.3	Visual check	As per IS: 13947	As per IS: 13947	No Ingress of water found inside UUT	Complied

* as specified by the customer UUT: Unit Under Test

SHORT CIRCUIT TEST REPORT



CENTRAL POWER RESEARCH INSTITUTE
(MEMBER OF STL)

TEST REPORT

CPRI

Test Report Number	S2140147
Date :	5 MAR 2014
Name & address of the Customer	M/s Abak Electro Fab Engineering Pvt.Ltd., C-416, MIDC, TTC, Turbhe, Navi Mumbai-400 705
Name & address of the Manufacturer	M/s Abak Electro Fab Engineering Pvt.Ltd., C-416, MIDC, TTC, Turbhe, Navi Mumbai-400 705
Particulars of sample tested	PCC LT Panel
Condition of sample on Receipt	New
Type	Indoor
Designation	PCC LT Panel
Serial number	AEEPL/SCT/14-15/01
Number of samples tested	One
Date(s) of Test(s)	19th February 2014
CPRI sample code no.	STDSST2145S0213
Particulars of tests conducted	Verification of the short circuit withstand strength
Test in accordance with	As per clause 8.2.3 of IS: 8623 (Part I)-1993
Sampling plan	Not applicable
Customer's requirement	Nil
Deviations if any	Nil
Name of the Witnessing persons	
Customer's representative	Shri U.K.Rao
Other than Customer's representatives	Nil
Test subcontracted with address of the laboratory	None

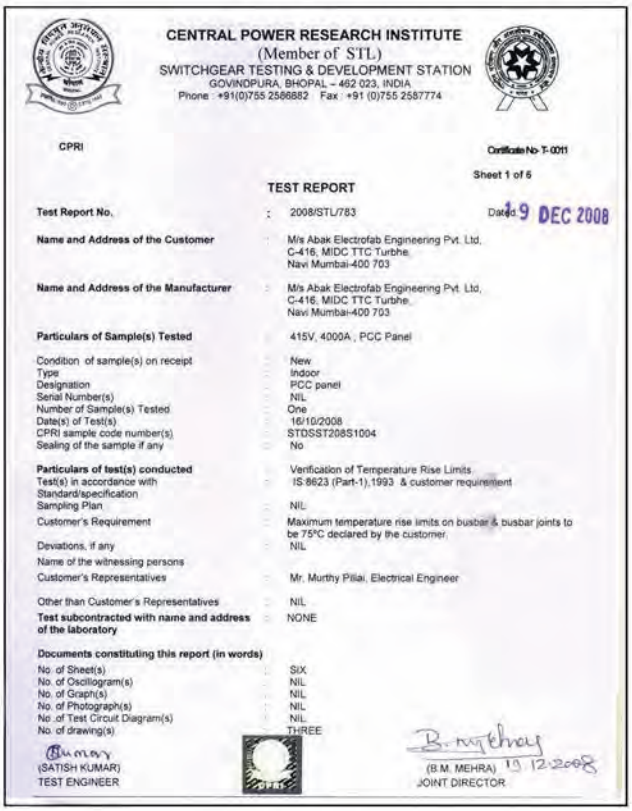
Documents constituting this report (in words)

Number of sheets	Five
Number of oscillograms	Two
Number of graphs	Nil
Number of photos	One
Number of Test circuit diagrams	Two
Number of drawings	Two

(HIMANGSHU ROY)
TEST ENGINEER

(ANUPAM AWASTHI)
JOINT DIRECTOR

TEMPERATURE RISE TEST REPORT



CENTRAL POWER RESEARCH INSTITUTE
(Member of STL)
SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVINDPURA, BHOPAL – 462 023, INDIA
Phone : +91(0)755 2586882 Fax : +91 (0)755 2587774

CPRI

Certificate No- T-0011

Sheet 1 of 6

TEST REPORT

Test Report No. : 2008/STL/783 Dated 9 DEC 2008

Name and Address of the Customer	:	M/s Abak Electrofab Engineering Pvt. Ltd. C-416, MIDC TTC Turbhe Navi Mumbai-400 703
Name and Address of the Manufacturer	:	M/s Abak Electrofab Engineering Pvt. Ltd. C-416, MIDC TTC Turbhe Navi Mumbai-400 703
Particulars of Sample(s) Tested	:	415V, 4000A , PCC Panel
Condition of sample(s) on receipt	:	New
Type	:	Indoor
Designation	:	PCC panel
Serial Number(s)	:	NIL
Number of Sample(s) Tested	:	One
Date(s) of Test(s)	:	16/10/2008
CPRI sample code number(s)	:	STDSST208S1004
Sealing of the sample if any	:	No
Particulars of test(s) conducted	:	Verification of Temperature Rise Limits
Test(s) in accordance with Standard/specification	:	IS:8623 (Part-1),1993 & customer requirement
Sampling Plan	:	NIL
Customer's Requirement	:	Maximum temperature rise limits on busbar & busbar joints to be 75°C declared by the customer.
Deviations, if any	:	NIL
Name of the witnessing persons		
Customer's Representatives	:	Mr. Murthy Pillai, Electrical Engineer
Other than Customer's Representatives	:	NIL
Test subcontracted with name and address of the laboratory	:	NONE

Documents constituting this report (in words)

No. of Sheet(s)	:	SIX
No. of Oscillogram(s)	:	NIL
No. of Graph(s)	:	NIL
No. of Photograph(s)	:	NIL
No .of Test Circuit Diagram(s)	:	NIL
No. of drawing(s)	:	THREE

(SATISH KUMAR)
TEST ENGINEER

(B.M. MEHRA) 10.12.2008
JOINT DIRECTOR

TEMPERATURE RISE TEST REPORT



ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories (Govt. of India))
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EPABX : +91 (0265) 2642940, 2642904, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2636362
E-mail : erda@erda.org
Web : http://www.erda.org

TEST REPORT

Sheet 1 of 3

NAME & ADDRESS OF THE CUSTOMER ABAK ELECTROFAB ENGINEERING PVT. LTD. C-416, TTC , MIDC, TURBHE, NAVI MUMBAI - 400705	TEST REPORT NO.: RP-1516-009076 DATE : 06/06/2015 CUSTOMER REF. NO.: Nil DATED: 14/05/2015 DATE OF SAMPLE RECEIPT: 14/05/2015 DATE OF TESTING: 14/05/2015 to 26/05/2015
SAMPLE DESCRIPTION 2 WAY DISTRIBUTION PANEL FOR 100KVA TRANSFORMER WITH 125A MCCB Rated voltage : 440V Rated current (Incoming) : 150A No. of phases : TPN Rated frequency : 50Hz Quantity (Tested) : 1 no. Further details as per Sheet 2 of 3	SAMPLE IDENTIFICATION ERDA sample code no.: ERDA-00091105 Sr. No. : 8597 Manufacturer's name: M/s. ABAK ELECTROFAB ENGG. PVT LTD. Drawing No.: i) LPEPL-6188 (REV 05) (SH.NO. 1 OF 2) ii) LPEPL-6188 (REV 05) (SH.NO. 2 OF 2) iii) LPEPL-6188 (REV 05) (SH.NO. 2 OF 2) (Total 03 Nos.)
TEST DETAILS 1) Verification of temperature-rise limits	TEST SPECIFICATION As per customer's requirement & test procedure followed as per IS : 8623 (Part 1):1993/ IEC Pub : 439-1 (1985)

ENCLOSURE: 1) Photograph No.:1516-002626/A to C (Total 03 nos.)
2) Oscillogram no. : Nil
3) Drawing No. : i) LPEPL-6188 (REV.05) (SH.NO. 1 OF 2) ii) LPEPL-6188 (REV.05) (SH.NO. 1 OF 1) iii) LPEPL-6188 (REV.05) (SH.NO. 2 OF 2) (Total 03 Nos.)

NOTE : As per customer's requirement, only horizontal & vertical busbars were tested during verification of temperature-rise test.

TEST WITNESSED BY : Mr. Nikhil mote (Sr. Executive) of M/s. ABAK ELECTROFAB ENGG. PVT LTD.

REMARKS : Sample **conforms** to the requirement of the customer for the test carried out.

Prepared By | Checked By | Approved By G.som

Note: 1. This report relates to the particular sample received for testing in good condition at ERDA.
2. This report cannot be reproduced in part under any circumstances.
3. Publication of this report requires prior permission in writing from Director, ERDA.
4. Only the test asked for by the customer has been carried out.
5. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arisen.
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TE 1719669

SHORT CIRCUIT TEST REPORT



ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
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E-mail : erda@erda.org
Web : http://www.erda.org

TEST REPORT

SHEET 1 OF 5

NAME & ADDRESS OF CUSTOMER ABAK ELECTROFAB ENGINEERING PVT. LTD. C-416, MIDC, TTC, Turbhe, Navi Mumbai-400 705.	REPORT NO.: RP-1516-001400 DATE: 10.04.2015 CUSTOMER REF. NO: NIL DATED: 07.04.2015 DATE OF SAMPLE RECEIPT: 08.04.2015 DATE OF TESTING: 09.04.2015 to 10.04.2015
SAMPLE DESCRIPTION 2WAY DISTRIBUTION PANEL FOR 100 kVA TRANSFORMER WITH 125A MCCB Rated current: 150A, Rated operational voltage (Ue): 415V, No. of Phases: 3 Phase + Neutral + Earth, Rated frequency: 50 Hz., No. of ways: Incoming – One, Outgoing – Two, Rated insulation voltage (Ui): 500V, **Rated short time withstand current & its duration** - 25 kArms for 1 Sec. with an initial peak of 52.5 kA between phases. - 15 kArms for 1 Sec. with an initial peak of 30 kA between adjacent phase and neutral. Further details as per SHEET 3 of 5.	SAMPLE IDENTIFICATION ERDA SAMPLE CODE NO.: ERDA-00086519 SR. NO.: 8597 DRAWING NO.: LPEPL-6188 REV. 05 SH. NO. 1 OF 2 LPEPL-6188 REV. 05 SH. NO. 2 OF 2
TEST DETAILS Verification of the short-circuit withstand strength (Cl. No. 8.2.3)	TEST SPECIFICATIONS As per customers' requirements & Test procedure followed as per IS: 8623 (Part 1)-1993/ IEC Pub. 439-1 (1985)

ENCLOSURES:
Number of oscillograms : Three
Number of photograph : One
Number of test circuit diagram : Two
Number of drawings : Two

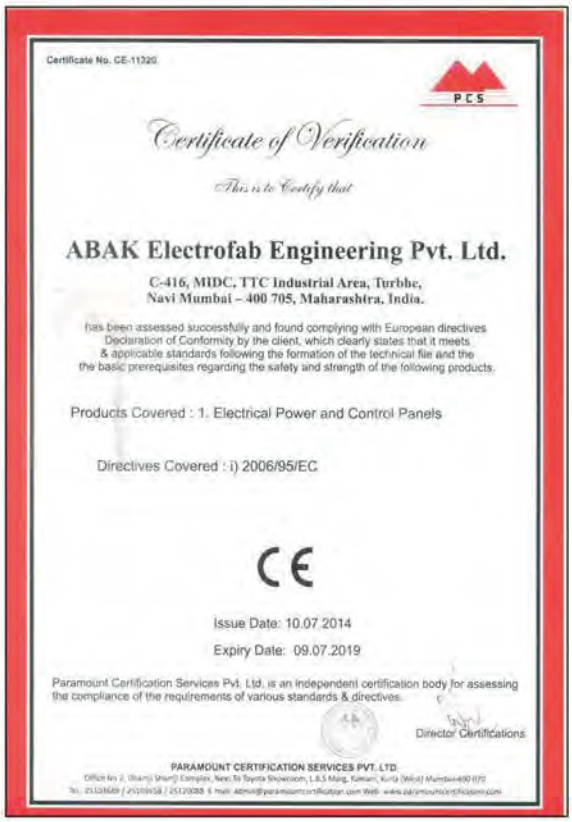
TEST WITNESSED BY: Mr. M. N. Kapadiya

REMARKS: The sample **conforms** to the requirement of verification of the short-circuit withstand strength as specified by the customer.

