



Cable Management Systems

ABOUT NIEDAX

NIEDAX GROUP is a global player in the field of modern cable management systems, operating in all major international markets with its head office in Linz am Rhein, Germany and a workforce of 2350 employees in 34 different countries. Being pioneered in the industry and having outstanding product knowledge for over 100 years in the industries like Thermal, Nuclear Energy, Oil & Gas, Food and Beverages, Automotive, Infrastructure, NIEDAX GROUP entered into the Indian market and in 2013 started NIEDAX INDIA CABLE MANAGEMENT SYSTEMS PVT. LTD.

Being a pioneer in providing customized solution, NIEDAX GROUP created its distinct identity in the European Market. Its 300,000m² central production facility in St. Katharinen near Linz am Rhein, Germany, is not only a home to the new technology center ALLEGRO, but also includes 10,000m² site for the most modern Hot-Dip Galvanizing plant in the Europe. To converge the same standard & quality and to deliver cost effective products within short lead time, NIEDAX INDIA has set up on similar lines, a fully-automated, state-of-the-art manufacturing facility in Bangalore, India.

Designed and developed by Niedax's global R&D team, each product is engineered with the latest technology with an objective to offer unparalleled experience to the customers. The biggest advantage of NIEDAX cable installation system is that every product is highly flexible for customization and capable of meeting various strict international standards such as ASTM, IEC, NEMA etc.



Production site: St. Katharinen



VISION

NIEDAX INDIA aspires to be the technology leader in a wide range of business segments, including all major fields of industry and supply where advanced and extensive cable routing systems are required.

MISSION

NIEDAX GROUP is based on technical innovation in electrical installation systems for over 100 years. Its evolutionary ideas for cable routing and fastening laid the foundations for many more successful innovations and set standards that have shaped the international growth of the GROUP for decades. NIEDAX INDIA aims to continue to take that graph upward and innovation is only the key to the future to achieve this goal.

TIMELINE

1920
1920 February 1st, Foundation of the company Niedergesäß & Co. OHG by Alexander Niedergesäß and Fritz Axtheilm.



Alexander Niedergesäß and Fritz Axtheilm

1925
Production plant was moved to Herzberg an der Elster in Brandenburg and Registration of the trademark "NIEDAX".



1928
The first patent for the "Niedax-Hülsen-Spreizdübel" wall plug is granted.

1935
Patent issued for the NIEDAX Row Clip.

1948
A branch was set up in Linz am Rhein.



1925 Production Plant

1950
Expropriation of the production plant in Herzberg.

1954
Patent registered for NIEDAX Yoke Clamp with hammer foot.

1970
NIEDAX acquired 280,000m² site in the St. Katharinen business park near Linz am Rhein, which accelerated production capacity in the decades that followed.

1973
Onset of the NIEDAX Cable Tray-Program.

1975
An important stage in the expansion of manufacturing facility. Company's own Hot-Dip-Galvanizing plant was commissioned this year.

- 1977

All production was moved to St. Katharinen. The administrative headquarters remained in Linz am Rhein.
- 1994

NIEDAX extends its administration. Niedergesäß & Co. builds a central warehouse for the area Berlin and Brandenburg in Brandenburg-Park, Genshagen, nearby Berlin.
- 1996

Acquisition of the Deutsche Electraplan, DEG, Underfloor Cable Management systems, Hamburg.
- 1998

Acquisition of an electroplating plant, NIEDAX Galvanik, Bonn.
Foundation and opening of own branch offices in Austria.
- 2000

Take-over of Hermann Kleinhuis GmbH & Co. KG, electrical Installation Systems, Lüdenscheid.
Foundation and opening of own branch offices in USA.
- 2001

Foundation and opening of own branch offices in Netherlands and France.
- 2002

Foundation and opening of own branch offices in Poland.
- 2003

Foundation and opening of own branch offices in Slovakia and Romania.
KHP Products in Tralee/Ireland become the official agent & distributor for Niedax in the UK & Ireland.
- 2004

Take over of RICO GmbH & Co. KG, Kirchheim/Teck.
Foundation and opening of own branch offices in Switzerland and Czech Republic.

2005

Introduction of the new board: Chairman Bruno Reufels, Alexander Horn and Rolf Luthardt.
Foundation and opening of own branch offices in Belgium, Bulgaria and Spain.

2010

Take over of EBO Systems S.A.S, Villers-La-Montagne/France and CTS Cable Tray Systems S.A.S, Béthune/France.

2012

Niedax Asia Pacific Pte. Ltd. is established in Singapore.

2013

Foundation and opening of Niedax branch office in India.
Set up of representative offices in Vietnam, Malaysia and Indonesia.
Foundation and Opening of Niedax branch office in Australia.
Acquisition of Thailand manufacturer-ACS Asia located in Rayong, Acs is now operating as Niedax (Thailand) Ltd.
Acquisition of the Dutch Manufacturer Gouda Holland B.V.

2018

NIEDAX INDIA starts its own manufacturing plant in Bangalore, India.

2019

Installation of RL 1 Machine.

2020

Anniversary 100 years of Niedax.
United Arab Emirates: Expansion of activities on the Arabian market through the establishment of Niedax Composites in Dubai.
Africa: Entry into the African market through a new sales location in Nigeria, Niedax Nigeria Ltd and in South Africa Niedax South Africa (Pty) Ltd.
Russia: Realignment of the market strategy for Russia. Construction of a new production site in St. Petersburg.
Niedax Digital New foundation of Niedax Digital located in Bonn, Germany.

2021

United Kingdom: Expansion of global activities through joint venture with majority stake in R&M Electrical Group.
USA: Expansion of activities in the American market through the acquisition of MonoSystems.

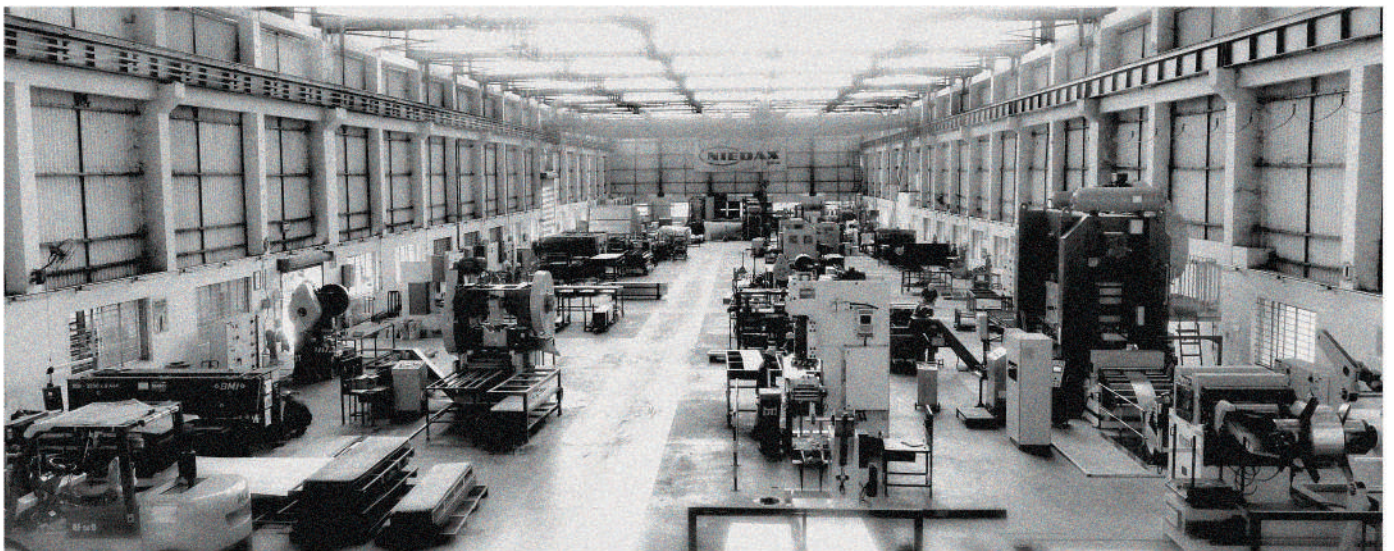
NIEDAX INDIA FACILITY

In just five years NIEDAX INDIA - a wholly-owned subsidiary of NIEDAX GmbH - grew from just a sales office to a state-of-the-art manufacturing unit with a production capacity of 15 Kms of cable management in a day. At NIEDAX INDIA, we produce more than 50,000 products that combine to form an innovative cable management system for ceilings, walls and floors in a range of industries including Oil and Gas, Power Plants, Infrastructure and Industrial Units.



Bangalore Production Site

NIEDAX INDIA has set up an innovative manufacturing unit with modern equipment which upraise & maintain the production process and products' quality considering industry requirement. All the machineries have been acquired as per the specifications of our German machineries. Find below a wide range of equipment which are used at NIEDAX INDIA.