PREPARED BY | CHECKED BY | APPROVED BY J. R. Tahilwani

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TE 1627705



Certificate No. CE-11320

PCS

Certificate of Verification

This is to Certify that

ABAK Electrofab Engineering Pvt. Ltd.

C-416, MIDC, TTC Industrial Area, Turbhe, Navi Mumbai – 400 705, Maharashtra, India.

has been assessed successfully and found complying with European directives Declaration of Conformity by the client, which clearly states that it meets & applicable standards following the formation of the technical file and the the basic prerequisites regarding the safety and strength of the following products.

Products Covered : 1. Electrical Power and Control Panels

Directives Covered : i) 2006/95/EC

CE

Issue Date: 10.07.2014

Expiry Date: 09.07.2019

Paramount Certification Services Pvt. Ltd. is an independent certification body for assessing the compliance of the requirements of various standards & directives.

Director Certifications

PARAMOUNT CERTIFICATION SERVICES PVT. LTD.

CLIENTS

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IIT Bombay


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CORP


KALPA-TARU

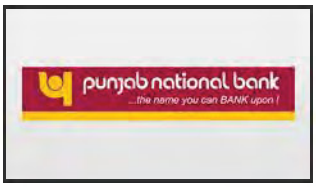

LOGICON
ENGINEERS PRIVATE LIMITED


MGM
NEW BOMBAY HOSPITAL


MTNL


Navi Mumbai
Muncipal
Corporation


NPCIL


punjab national bank


BAJAJ
Bajaj Electricals Ltd.
Inspiring Trust


City
The city has it all


RUNWAL


भारतीय स्टेट बैंक
State Bank of India


ENRON


CWCNSL


azbil


AUTONIC
ENERGY SYSTEMS PVT. LTD.


KESAR
GROUP


ADLABS
IMAGICA

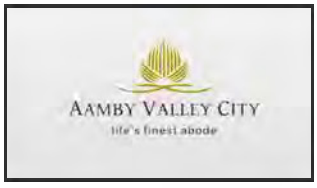

md


STERLING AND WILSON


DIRECT REDUCTION IRON Co.


KSEB


LODHA
BUILDING A BETTER LIFE


AAMBY VALLEY CITY
life's finest abode

PRODUCTS

SAFEPRO



All Types of Fire Extinguisher



Fire Hydrant System



Fire Suppression System



Industrial Safety Products



Road Safety Products

safe pro®
Faster than fire

SAFE PRO®

FIRE SERVICES PVT. LTD.



- Fire Extinguishers
- Hydrant Products
- Safety Products

making India
Self Reliant

CERTIFICATES

- **ISI (INDIAN STANDARDS INSTITUTION MARK) -**

  ISI stands for Indian Standards Institute; it is the certificate scheme under Bureau of Indian Standards which ensures that a product withstands the BIS standards and safety. ISI Mark Certification allows you to use the ISI Mark on your product.

- **EN ISO 9001:2015**

  It is the international standard that defines the requirements for a Quality Management System (QMS).

- **EUROPEAN PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU**

  CE stands for CONFORMITE EUROPEENNE. The CE marking shows that the manufactures has checked, these products meet EU safety, health or environmental requirements.

- **UL (UNDERWRITERS LABORATORIES) -**

  They certify products with the aim to make the world a safer place for both workers and consumers. Besides testing, they set industry standards to follow when innovating new products. The UL certificate is universally accepted for quality.

- **MAHARASHTRA FIRE SERVICE**

  This licence is issued by the government of Maharashtra India to those contractor who have a consistent track record for delivering quality products & services.

- **DGQA**

  Directorate General of Quality Assurance (DGQA) is an Inter-Service Organisation functioning under the Department of Defence Production in the Ministry of Defence.

  The application of these approved products are for quality certification in the three (Army, Navy, Air force) armed forces of India.

- **IRS**

  Indian Register of shipping (IRS) is a government appointed body who are entreated for issuing certification for type approval . which ensure quality products at all times. The application of these approved products are for marine use.

ABC POWDER TYPE

POWDER FIRE EXTINGUISHER

Dry chemical powders are important fire fighting agents. The main advantage is practically immediate success of extinguishing a fire. Furthermore one can use dry powders for extinguishing large scale fires, spillage fires and three dimensional fires.

- ISI Marked
- 1 year warranty
- Safe for use on live electrical equipment
- Squeeze grip operation
- Fully refillable
- Controlled discharge
- Supplied with wall bracket
- Full range of spare parts are available



MODEL	SPF- 1 KG ABC P	SPF- 2 KG ABC P	SPF- 4 KG ABC P	SPF- 6 KG ABC P	SPF- 9 KG ABC P
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	1	2	4	6	9
FIRE RATING	1A 21B	1A 34B	3A 89B	4A 144B	6A 233B
EXTINGUISHING MEDIUM	MAP 90%	MAP 90%	MAP 90%	MAP 90%	MAP 90%
TEMPERATURE RANGE	-30°c to + 60° c	-30°c to + 60° c	-30°c to + 60° c	-30°c to + 60° c	-30°c to + 60° c
AVERAGE DISCHARGE TIME (Sec.)	8-10 Sec.	10-14 Sec.	15-20 Sec.	16-22 Sec.	20-25 Sec.
AVERAGE DISCHARGE RANGE (Meters)	02 Mtrs.	02 Mtrs.	04 Mtrs.	05 Mtrs.	05 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN	NITROGEN	NITROGEN	NITROGEN
CO_2 CARTRIDGE CAPACITY (grams)	—	—	—	—	—

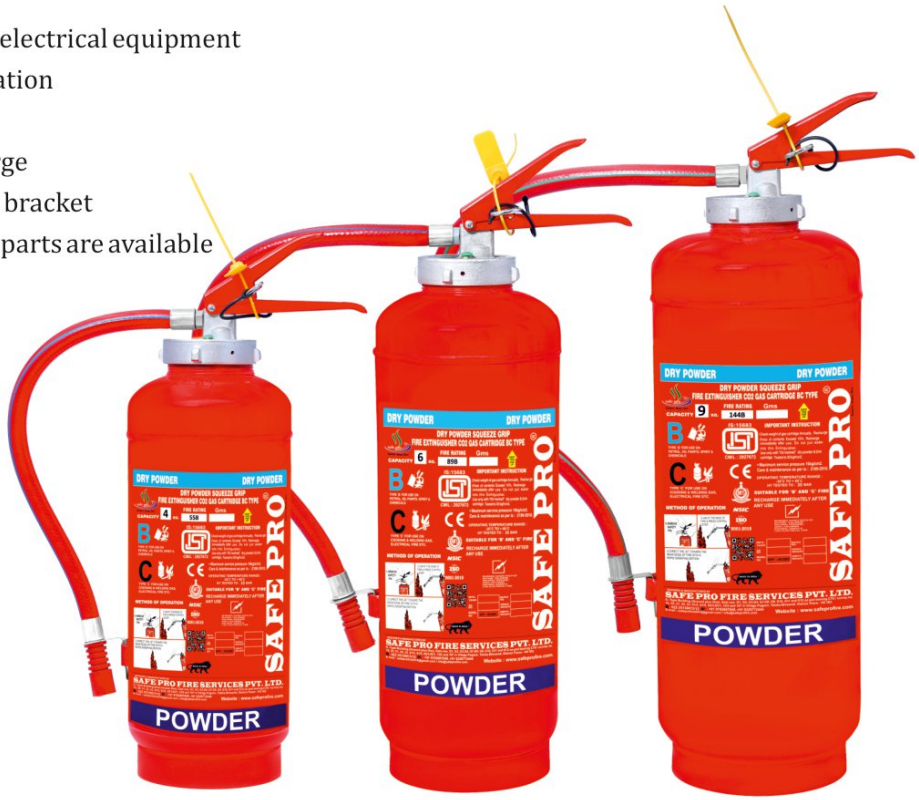
IS:15683:2018
CM/L : 2927672
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BC POWDER TYPE

POWDER FIRE EXTINGUISHER

BC Powder fire extinguishers are ideal for use on Class, B and C Fire Risks. The SAFE PRO powder fire extinguishers are available in 4kg, 6kg and 9kg standard versions. This model is designed to extinguish 'B' and 'C' type fires involving material like Petro Chemical products, Paints, Resins, Pigment, Varnish, Gases in compressed form like Oxygen, Acetylene, LPG, & CNG.

- ISI Marked
- 1 year warranty
- Safe for use on live electrical equipment
- Squeeze grip operation
- Fully refillable
- Controlled discharge
- Supplied with wall bracket
- Full range of spare parts are available



	SPF- 6 KG BC	SPF- 9 KG BC	SPF- 4 KG BC CT	SPF- 6 KG BC CT	SPF- 9 KG BC CT
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	6	9	4	6	9
FIRE RATING	89B	233B	55B	89B	144B
EXTINGUISHING MEDIUM	As Per IS 4308	As Per IS 4308	As Per IS 4308	As Per IS 4308	As Per IS 4308
TEMPERATURE RANGE	-30°c to + 60°c	-30°c to + 60°c	-30°c to + 60°c	-30°c to + 60°c	-30°c to + 60°c
AVERAGE DISCHARGE TIME (Sec.)	15-20 Sec.	20-25 Sec.	12-18 Sec.	15-20 Sec.	20-25 Sec.
AVERAGE DISCHARGE RANGE (Meters)	04 Mtrs.	05 Mtrs.	04 Mtrs.	4.5 Mtrs.	05 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN	CO_2	CO_2	CO_2
Co2 CARTRIDGE CAPACITY (grams)	—	—	120	120	200

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CM/L : 2927672

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www.safeprofire.com

CARBON DIOXIDE
FIRE EXTINGUISHER

SAFE PRO FIRE SERVICES PVT. LTD.
Since 2000
Faster than fire

Carbon Dioxide fire extinguishers are ideal for use on Class B & Class C Fire Risks. The SAFE PRO carbon dioxide fire extinguishers are available in 2kg, 3kg, and 4.5kg standard Version.