Bangalore Production Site

NIEDAX INDIA FACILITY



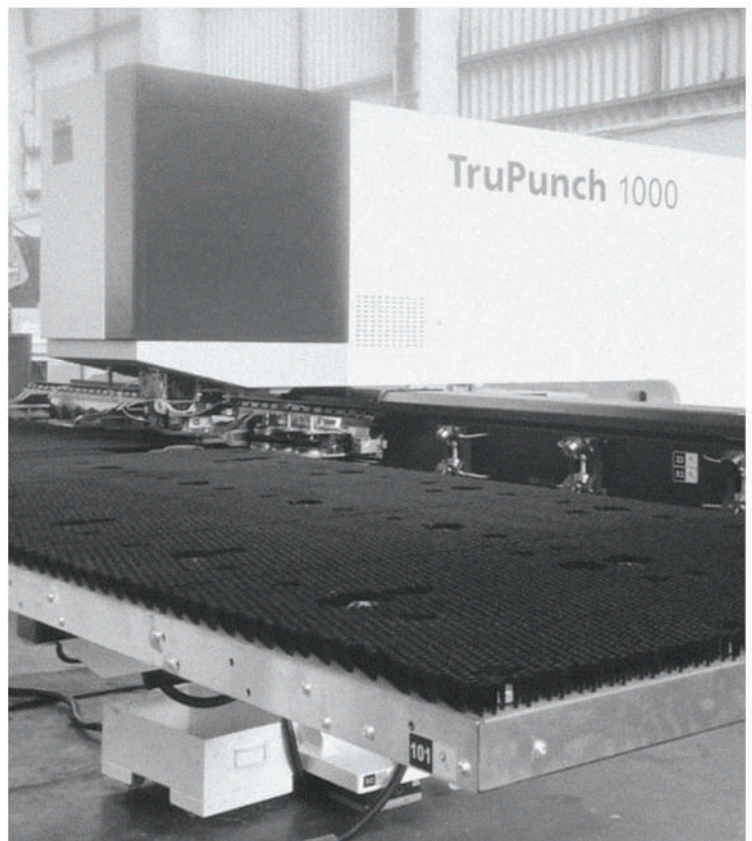
RL 1 MACHINE

Decoiler & Feeder Units
(Make-Coiltech, Turkey)
500 T Power Press Machine
(Make-ISGEC Heavy Engineering Ltd.)
Special Patented tool with hole pattern
(Make-Prabha Engineering)
Pneumatics
(Make-Festo)
Conveyors
(Make-Darsla Conveyors)
Control Panel
(Make-Enconpass (Engineered Customised Control Panel Solutions & Systems Pvt. Ltd.)
Profile Machine
(Make-ReRoll ApS, Denmark)

RL 1 is a complete automated line of machine combined with De-coiler, Straightener, Feeder, Shearing, Patented Perforation Tool, 3D logo embossing, Ejector, Scrap Conveyor, Run Out Tables and Roll Forming Line. It helps to achieve maximum accuracy in the products' dimension with unified superior product quality and helps to minimize manufacturing lead time.

TRUPUNCH 1000 PRIME EDITION (Make-Trumpf)

With the parts conveyor belt of Tru punch, punching parts are ejected in a process-reliable way. Ball tables or brush tables are available for gentle material handling. This machine offers skeleton-free processing which saves material and increases process safety. As a result of the On-Demand Drive of the Trumpf Machine, the hydraulic punching head system always works to the optimum level. This leads to reduced noise generation during non-productive times and reduces the hydraulic load of the entire system. Even The machine has a blank processing package, which allows processing blanks simply and, in a process, -reliable way. This is made possible by a second index pin and additional clamp, amongst other things. Except punching, it is also used form threads, extrude and flanges.



NIEDAX INDIA FACILITY

SHEARING MACHINE

(Make-Bajaj Machines India Pvt. Ltd.)

In house shearing machine helps to complete the shearing process to leverage on cut to size sheets and minimize wastage for cost effective manufacturing. This machine has customized options which helps Niedax to serve the customer as per their standard-cum-preferred sizes.



300 T POWER PRESS MACHINE

(Make-Sarb Presses Pvt. Ltd.)

Special patented tool with hole pattern

(Make-Prabha Engineering)

Power Press machine is used for patented perforation of Cable Trays and helps to achieve consistency in punching and good surface finish.

110 T POWER PRESS MACHINE

(Make-ISGEC Heavy Engineering Ltd.)

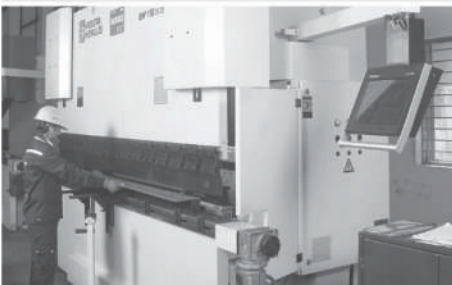
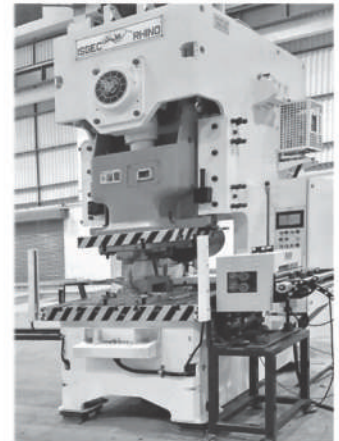
Decoiler & Feeder Units

(Make-Coitech Turkey)

Patented progressive tool with embossing feature

(Make-Prabha Engineering)

110 T Power press machine which is used for profiling, bending and forming proces of Runners & Splice Plate. It's a complete automated line with Decoiler and Feeder combined.



CNC PRESS BRAKE MACHINES-2 NOS.

(Make-Hindustan Hydraulics Pvt. Ltd.)

CNC Press Brake is used for material forming and bending process. It helps to achieve maximum accuracy in dimension upto 5mm of thickness and 3m of length.

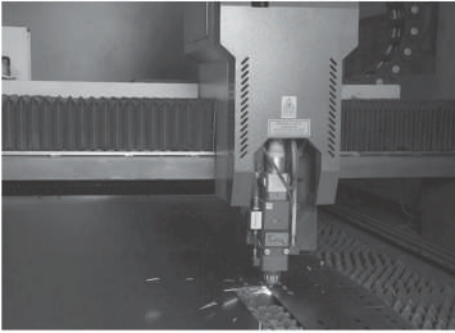
ROLL FORMING LINE 3

(Make-Digvijay Engineers)

Complete automated line with Decoilers and Feeder coupled with Roll Forming Line 3 machine is used for cutting and forming of Rungs and Strut Channels.



NIEDAX INDIA FACILITY



LASER CUTTING MACHINE (Make-Suresh Indu Laser)

This customized machine is used for Cable Tray accessories cutting purpose. One hand it helps to achieve thickness upto 8mm and in other, it gives the flexibility to achieve preferred shapes with zero percent chances of product burn. It out performs any punching machine with its high end accuracy and finish.

ROBO WELDING MACHINE WITH 6 METER WELDING TABLE & FIXTURE (Make-ABB)

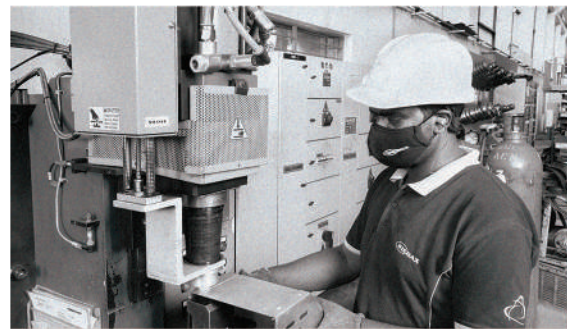
Robo Welding machine helps to achieve unified welded joints with maximum accuracy. A first of its kind in this industry.



OTHER IMPORTANT MACHINES



50 Ton Press Machine



Clinching Machine



Spot Welding Machine



Torque Machine



Tig Welding Machine



Profile Bending Machine

LEADERSHIP AND MANAGEMENT TEAM OF NIEDAX INDIA



Bruno Reufels
Chairman



Mirko Horz
Director



Arshad Hussain
Director



Saurav Sircar
General Manager - Sales & Marketing



Nandini Krishnan
Manager - Finance



Godwin Mendonca
General Manager - Production

ADMINISTRATION AND TECHNICAL TEAM



Kumar B S
Sr. Manager-Sourcing & Procurement, ERP



Bernadine Mascarenhas
Dy. Manager-International & Internal Sales



Parikshith Gowda
Regional Sales Manager-South



V. Gunashekara Reddy
Manager- HR & Administration



Payel Mazumder
Area Sales Manager-West



Chandra Bhan Pal
Area Sales Manager-North



Neelamegam S
Assistant Manager Sales - Chennai Region



Abin K Zacharia
Business Development Manager - Pan India



Chandan V Pai
Business Development Manager - Pan India



Sonali Saha
Assistant Manager - Marketing



Sekar L
Assistant Manager - Accounts



Chethan MS
Assistant Manager - ERP & Internal Sales



M. Vijaya Kumar
Senior Executive - Finance



Praveen Kumar
Assistant Manager - Design & Costing



Anand Kumar S
Manager - Production



S. Rajesh
Senior Engineer - Quality



C. Manivel
Manager - Maintenance



Vinay M
Deputy Manager - Store & Dispatch



B. Pranesh
Senior Engineer-Production Planning & Control



Someshkhaer
Design Engineer



Srinivas Murthy BV
Asst. Manager-Stores



Satish Kumar K.S
Stores Supervisor



"Since its inception NIEDAX GROUP has distinctively embedded its brand name and become synonymous with the cable management systems. At NIEDAX GROUP, we constantly put our endeavors to deliver top most quality products to our esteem customers through our vast experience & expertise in innovative product design and stringent quality process. As a CMS manufacturing specialist, we are proud to offer the widest range of cable management products.

Customer satisfaction is one of our main aspects and as a multinational organization, we aim to assure that to all our customers."



“NIEDAX GROUP has always been committed to excellence and that commitment level begins at the top. Our unwavering commitment and our mission are to redefine the cable management systems by innovation.

Over the years with extensive experience and expertise, NIEDAX GROUP has been conceded as the technology leader in a wide range of business segment, including all major fields of industry and supply where advanced and huge quantity of cable management systems are required. Being a global leader, we aim to be unabated and committed to deliver our profound expertise with our valuable customers.”



“NIEDAX GROUP has over the years, invested on its core product portfolio at various geographical presences and that together with the latest and modern manufacturing technology, upraise the NIEDAX brand to make it one amongst the leaders in the European Market.

After imprinting its strong base in Europe, NIEDAX set its journey in the Indian Market and within few years grew from just a sales office to a state-of-the-art manufacturing unit. This has been possible only because of our manufacturing expertise, strict process control, and innovative product design which make us the perfect fit in the industry. We deliver

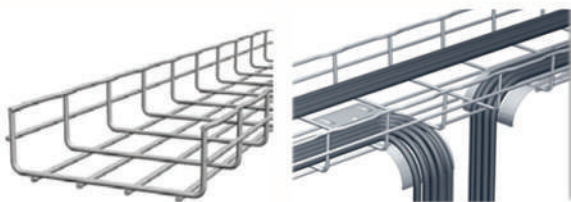
our brand promise through flexible designs, wide range, cost effective and off-the-shelf cable management solutions. Our aim is to continuously standardize the market demands and to build & maintain the NIEDAX brand value through continuous improvement and innovations.”