- ISI Marked
- 1 year warranty
- Safe for use on live electrical equipment
- Fully refillable
- Controlled discharge
- Supplied with wall bracket
- Full range of spare parts are available



MODEL	SPF- 2 KG CO2	SPF- 3 KG CO2	SPF- 4.5 KG CO2
CYLINDER BODIES	PESO APPROVED	PESO APPROVED	PESO APPROVED
CAPACITY (KG)	2	3	4.5
FIRE RATING	21B	34B	55B
EXTINGUISHING MEDIUM	CO_2 Gas IS 15222	CO_2 Gas IS 15222	CO_2 Gas IS 15222
TEMPERATURE RANGE	-30°c to + 60°c	-30°c to + 60°c	-30°c to + 60°c
AVERAGE DISCHARGE TIME (Sec.)	09 Sec	09-11 Sec.	10-12 Sec.
AVERAGE DISCHARGE RANGE (Meters)	02 Mtrs.	02 Mtrs.	03 Mtrs.
TEST PRESSURE	250 BAR	250 BAR	250 BAR

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ISO 9001:2015 CERTIFIED TÜV AUSTRIA
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SAFE PRO
FIRE SERVICES PVT. LTD.
Faster than fire

WATER TYPE
FIRE EXTINGUISHER

Water Type Fire Extinguishers are ideal for extinguishing Class A Fires. The SAFE PRO Water Fire Extinguishers are perfect for use in a range of applications including offices and warehouses and the extinguishment is just pure water making the fire extinguishers extremely environmentally friendly and quick and simple to discharge test.

- ISI Marked
- 1 year warranty
- High quality corrosion resistant finish
- Easy to read pressure gauge
- Supplied complete with wall mounting bracket
- Full range of spare parts are available



MODEL	SPF- 9 LTR W	SPF- 9 LTR W CT
CYLINDER MATERIAL	M.S.	M.S.
CAPACITY (Ltr.)	9	9
FIRE RATING	3A	3A
EXTINGUISHING MEDIUM	WATER	WATER
TEMPERATURE RANGE	+5°c to + 60°c	+5°c to + 60°c
AVERAGE DISCHARGE TIME (Sec.)	20-25 Sec.	20-25 Sec.
AVERAGE DISCHARGE RANGE (Meters)	04 Mtrs.	04 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR
EXPELLANT	NITROGEN	CO_2
Co2 CARTRIDGE CAPACITY (grams)	—	60

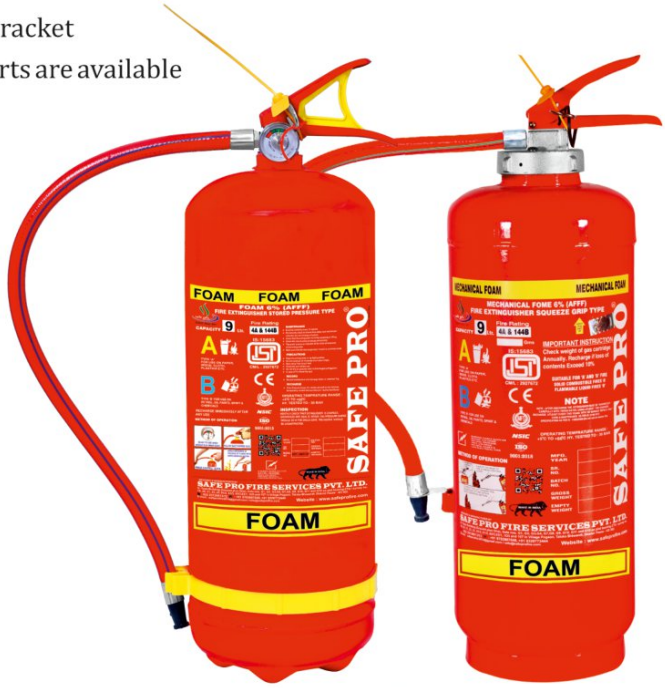
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CM/L : 2927672

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FOAM TYPE
FIRE EXTINGUISHER

Foam Type Fire extinguishers are ideal for use on Class A and Class B Type Fire Risks. The SAFE PRO Foam fire extinguishers are available in 9ltr standard models.

- ISI Marked
- 1 year warranty
- Squeeze grip operation
- Fully refillable
- Supplied with wall bracket
- Full range of spare parts are available



MODEL	SPF- 9 LTR MF	SPF- 9 LTR MF CT
CYLINDER MATERIAL	M.S.	M.S.
CAPACITY (Ltr.)	9	9
FIRE RATING	4A 144B	4A 144B
EXTINGUISHING MEDIUM	AFFF FOAM IS 4989	AFFF FOAM IS 4989
TEMPERATURE RANGE	+5°c to + 60°c	+5°c to + 60°c
AVERAGE DISCHARGE TIME (Sec.)	18-20 Sec.	18-20 Sec.
AVERAGE DISCHARGE RANGE (Meters)	05 Mtrs.	05 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR
EXPELLANT	NITROGEN	CO_2
Co2 CARTRIDGE CAPACITY (grams)	—	60

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CM/L : 2927672
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WET CHEMICAL TYPE

FIRE EXTINGUISHER

SAFE PRO Kitchen Type Fire Extinguisher offers a distinctive unique feature by reacting chemically with cooking oil or fats (Saponification) & forms a non-combustible layer on surface, thereby provides a very fast flame knock down & complete securement of grease related fires. High reactivity of chemicals, reduces fire intensity of oil -immediately and also it does not produce any hazardous by-products due to fire or reaction with burning oil. Ease of post fire clean up. Totally non-corrosive product.

AVAILABLE IN VARIOUS CAPACITIES AND VARIANTS: STAINLESS STEEL CYLINDERS AND STANDARD MILD STEEL CYLINDERS

- ISI Marked
- 1 year warranty
- Squeeze grip operation
- Fully refillable
- Controlled discharge
- Supplied with wall bracket
- Full range of spare parts are available



MODEL	SPF- 4 Ltrs. K	SPF- 6 Ltrs. K	SPF- 9 Ltrs. K
CYLINDER MATERIAL	S.S	S.S	S.S
CAPACITY (Ltrs.)	4 Ltrs.	6 Ltrs.	9 Ltrs.
FIRE RATING	15F	25F	75F
EXTINGUISHING MEDIUM	WET CHEMICAL	WET CHEMICAL	WET CHEMICAL
AVERAGE DISCHARGE TIME (Sec.)	12-15 Sec.	15-18 Sec.	18-20 Sec.
AVERAGE DISCHARGE RANGE (Meters)	03 Mtrs.	03 Mtrs.	04 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN	NITROGEN

IS:15683:2018
CM/L : 2927672

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SAFE PRO
FIRE SERVICES PVT. LTD.
Faster than fire

AUTOMATIC CEILING MOUNTED
MODULAR FIRE EXTINGUISHER

Automatic fire extinguishers are ideal for use in unoccupied rooms or areas and can be used to provide fire safety protection in an enclosed space.

- Available with ABC Powder and Clean Agent gas Extinguishers.
- Supplied complete with temperature activation bulb (68°C) which activates the fire extinguisher when the temperature is reached.
- Wide range of uses including unattended areas, storage rooms, server rooms, engine compartments.



MODEL	SPF-M02	SPF-M05	SPF-M10	SPF-M15
CAPACITY	2 KG	5 KG	10 KG	15 KG
DESIGN	Ceilling mounted	Ceilling mounted	Ceilling mounted	Ceilling mounted
AVERAGE DISCHARGE TIME	4-5 sec	6-8 sec	10-15 sec	15-20 sec
HANGING HEIGHT ABOVE RISK	1.5 Mtr	1.5 to 2 Mtr	1.75 to 2.25 Mtr	2 to 3 Mtr
AREA PROTECTION	1 to 1.5 m^2	2 to 2.5 m^2	4 to 5 m^2	5 to 6 m^2
VOLUME PROTECTION	2.5 m^3	6 m^3	10 m^3	15 m^3
AVERAGE % DISCHARGE	99%	99%	99%	99%
OPERATING TEMPERATURE	68°C	68°C	68°C	68°C
SERVICE / TEST PRESSURE	15 / 35 BAR	15 / 35 BAR	15 / 35 BAR	15 / 35 BAR
EXPELLING AGENT	Nitrogen / Clean Agent	Nitrogen / Clean Agent	Nitrogen / Clean Agent	Nitrogen / Clean Agent

1128

DRY CHEMICAL POWDER ABC TYPE

WHEELED FIRE EXTINGUISHER

SAFE PRO fire wheeled extinguishers are available in ABC Powder and offer exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. SAFE PRO fire wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	25 kg Outside Cartridge type	25 kg Inside Cartridge type	50 kg Outside Cartridge type	75 kg Outside Cartridge type
TYPE	Wheeled DCP ABC type	Wheeled DCP ABC type	Wheeled DCP ABC type	Wheeled DCP ABC type
IS NO.	IS 16018	IS 16018	IS 16018	IS 16018
FIRE RATING	20A 233B	20A 233B	20A 233B	20A 233B
OPERATING TEMPERATURE	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C
AVERAGE JET LENGTH THROW **(IN MTRS)**	6 Mtrs.	6 Mtrs.	07 Mtrs.	7.5 Mtrs.
AVERAGE DISCHARGE PERCENTAGE	90%	90%	90%	90%
AVERAGE DISCHARGE TIME (SEC)	40 sec.	40 sec.	45-50 Sec.	45-50 Sec.
CHARGE PRESSURE	1.5Mpa	1.5Mpa	1.5Mpa	1.5Mpa
TEST PRESSURE	3.5 Mpa	3.5 Mpa	3.5 Mpa	3.5 Mpa
EXTINGUISHER MEDIA	Dry powder As per IS 4308	Dry powder As per IS 4308	Dry powder As per IS 4308	Dry powder As per IS 4308
EXPELLANT	CO_2	CO_2	CO_2	CO_2
LENGTH OF HOSE PIP E	2 mtrs.	2 mtrs.	4 mtrs.	4 mtrs.

IS:16018:2012
CM/L : 7700134215
1128

MECHANICAL FOAM

MOBILE UNIT

Mechanical Foam Making Mobile Unit, consisting of 100 /200 litre capacity MS foam tank, one 225 l.p.m, Al. Alloy inline inductor with connection to foam tank, one foam making branch pipe with 63mm male inst. inlet, mounted on a rubber-tyred trolley with a handle & 6" castor wheel & having provision to keep 2 lengths of 63mm x 15 mtr. length.