PRODUCTS COMPETENCIES



Cable Tray & Raceways

- Patented Profile design perforated and non-perforated Cable tray & Raceways with snap on covers.
- Supports light, medium and heavy duty cables
- Materials used are Pre-Galvanized Steel, Hot-Dip Galvanized Steel, Alu-Zinc, Stainless Steel, Powder-Coated finish



Wire Mesh Tray

- Managing variety of cables and permits ventilation of cables in a modular assembly option.
- Materials used are Pre-Galvanized wires, Hot-Dip Galvanized Steel wires, Stainless Steel wires, Electro-Plated Zinc Galvanized. Also available in Alu-Zinc as an option.



Cable Ladders

- Patented Profile design support side rails with welded and bolted options and optional snap on covers.
- Supports light, medium and heavy duty cables

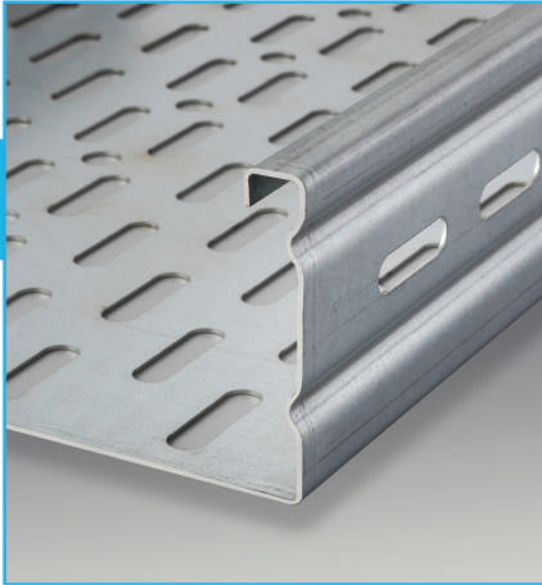


Support & Strut Systems

- Wide range of support systems for all kinds of applications
- Angle, Flat Angle, Brackets, T- Bends, 4 Way Cross Bends, Risers, Reducers and all type Fittings, Cantilever Brackets, Brackets or ceiling, floor and wall mount.
- Clamping Brackets for direct wall mount and Head Plates and Splice Plate for mounting on horizontal ceilings
- Spacer for overhead hanger.

PRODUCTS COMPETENCIES

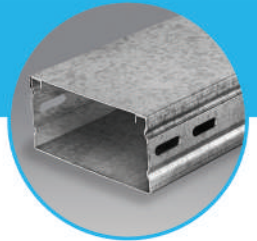
XS Range Profile Type Cable Tray



Rolled Flange For
Extra Stability



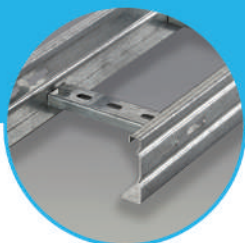
Round Hole For
Threaded Rod And Pitch
Design To Suit Multiple
Mounting Positions



Snap On
Cover

NIEDAX's Cable Management Solutions are extremely versatile and cost effective for any cabling need. The brand has wide range of tray sizes, fittings and accessories in various material thickness and finishes. Considering various requirements, applications, standardised solutions have been developed for off the shelf deliveries.

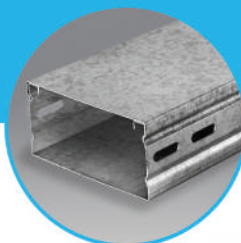
XS Range Profile Type Cable Ladder



Rolled Flange For
Extra Stability



Bottom Groove
Support Rungs To
Prevent Inwards
Bending

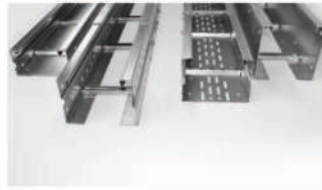
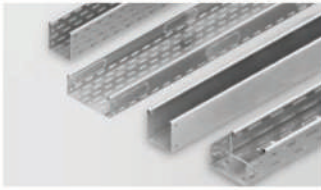


Snap On
Cover

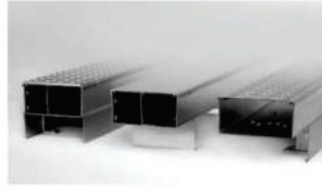
Ideal to install large volumes of heavy duty power cable. Long rung spacing means full free air rating of cables. Higher current flow can be achieved at the same cable cross section. Overheating and consecutive damaging of cables is avoided. Continuous perforation in the side rails guarantees easy mounting of the fittings. The profiled design enables high load bearing capacity with lesser sheet thickness making it very easy to handle & mount.

PRODUCTS & BRANDS

50,000 innovative articles from various brands globally



Cable tray systems.
Protective cable lines of steel & aluminium.
Electrical installation material.
Walkable cable trays.



PVC cable ducts.
Fastening and connecting elements.
Earthing material.
Potential equalization.



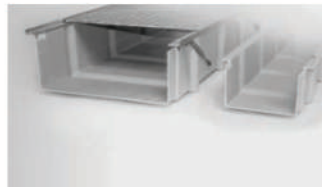
Assembly of cable support systems.
Engineering.
Project management.
Supervising.



Aluminium trunking system incl. accessories.
Mini trunking made of aluminium.
Plug and socket duct system made of aluminium,
hot-dip galvanized steel and stainless steel.



Cable trays.
Cable ducts.
Cable ladders.
Wide span cable ladders.
Marine ladders.



Pressed GRP cable ducts.
Pultruded GRP cable ducts.
GRP cable trays (UL series).
GRP support systems.
GRP cable laying system for rail transport (on the ground/raised).



Perforated and non-perforated steel cable trays.
Cable ladder systems.
Cable support systems.
Marine ladders.
Electrical installation trunkings.
Electrical installation material.



Steel cable trays.
Steel cable tray systems.
Cable ladder systems.
Support structures.



UL-certified cable laying systems made of aluminium and steel.
Electrical installation trunking.
Electrical installation material.



Consumables.
Distribution and control equipment.
Control stations and junction boxes.
Cable support systems and fixing materials.
Lighting.



Cable trays, standard and customized.
Cable trays.
Mesh cable trays.
Support structures.
Profile trays/STRUT.
Marine cable trays.

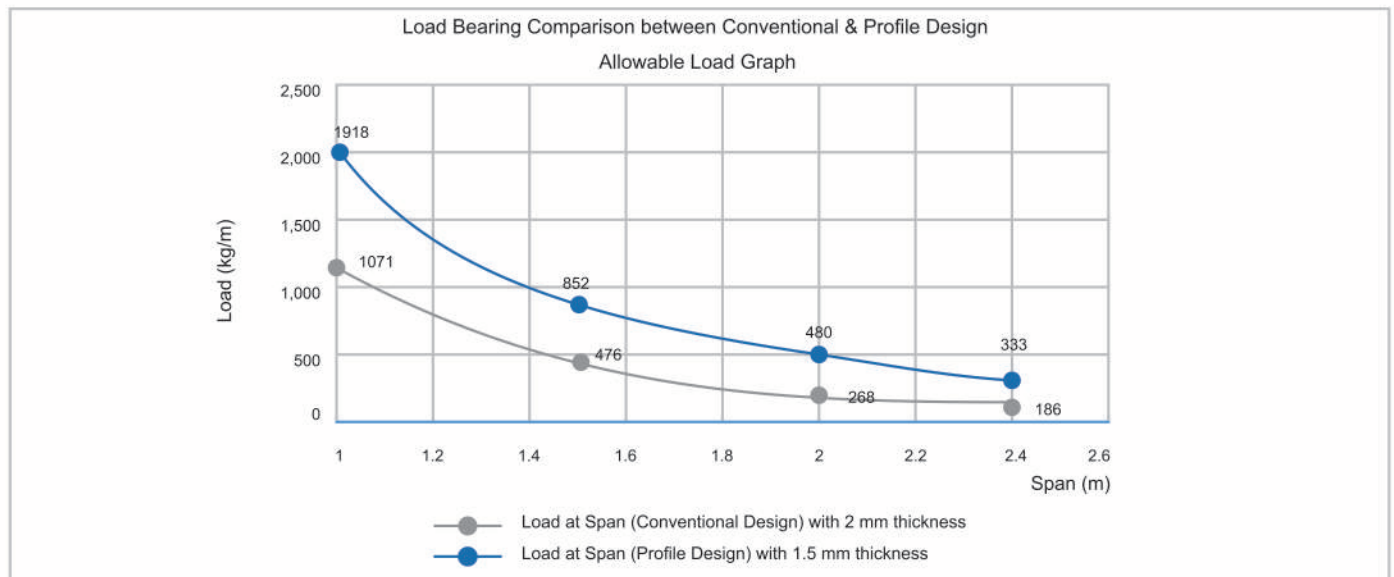


Cable tray (Perforated & Non - Perforated), wire mesh tray, support systems & strut systems.
Cable ladder (Welded, Bolted).
Cable tray systems (Steel & Alu-Zinc).
Raceways.

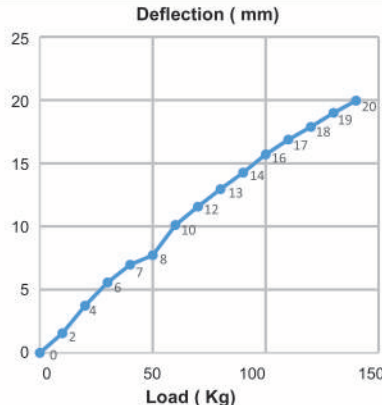


Thinner Profile Design is much Stronger than Thicker Standard Design

Test product : Perforated Cable Tray (Conventional)	Span (m)	Load at Span (kg)	Test product : Perforated Cable Tray (Profile)	Span (m)	Load at Span (kg)
Thickness : 2 mm Size of the product : 200 x 50 mm (W x H)	1	1071	Thickness : 1.5 mm Size of the product : 200 x 50 mm (W x H)	1	1918
	1.5	476		1.5	852
	2	268		2	480
	1.5	186		2.4	333