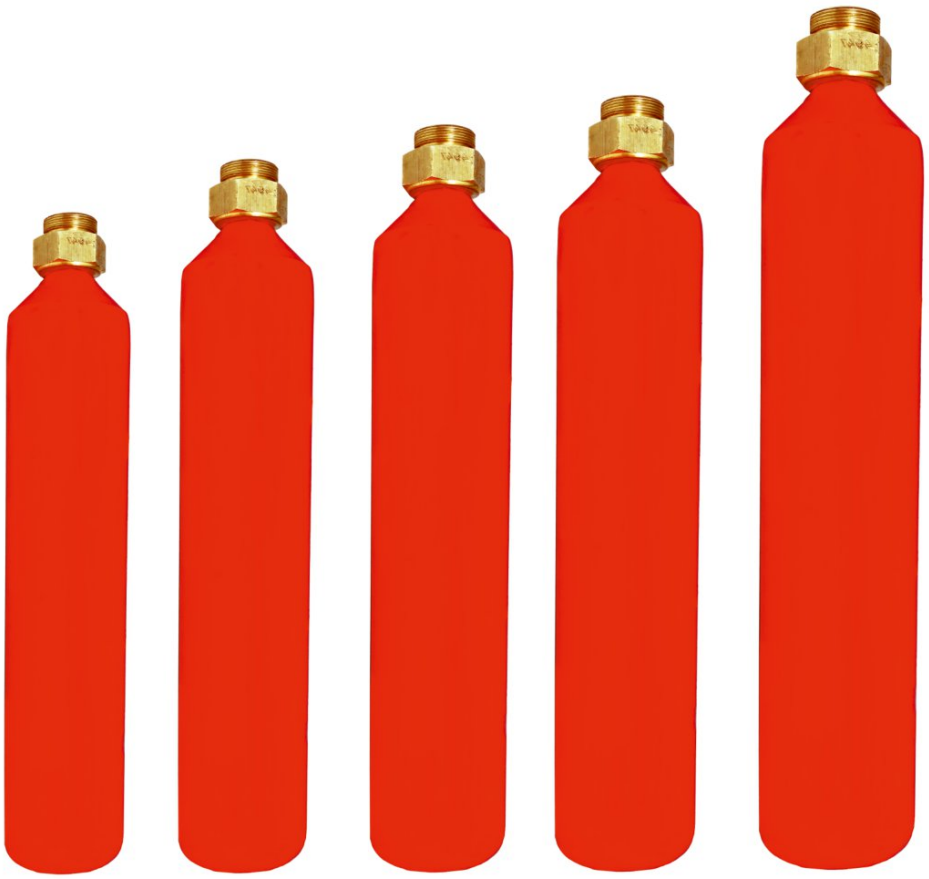




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Since 2000
Faster than fire

CO_2 CARTRIDGE

WITH BRASS NUT



TECHNICAL DETAILS

IS NO.			4947		
TYPE	60 G	90 G	120 G	200 G	300 G
OUTSIDE DIAMETER (MM)	38/48	38/48	38/48	38/48	48/52
VOLUME (ML)	90	135	180	300	450
CO2 FILLED WEIGHT (G)	60	90	120	200	300
WORKING PRESSURE (BAR)			174		
TEST PRESSURE (BAR)			250		
MIN WAL THICKNESS (MM)			3		
EXPELLANT			Co2		
ANTI CORROSIVE TREATMENT			PHOSPHATING (7 TANKS)		
PAINTING			EPOXY POLYSTER POWDER COATING		

CE 1128

HOSE BOX

DOUBLE DOOR

DOUBLE DOOR HOSE BOX MS



Dimension-

750mmX600mmX250mm

Material- Mild Steel (3mm thickness)

Colour- Powder coated in Red PO colour

Door Opening Type -

Central opening glazed door, Necessary Locking Arrangement

Sticker of "Fire Hose Box" on the box.

This hose box consists of double door to keep two hoses of 15meters length and a nozzle.

DOUBLE DOOR HOSE BOX SS

Dimension-

750mm X 600mm X 250mm

Material- Stainless Steel (3mm thickness)

Door Opening Type -

Central opening glazed door, Necessary Locking Arrangement

Sticker of "Fire Hose Box" on the box.

This hose box consists of double door to keep two hoses of 15meters length and a nozzle.



CONVENTIONAL OPTICAL

SMOKE DETECTOR



AS - 503
CONVENTIONAL OPTICAL SMOKE DETECTOR
Technical Parameters:

- Votage range:16-32 VDC
- Alarm current:10-100mA
- Quiescent: 60uA @ 24VDC
- Operating temperature: OC to +90'C
- Humidity:<95%RH
- Coverage:50 sq. meters
- 2-wire
- Photoelectric sensor
- Product size:10.6x10.6x5.2cm



AS - 504
CONVENTIONAL HEAT DETECTOR
Technical Parameters:

- Votage range:16-32 VDC
- Alarm current:10-100mA
- Quiescent: 40uA @ 24VDC
- Operating temperature: OC to +90'C
- Humidity:<95%RH
- Coverage:50 sq. meters
- 2-wire
- Cancel
- Product size:10.6x10.6x5.2cm



AS - 505
CONVENTIONAL OPTICAL MULTI - DETECTOR
Technical Parameters:

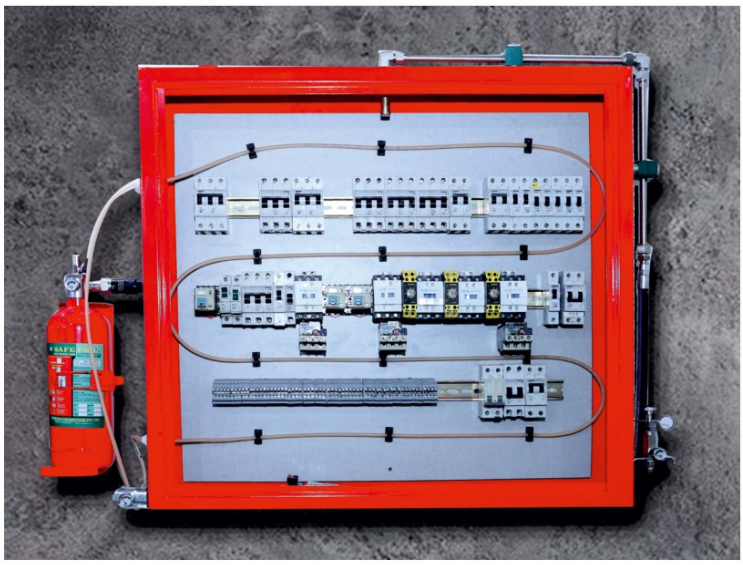
- Votage range:16-32 VDC
- Alarm current:10-100mA
- Quiescent: 60uA @ 24VDC
- Operating temperature: OC to +90'C
- Humidity:<95%RH
- Coverage:50 sq. meters
- 2-wire
- Photoelectric sensor
- Product size:10.6x10.6x5.2cm

DIRECT LOW PRESSURE (DLP) FIRE SUPPRESSION SYSTEM

DLP System : The fire detection tube acts as the delivery system for the suppression agent which discharges and directly releases the agent onto a fire via the burst hole which acts as a nozzle in the fire detection tube. Act as a heat-sensing and agent discharge tube.

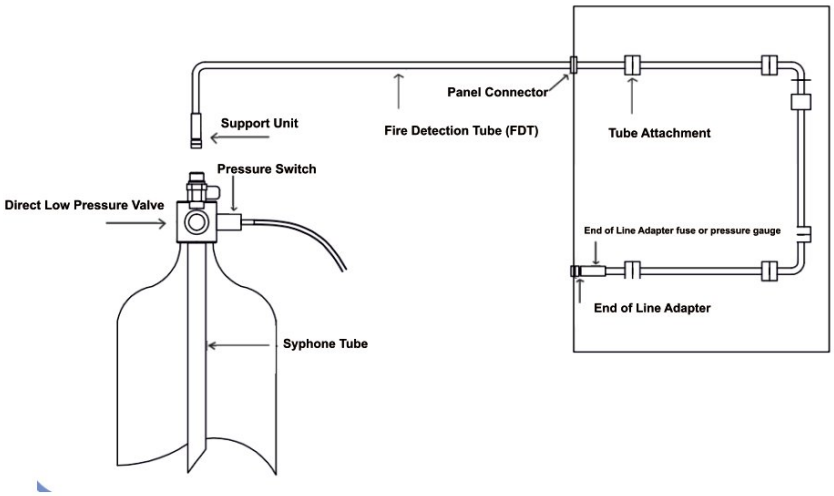
DLP SYSTEM & SPARES

- MS Cylinder Available in Capacity of 2kg, 4kg, 6Kg, 9kg (ISI)
- Direct Low Pressure Valve
- End Of Line Adaptor With Pressure Gauge
- UL Listed Tube With Burst Temp 138°c (UL)
- Non UL Tube
- Clean Agent Safe Pro 1230 (FK-5-1-12) (UL Listed), HFC 227ea (UL Listed)
- Pressure Switch & Accessories

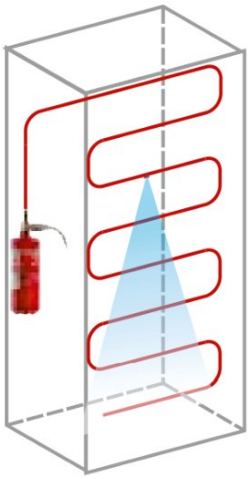


DLP SYSTEM APPLICATION

- Electric Panels
- Server Racks
- Tool Machinery



DLP



SAFETY REFLECTIVE JACKETS

REFLECTIVE JACKETS



Heavy Duty Contractor Surveyor's vest with zipper closure and large back "plan" pocket. Built with rugged ANSI 107 Hi-Viz material, reinforced wear points, and long-wearing web reinforcement along outer edges. Mesh upper, front and back, for breath ability and comfort. Pockets in tough woven twill fabric provide durability.

MESH

GREEN ORANGE

SIZES AVAILABLE

M, L, XL

FEATURES:

Zipper Closure
2 Glass Bead Reflective Tape [Class 2]
Grommets at Neck for Tool Keepers
Woven Fabric Bias Tape Mic Tab on Shoulder
Heavy Black Webbing Reinforcement

POCKETS: 6

Upper Chest Flap Pocket
Upper Split Pencil Pocket
Lower Front Flap Covered Pockets
Large Inside Open Pockets

MATERIALS:

100% Polyester Mesh
100% Polyester Solid Twill Pockets

COLORS:

High-Visibility Green
High-Visibility Orange
25 Wash Max



TRAFFIC ZONE

A Complete Range of Traffic - Road Safety



We are successfully engaged in supplying a commendable range of Traffic Safety Equipments. Provided Products are tested on various parameter of quality.