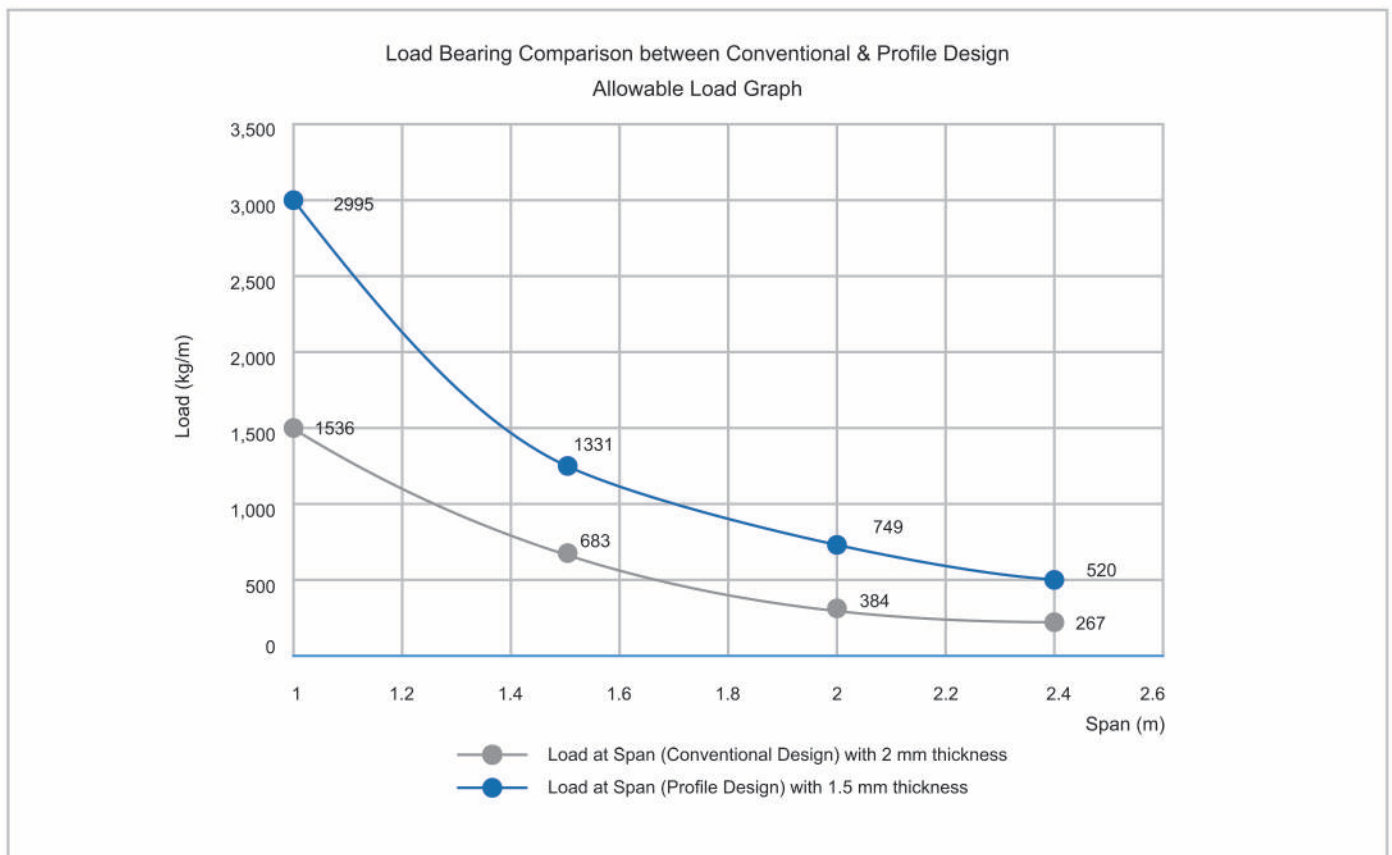


Load Bearing Test Report of Profiled Design Cable Tray

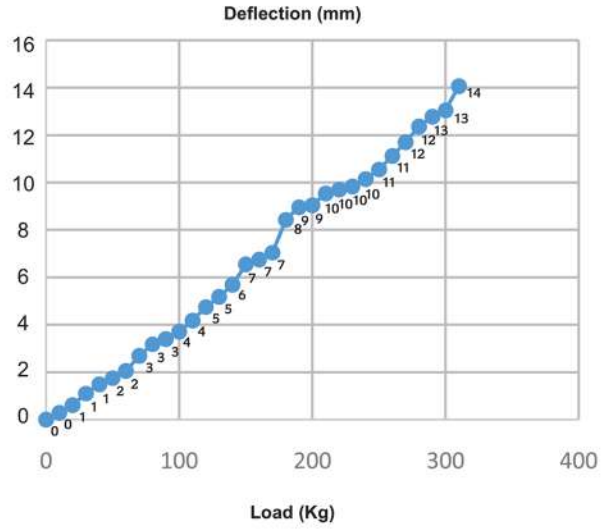
Test product : Perforated Cable Tray (Profile Type)	SI No.	Applied Load (Kg)	Deflection (mm)	Observation No Permanent Deformation Observed Permanent Deformation Observed
Size of the product : 200 x 50 x 2500 mm	0	0	0	
MOC : GI	1	10	2	
Thickness : 1 mm	2	20	4	
Span : 2400 mm	3	30	6	
Bearing : 75 mm	4	40	7	
Reference Standard : NEMA VE 1	5	50	8	
	6	60	10	
	7	70	12	
	8	80	13	
	9	90	14	
	10	100	16	
	11	110	17	
	12	120	18	
	13	130	19	
	14	140	20	
	15	Breaking load	330 kgs	