PRODUCTS

ALTiX
Smart Locks



Smart Cylinder



Ultra Premium Locks



Wifi Smart Locks



Aluminum & UPVC
Door Locks



Tuya & TTLocks
Gateways

ALTiX

Smart Locks قفل باب ذكي

Catalog 2024



AUG-2024

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Catalog 2024

TABLE OF CONTENTS	
1	Smart Cylinders
2	Signature Premium Door Locks
3	Smart Mortise Locks with Handle
4	Aluminum Doors Narrow Profile Locks
6	Gateways & Accessories
7	Lock & Access Management Solutions
8	Installation Services

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GERMAN FINGERPRINT TECHNOLOGY

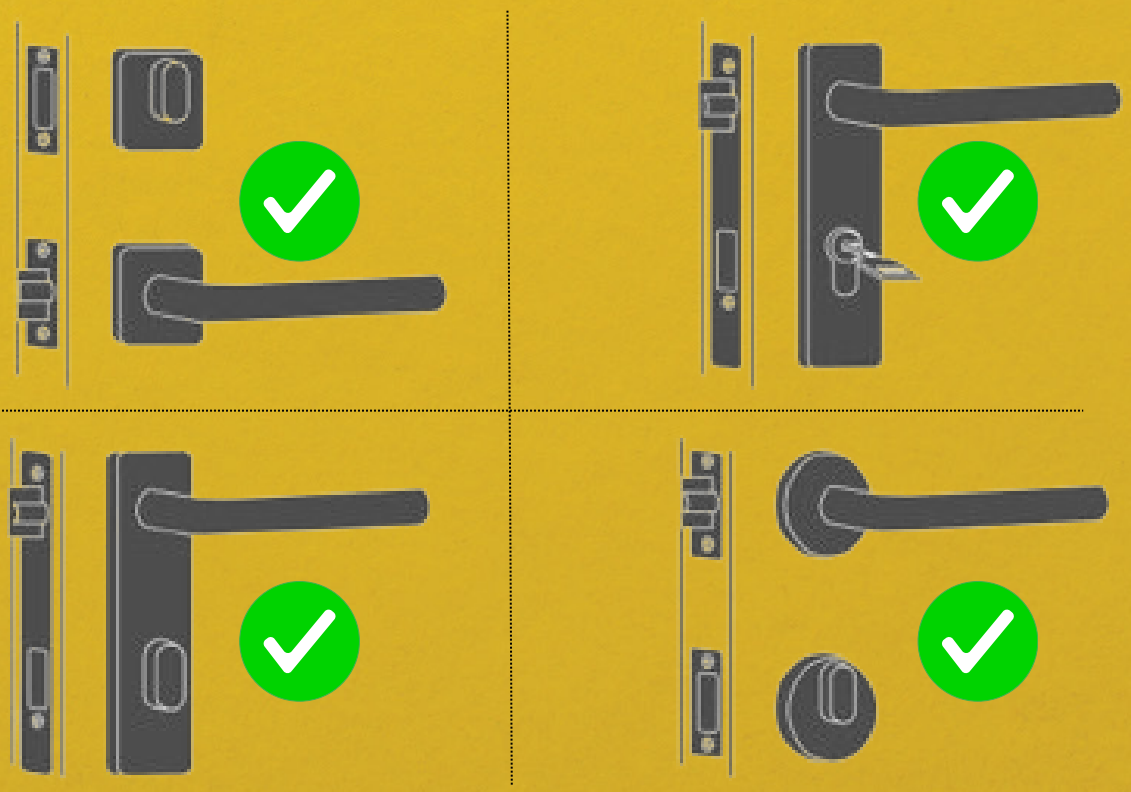
Smart Cylinder Locks



Compatible Doors

- Wooden Doors
- Steel Doors
- Aluminum Doors
- UPVC Doors
- Gates

Compatible Lock Types



Elevate Convenience
Enhance Security

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ALTiX CL1 Smart Cylinder

EASY TO INSTALL SMART CYLINDER FOR WIDE RANGE OF APPLICATION
PREMIUM QUALITY FINISH FOR LONG-LASTING USAGE

UNLOCK METHODS

- **FINGERPRINT** Model specific
- **KEYPAD** Model specific
- **MOBILE APP**
- **SMART KEY**
- **METAL KEY**

Emergency USB Power

RECOMMENDED USE

- ✓ Small Villas
- ✓ Apartments
- ✓ Private Rooms
- ✓ Vacation Homes
- ✓ Small Offices
- ✓ Shops
- ✓ Executive Office
- ✓ Warehouse
- ✗ Gates (Outdoors)

SPECIFICATIONS

COLOR	Matte Black / Pearl Chrome
MATERIAL	Aluminum Alloy + Brass
BATTERY	1 x CR123A (optional), 1 Year Battery Life
PRODUCT SIZE	Front: 42 * 58mm, Back: 34 * 31.4mm
PACKAGE / WEIGHT	10 * 7.5 * 25cm / 0.6Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (limited water and dust proof)
MEMORY	100 Fingerprints, 100 Smart Cards/Passcodes

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Pearl Chrome	• 60mm	• Tuya	• Fingerprint
• Space Black	• 70mm	• TTLock	• Keypad
	• 80mm		
	• 90mm		
	• 100mm		



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tuya — For Smart Homes & Villas

TTLOCK — For Home, Hotels & Vacay Homes

ALTiX CL2 Smart Cylinder

EASY TO INSTALL SMART CYLINDER FOR WIDE RANGE OF APPLICATION
GOOD QUALITY FINISH FOR LONG-LASTING USAGE

UNLOCK METHODS

- **FINGERPRINT** Model specific
- **KEYPAD** Model specific
- **MOBILE APP**
- **SMART KEY**
- **METAL KEY**

No emergency USB Power

RECOMMENDED USE

- ✗ Villas
- ✓ Apartments
- ✓ Private Rooms
- ✓ Vacation Homes
- ✓ Small Offices
- ✗ Shops
- ✓ Executive Office
- ✗ Warehouse
- ✗ Gates (Outdoors)

SPECIFICATIONS

COLOR	Black / Silver
MATERIAL	Acrylic and Aluminum Alloy
BATTERY	1 x CR123A (optional), 1 Year Battery Life
PRODUCT SIZE	Front: 40mm x 42mm, Back: 30 * 35mm
PACKAGE / WEIGHT	19 * 11 * 7cm / 0.52Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP55 (Suitable for indoor)
MEMORY	100 Fingerprints, 100 Smart Cards/Passcodes

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Silver	• 60mm	• Tuya	• Fingerprint
• Black	• 70mm	• TTLock	• Keypad
	• 80mm		
	• 90mm		
	• 100mm		



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ALTiX CL3 Smart Cylinder

EASY TO INSTALL SMART CYLINDER FOR WIDE RANGE OF APPLICATION
PREMIUM QUALITY FINISH FOR LONG-LASTING USAGE

UNLOCK METHODS

FINGERPRINT
Model specific

KEYPAD
Model specific

MOBILE APP

METAL KEY

Emergency USB Power

RECOMMENDED USE

- ✓ Villas
- ✓ Apartments
- ✓ Private Rooms
- ✓ Vacation Homes
- ✓ Small Offices
- ✓ Shops
- ✓ Executive Office
- ✓ Warehouse
- ✗ Gates (Outdoors)

SPECIFICATIONS	
COLOR	Silver / Black
MATERIAL	Aluminum Alloy / Acrylic
BATTERY	AAA Batteries (optional), 1-Year Battery Life
PRODUCT SIZE	Front: 40mm x 42mm, Back: 30 * 35mm
PACKAGE / WEIGHT	19 * 11 * 7cm / 0.58Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, Tools, Manual
IP RATING	IP64
MEMORY	100 Fingerprints, 100 Smart Cards/Passcodes

VARIATIONS			
COLOR	**SIZE**	**TECH**	**STYLE**
• Silver	• 60mm	• Tuya	• Key + Fingerprint
• Black	• 70mm	• TTLock	• Fingerprint Only
	• 80mm		
	• 90mm		
	• 100mm		



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ALTiX CL3 IP65 Smart Cylinder

EASY TO INSTALL SMART CYLINDER FOR WIDE RANGE OF APPLICATIONS
PREMIUM QUALITY FINISH FOR LONG-LASTING USAGE

UNLOCK METHODS

- **FINGERPRINT** Model specific
- **KEYPAD** Model specific
- **MOBILE APP**
- **SMART KEY**
- **METAL KEY**

Emergency USB Power

RECOMMENDED USE

- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Small Offices
- Shops
- Executive Office
- Warehouse
- Gates (Outdoors)

SPECIFICATIONS

COLOR	Black / Pewter Grey / Gold
MATERIAL	Aluminum Alloy
BATTERY	4 x AAA (optional), 1 Year Battery Life
PRODUCT SIZE	Front: 40mm x 42mm, Back: 30 * 35mm
PACKAGE / WEIGHT	19 * 11 * 7cm / 0.58Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 3x Cards, Tools, Manual
IP RATING	IP65 (Waterproof and Dustproof)
MEMORY	100 Fingerprints, 100 Smart Cards/Passcodes

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Silver	• 60mm	• Tuya	• Code + Fingerprint
• Black	• 70mm	• TTLock	• Fingerprint Only
	• 80mm		
	• 90mm		
	• 100mm		



WATER PROOF

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tuya
For Smart Homes & Villas

TTLOCK
For Home, Hotels & Vacay Homes

ALTiX C1 Smart Cylinder

EASY TO INSTALL SMART CYLINDER FOR WIDE RANGE OF APPLICATIONS
PREMIUM QUALITY FINISH FOR LONG-LASTING USAGE

UNLOCK METHODS

- **FINGERPRINT** Model specific
- **KEYPAD** Model specific
- **MOBILE APP**
- **SMART KEY**
- **METAL KEY**

Emergency USB Power

RECOMMENDED USE

- ✓ Villas
- ✓ Apartments
- ✓ Private Rooms
- ✓ Vacation Homes
- ✓ Small Offices
- ✓ Shops
- ✓ Executive Office
- ✓ Warehouse
- ✗ Gates (Outdoor)

SPECIFICATIONS

COLOR	Black / Pewter Grey / Gold
MATERIAL	Aluminum Alloy
BATTERY	4 x AAA (optional), 1 Year Battery Life
PRODUCT SIZE	Front: 40mm x 42mm, Back: 30 * 35mm
PACKAGE / WEIGHT	20 * 12 * 10cm / 0.62Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (for indoor use only)
MEMORY	200 Fingerprints, 200 Cards & 150 Passcodes

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Silver	• 35-65mm	• Tuya	• Code + Fingerprint
• Black	• 60-95mm	• TTLock	• Code Only
	• 90-135mm		



ALTiX
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tuya — For Smart Homes & Villas

TTLOCK — For Home, Hotels & Vacay Homes

ALTiX 5D IP65 Smart Cylinder

EASY TO INSTALL SMART CYLINDER FOR WIDE RANGE OF APPLICATIONS
PREMIUM QUALITY FINISH FOR LONG-LASTING USAGE

UNLOCK METHODS

- **FINGERPRINT** Model specific
- **KEYPAD** Model specific
- **MOBILE APP**
- **SMART KEY**

Emergency USB Power

RECOMMENDED USE

- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Small Offices
- Shops
- Executive Office
- Warehouse
- Gates (Outdoors)

SPECIFICATIONS

COLOR	Pearl Nickel Color
MATERIAL	Zinc Alloy knob, Brass cylinder
BATTERY	2 x CR2 (optional), 2.5 Years Battery Life
PRODUCT SIZE	Front: 45mm x 54.5mm, Back: 30 * 34mm
PACKAGE / WEIGHT	20 * 12 * 10cm / 0.65Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP66 (dustproof, waterproof)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Silver	• 65mm	• Tuya	• Code + Fingerprint
• Black	• 75mm	• TTLock	
	• 85mm		
	• 95mm		
	• 105mm		



WATER PROOF

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Cylinder Models Comparision

ALTIX CYLINDER MODELS							
MODELS							
Features	**CL1**	**CL2**	**CL3-FP**	**CL3-FP KEY**	**CL3-IP65**	**C1**	**5D-IP66**
Fingerprint	✓ (model specific)	✓ (model specific)	✓	✓	✓	✓	✓
Passcode	✓ (model specific)	✓ (model specific)	✗	✓	✓	✓	✓
Smartphone Control BLE	✓	✓	✓	✓	✓	✓	✓
Smart Card Unlock	✓	✓	✗	✗	✓	✓	✓
Backup Metal Key	✓	✓	✓	✓	✓	✓	✗
Memory Groups (Fingerprint/Card)	100	100	100	100	100	**200**	100
Emergency USB port	✓	✗	✓	✓	✓	✓	✓
Tuya or TTLock	✓	✓	✓	✓	✓	✓	✓
Remote Control w/ Gateway	✓	✓	✓	✓	✓	✓	✓
Body Material	Brass, Alloy	Alloy, Acrylic	Alloy	Alloy	Alloy	Alloy	Brass, Alloy
IP Rating	IP56	IP55	IP56	IP56	**IP65**	IP56	**IP66**
Dust proofing	✓	✓	✓	✓	✓	✓	✓
Waterproof (for outdoor)	✗	✗	✗	✗	✓	✗	✓
Battery Life (avg. usage)	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	**2.5 Years**
Battery	1 x CR123A	1 x CR123A	3 x AAA	4 x AAA	3 x AAA	3 x AAA	2 x CR2
Gross Weight (Kg)	0.60	0.52	0.58	0.58	0.58	0.62	0.65

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Signature Door Locks

Ultra Premium Locks with 3D Facial Recognition unlock feature



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Enhance Security

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Compatible Doors

- Wooden Doors
- Steel Doors
- Aluminum Doors
- UPVC Doors

ALTiX A9X Smart Lock

ULTRA PREMIUM QUALITY SMART LOCKS THAT ELEVATE AESTHETICS
OF ANY HOMES WITH IT'S ELEGANT AND LUXURIOUS DESIGN

UNLOCK METHODS

- 3D FACE UNLOCK
- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

RECOMMENDED USE

- Penthouses
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS	
COLOR	Black
MATERIAL	Zinc Alloy, Aluminum Body
BATTERY	8 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 6.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	6068F Motorized Mortise

VARIATIONS			
COLOR	**SIZE**	**TECH**	**STYLE**
Black	Universal	Tuya	Universal







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ALTiX A7X Smart Lock

ULTRA PREMIUM QUALITY SMART LOCKS THAT ELEVATE AESTHETICS OF ANY HOMES WITH IT'S ELEGANT AND LUXURIOUS DESIGN

UNLOCK METHODS

- 3D FACE UNLOCK
- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

RECOMMENDED USE

- Penthouses
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS	
COLOR	Black / Antique Copper
MATERIAL	Zinc Alloy, Aluminum Body
BATTERY	8 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 6.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	6068 Motorized Mortise

VARIATIONS			
COLOR	**SIZE**	**TECH**	**STYLE**
• Black	Universal	Tuya	Universal
• Copper			







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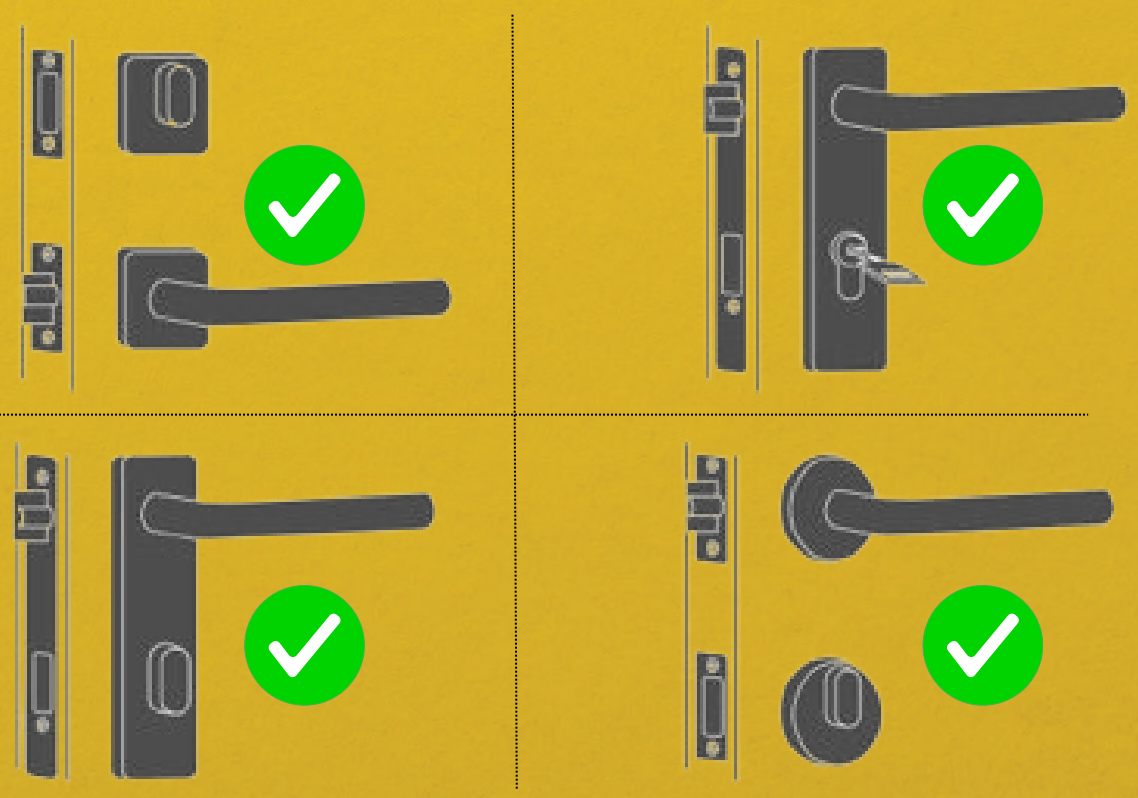
Smart Mortise Locks with Handle



Compatible Doors

- Wooden Doors
- Steel Doors
- Aluminum Doors
- UPVC Doors
- Gates

Compatible Lock Types



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ALTiX R6 WiFi Smart Lock

ADVANCED WI-FI ENABLED SMART LOCK WITH ALEXA AND GOOGLE HOME SUPPORT

UNLOCK METHODS

- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS	
COLOR	Black / Silver / Rose Gold
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	4 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	4585 Mortise included (others compatible)

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Black	Universal	Tuya	Universal
• Silver		TTLock	

WORKS WITH amazon alexa

works with the Google Assistant



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ALTiX R6 Pro WiFi Smart Lock

ADVANCED WI-FI ENABLED SMART LOCK WITH CATS EYE CAMERA FUNCTION FOR VIDEO CALL WITH VISITOR AND OPEN REMOTELY

UNLOCK METHODS

- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

BUILT-IN CAT'S EYE CAMERA

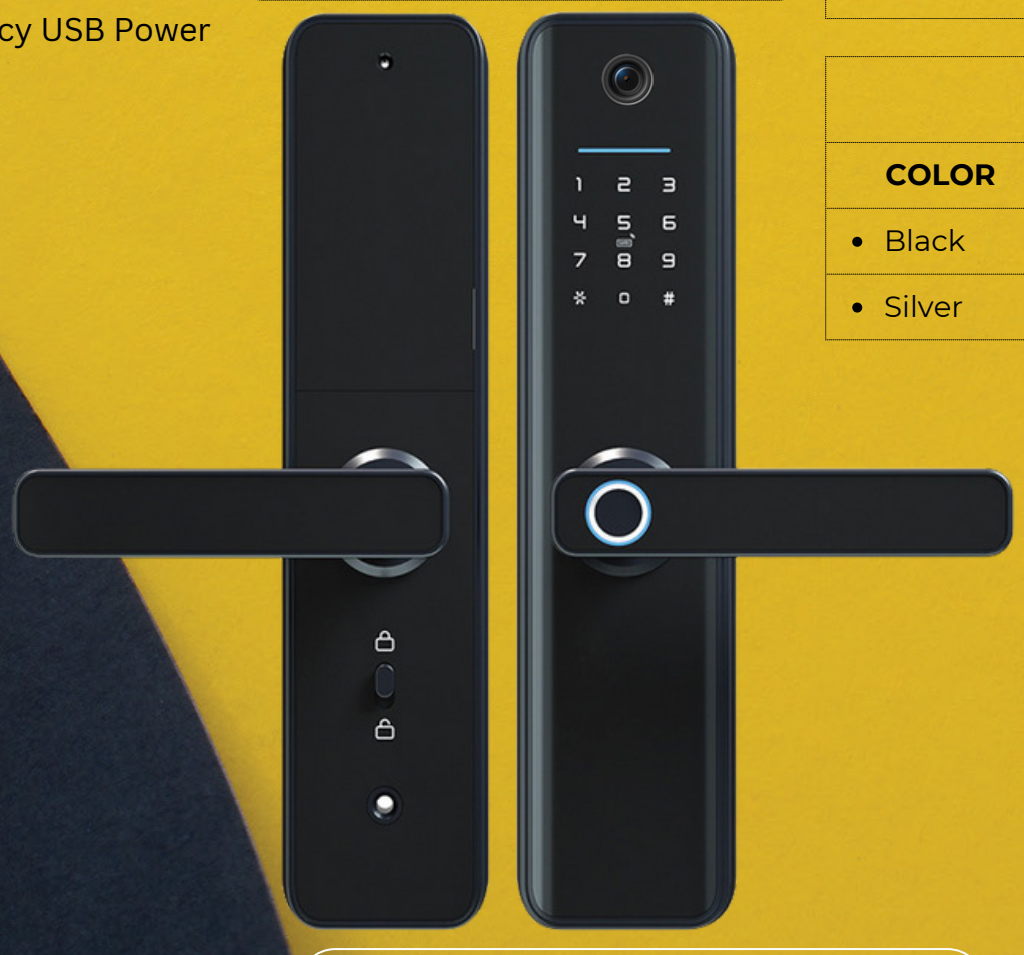


RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

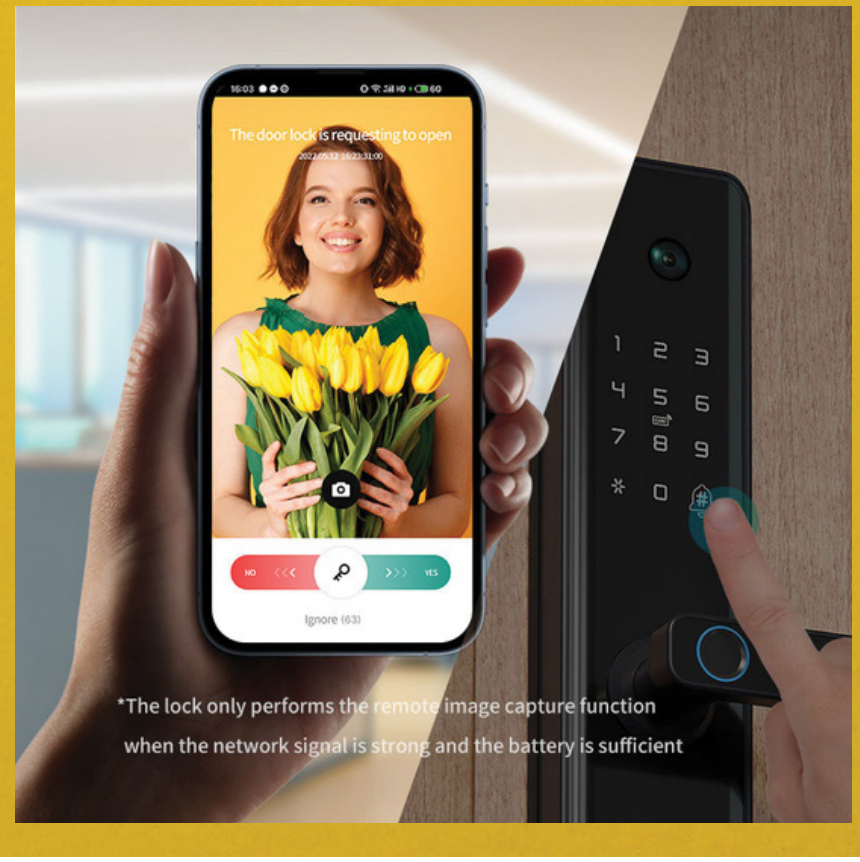
SPECIFICATIONS	
COLOR	Black / Silver / Rose Gold
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	4 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	4585 Mortise included (others compatible)

VARIATIONS			
COLOR	**SIZE**	**TECH**	**STYLE**
• Black	Universal	Tuya	Universal
• Silver			



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works with the Google Assistant



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TTLOCK For Home, Hotels & Vacay Homes

ALTiX

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ALTiX R6 Pro-Display WiFi Smart Lock

ADVANCED WI-FI ENABLED SMART LOCK WITH CATS EYE CAMERA
& VIEWFINDER FOR VIDEO CALL WITH VISITOR AND OPEN REMOTELY

UNLOCK METHODS

- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

CAT'S EYE CAMERA

3.5in DISPLAY

RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

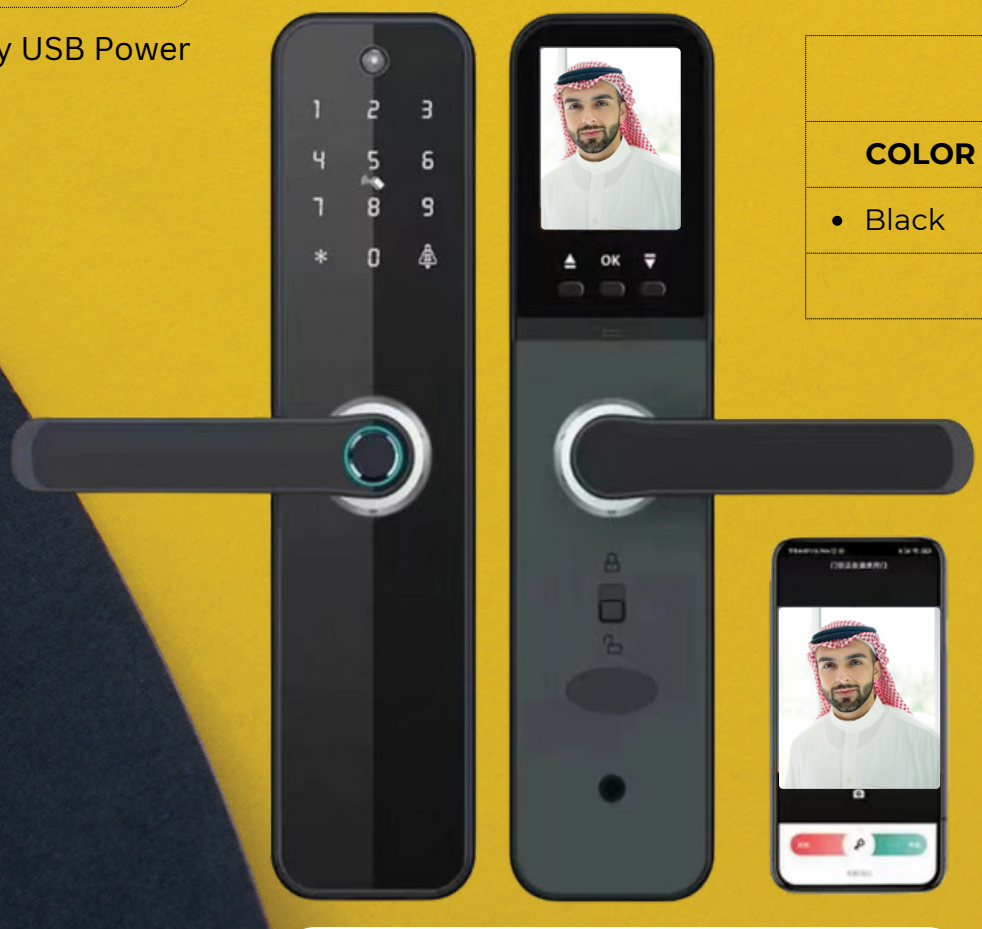
SPECIFICATIONS	
COLOR	Black / Silver / Rose Gold
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	Rechargeable Pack incl., 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	4585 Mortise included (others compatible)

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Black	Universal	Tuya	Universal

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ALTiX R6 Pro-FaceID WiFi Smart Lock

ADVANCED WI-FI ENABLED SMART LOCK WITH CATS EYE CAMERA
& VIEWFINDER FOR VIDEO CALL WITH VISITOR AND OPEN REMOTELY

3D Face ID Camera System & Night Vision

UNLOCK METHODS

- 3D FACE UNLOCK
- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

3.5in DISPLAY

RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS

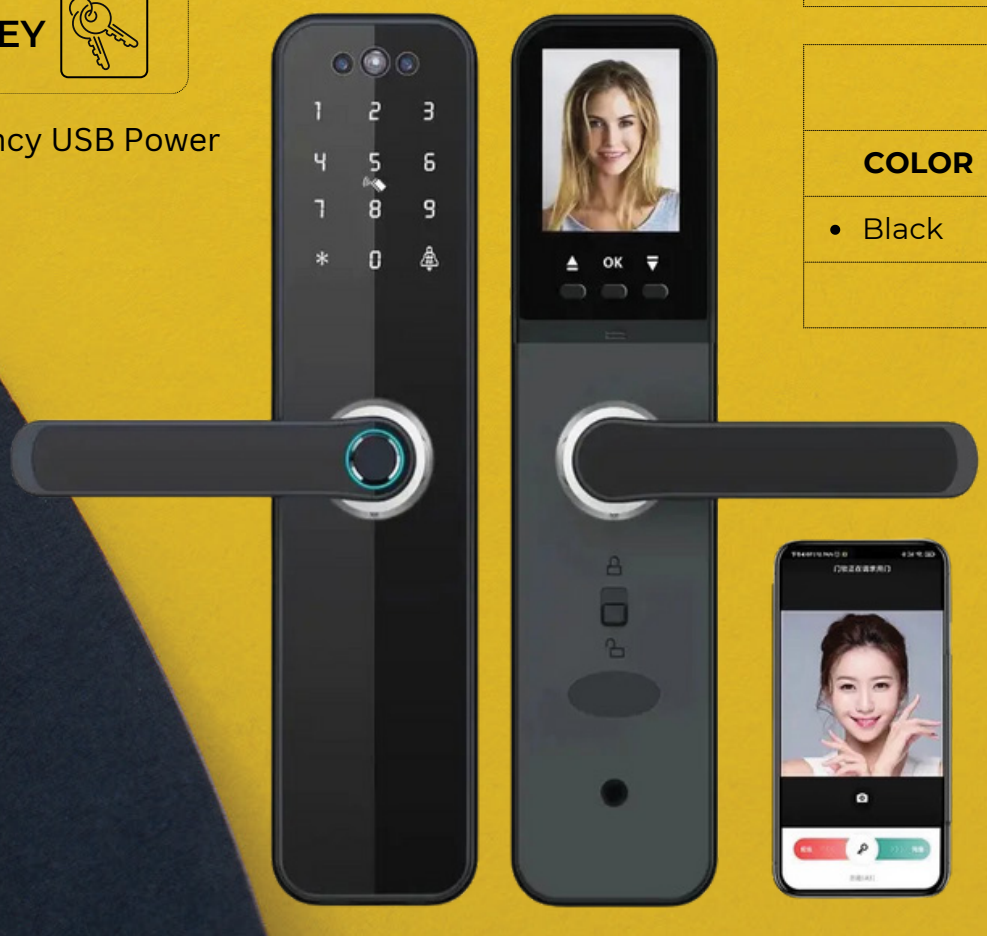
COLOR	Black
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	Rechargeable Pack Incl, 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	4585 Mortise included (others compatible)

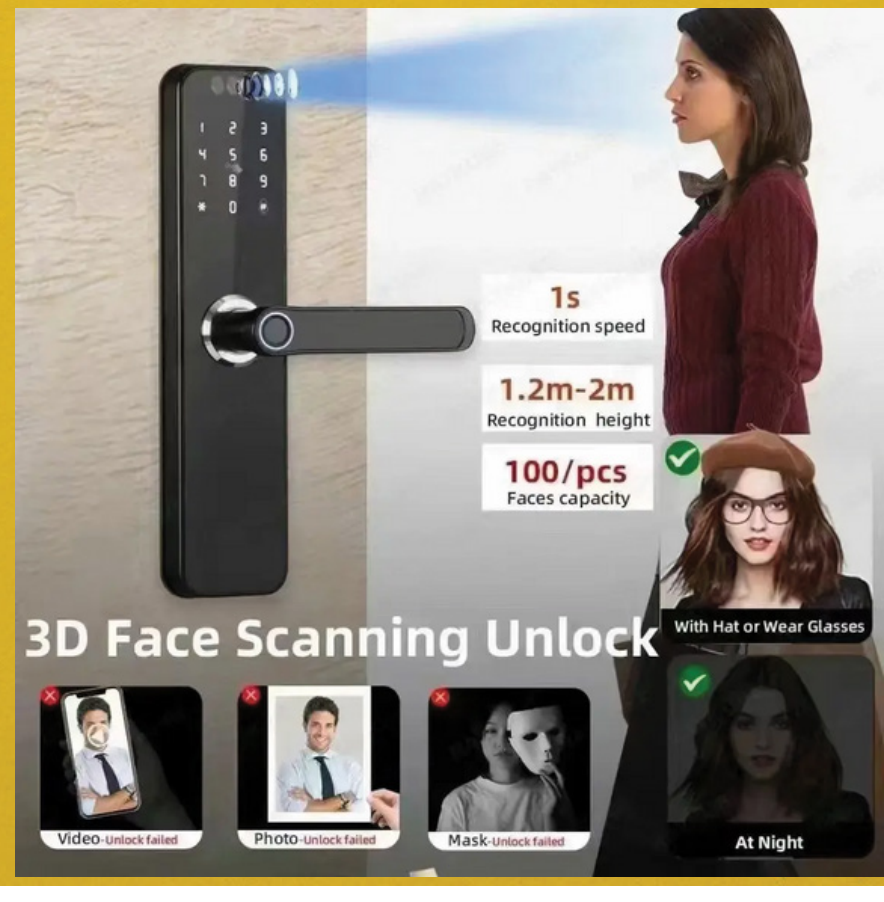
VARIATIONS

COLOR	SIZE	TECH	STYLE
• Black	Universal	Tuya	Universal

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ALTiX R15 WiFi Smart Lock

AFFORDABLE WI-FI ENABLED SMART LOCK THAT JUST WORKS

UNLOCK METHODS

- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

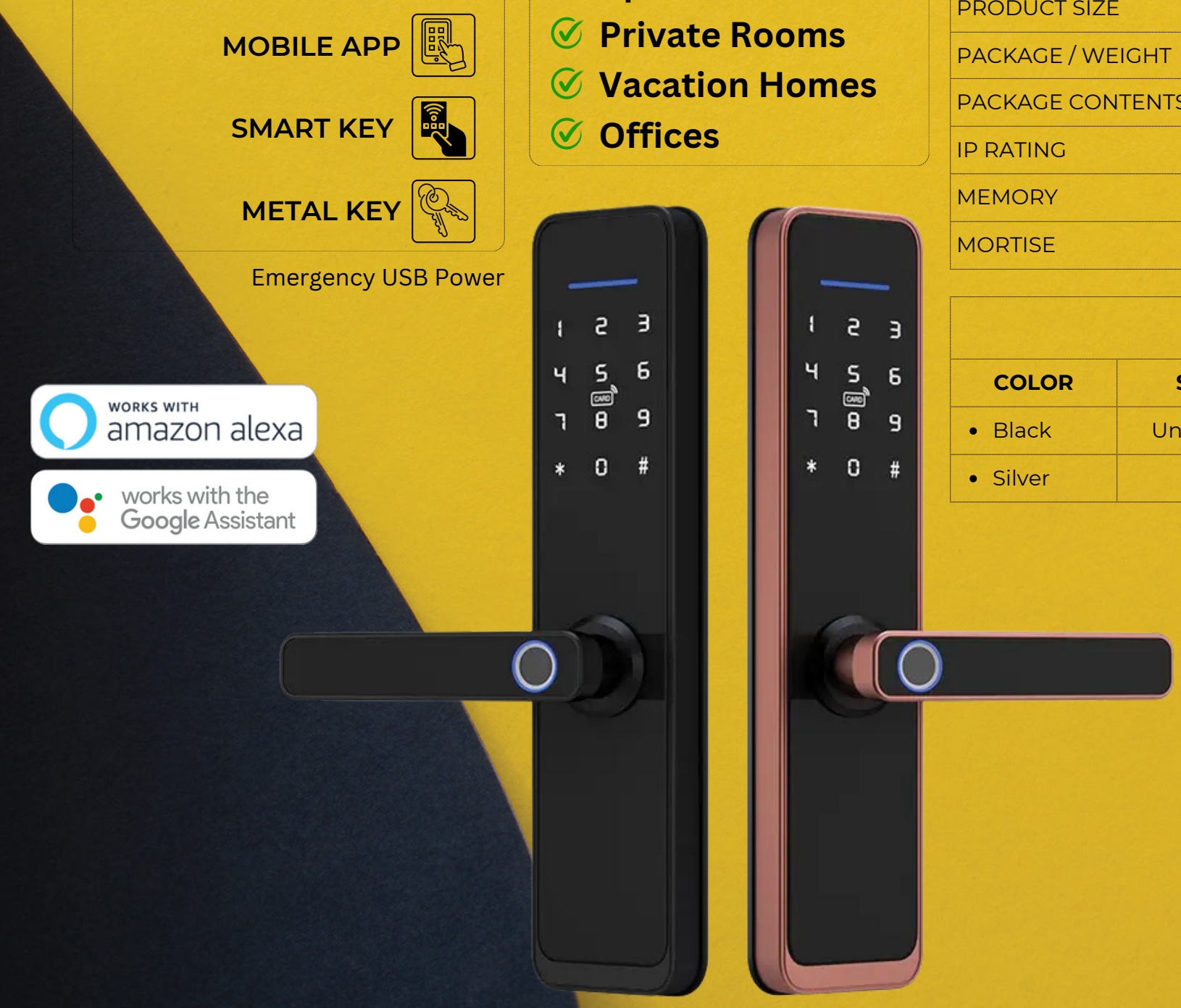
RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS	
COLOR	Black / Rose Gold
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	4 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	4585 Mortise included (others compatible)

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Black	Universal	Tuya	Universal
• Silver		TTLock	





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ALTiX

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ALTiX R11 WiFi Smart Lock

AFFORDABLE WI-FI ENABLED SMART LOCK THAT JUST WORKS

UNLOCK METHODS

- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS	
COLOR	Black / Silver / Rose Gold
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	4 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2.5Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP56 (indoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	4585 Mortise included (others compatible)

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Black	Universal	Tuya	Universal
• Silver		TTLock	

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TTLOCK — For Home, Hotels & Vacay Homes

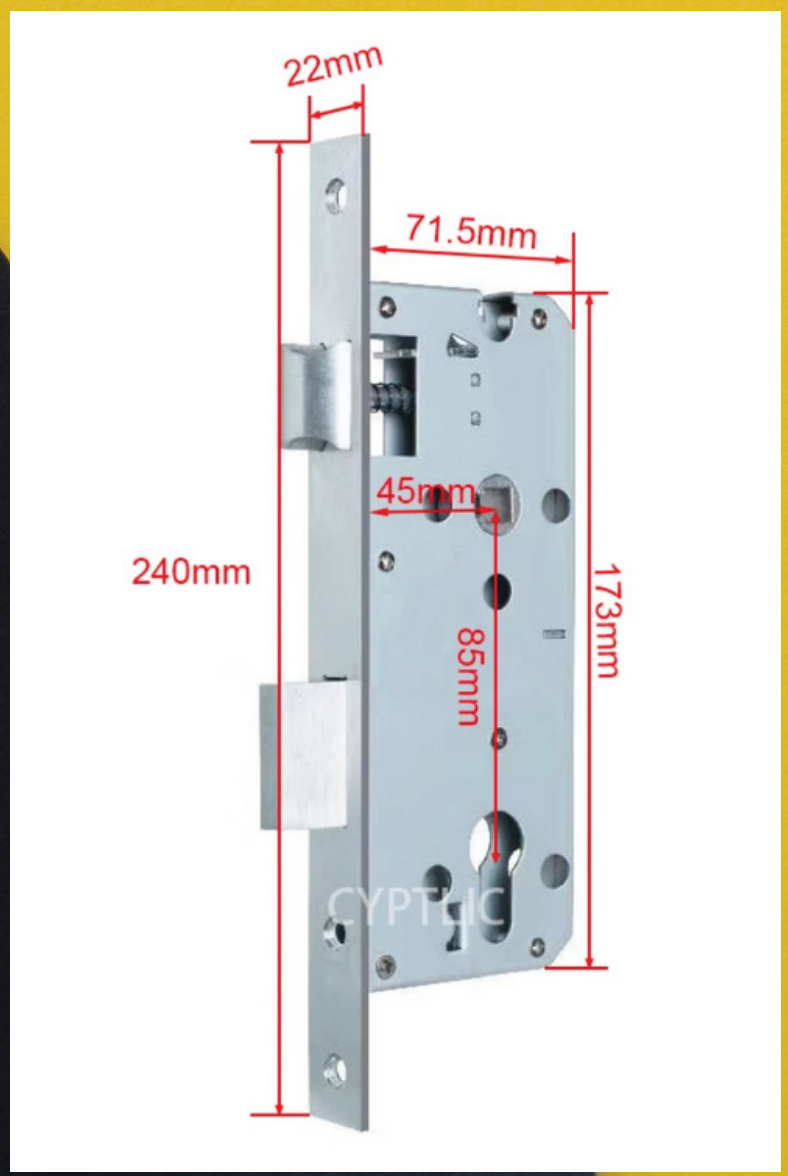
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Supported Mortise Sizes

UAE Standard 4585 Mortise are supplied by default.
Other sizes are custom orders

4585 Mortise





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Aluminum & UPVC Door Locks



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Compatible Doors

- Wooden Doors
- Steel Doors
- Aluminum Doors
- UPVC Doors
- Gates
- Sliding Doors

ALTiX RX Aluminum Door Smart Lock

ALUMINMINUM DOORS SLIM PROFILE SMART LOCKS

UNLOCK METHODS

- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

Emergency USB Power

RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS	
COLOR	Black / Silver
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	4 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP66 (Outdoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	2085 Mortise included (85mm compatible)

VARIATIONS			
COLOR	**SIZE**	**TECH**	**STYLE**
• Black	Universal	Tuya	Universal
• Silver		TTLock	

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IP66

Outdoor Suitable

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ALTiX R7 Sliding Door Smart Lock

ALUMINMINUM DOORS SLIM PROFILE SMART LOCKS

UNLOCK METHODS

- 3D FACE UNLOCK
- FINGERPRINT
- KEYPAD
- MOBILE APP
- SMART KEY
- METAL KEY

RECOMMENDED USE

- Condos
- Villas
- Apartments
- Private Rooms
- Vacation Homes
- Offices

SPECIFICATIONS

COLOR	Black / Silver
MATERIAL	Aluminum Alloy, Acrylic body
BATTERY	4 x AA (optional), 1 Year Battery Life
PRODUCT SIZE	xxx
PACKAGE / WEIGHT	xxx / 2Kg
PACKAGE CONTENTS	Smart Lock, 2xKeys, 2x Cards, Tools, Manual
IP RATING	IP66 (Outdoor usage)
MEMORY	100 Fingerprints, 100 Cards & 100 Passcodes
MORTISE	Sliding Mortise included (85mm compatible)

VARIATIONS

COLOR	SIZE	TECH	STYLE
• Black	Universal	Tuya	Universal
• Silver			

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works with the Google Assistant





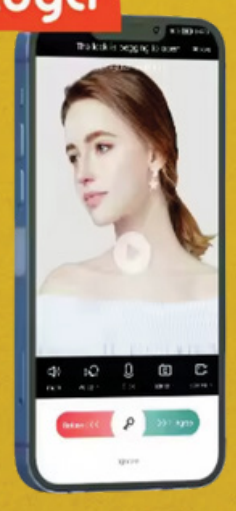
3D Face ID Camera
System & Night Vision



Video Intercom

3D Face Recognition

tuya



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Tuya and TTLock Gateways

G1 Gateway

For Smart Homes & Villas





G2 Gateway

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Muscat - Oman



Kuala Lumpur - Malaysia



Delhi - India



Mumbai - India



Columbo - Sri Lanka

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