Thinner Profile Design is much Stronger than Thicker Standard Design

Test product : Cable Ladder (Conventional)	Span (m)	Load at Span (kg)	Test product : Cable Ladder (Profile)	Span (m)	Load at Span (kg)
Thickness : 2 mm Size of the product : 200 x 75 mm (W x H)	1	1536	Thickness : 1.5 mm Size of the product : 200 x 75 mm (W x H)	1	2995
	1.5	683		1.5	1331
	2	384		2	749
	2.4	267		2.4	520



Load Bearing Test Report of Profiled Design Cable Ladder

Test product : Ladder Type Cable Tray (Profile Type)	SI No.	Applied Load (Kg)	Deflection (mm)	Observation
Size of the product : 300 x 75 x 2500 mm	0	0	0	No Permanent Deformation Observed
MOC : CRCA	1	10	0	
Thickness : 1.5 mm	2	20	1	
Span : 2400 mm	3	30	1	
Bearing : 50 mm	4	40	1	
Reference Standard : NEMA VE 1	5	50	2	
	6	60	2	
	7	70	3	
	8	80	3	
	9	90	3	
	10	100	4	
	11	110	4	
	12	120	5	
	13	130	5	
	14	140	6	
	15	150	7	
	16	160	7	
	17	170	7	
	18	180	8	
	19	190	9	
	20	200	9	
	21	210	10	
	22	220	10	
	23	230	10	
	24	240	10	
	25	250	11	
	26	260	11	
	27	270	12	
	28	280	12	
	29	290	13	
	30	300	13	
	31	310	14	
	40	Breaking Load	780 Kg	Permanent Deformation Observed



EU DECLARATION OF CONFORMITY
(As per Low Voltage Directive 2014/35/EU Annex III – Para 3)

Manufacturer/Assembler: Niedax India Cable Management Systems Private Limited
Plot No. 143/C-4, Bommasandra Industrial Area,
Hosur Road, Anekal Taluk, Bangalore, Karnataka – 560 099 (INDIA).
Tel No.: +91-80-29766811
Web: www.niedax.co.in

Description of Items: Cable Trays and Allied Accessories with support systems.
(SS, HDG, Powder coated & Pre-Galvanized Type)
Intended Application: To support insulated cables.


We, Niedax India Cable Management Systems Private Limited, Bangalore hereby declare that the above product (Cable Trays and Allied Accessories with support systems) fulfills all of the relevant requirements of applicable EU Directive and details of which are contained in the Technical Construction File

EU Directive Applied :
Low Voltage Directive 2014/35/EU

The following harmonized standard were used.
EN 61537:2007 : Management - Cable Tray Systems and Cable Ladder Systems.

This said product shall not be put into service along with any other equipment without establishing the conformity of the same to the corresponding EU directives.

The criteria for selection safety requirements of other associated equipments and installation guidelines are detailed in the Instruction Manual.

Marking: 

Year of First CE Marking: 05/2019

Year of Manufacture: 03/2018

AUTHORIZED SIGNATORY:

Name : Mr. Arshad Hussain
Position : Managing Director
Date. : 29.05.2019
Place : Bangalore

Signature 

**First CE
Certified
Cable Tray
Manufacturer
in India...**





NIEDAX
TEST REPORT**Report No. : MAN:HL:1348005583****DATE : 15th July, 2022**

NIEDAX INDIA CABLE MANAGEMENT SYSTEM PVT. LTD
 143/C-4 BOMMASANDRA INDUSTRIAL AREA HOSUR MAIN ROAD
 ANEKAL TALUK, BANGALORE- 560099
 INDIA
CONTACT PERSON : AADITH

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	HOT DIP GALVANIZED CABLE TRAY
COLOUR	ZINC BLUE
ORDER NO.	202205/01559
COUNTRY OF DESTINATION	INDIA
COUNTRY OF ORIGIN	INDIA
SAMPLE RECD ON	28/06/2022
TEST PERFORMING DATE	28/06/2022 TO 14/07/2022

TEST REQUESTED Two hundred and twenty-three (223) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 17, 2022 regarding Regulation (EC) No 1907/2006 concerning the REACH.

SUMMARY:

According to the specified scope and analytical techniques, concentrations of tested SVHC are \leq 0.1% (w/w) in the submitted sample.

PASS**TEST METHOD & RESULT(S)** PLEASE REFER TO NEXT PAGE(S)

Per Pro SGS India Pvt. Ltd.


SANDIP BHUSHAN (Technical Manager)**Authorized Signatory**Email your Test Report Related Enquiries at Feedback.HLT@ss.com

NIEDAX

JOE No. : 2248802458

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Control No.:1348507636

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SGS India Pvt. Ltd

Connectivity and Products, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7800

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BUREAU
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Bureau Veritas Certification

**NIEDAX INDIA CABLE MANAGEMENT
SYSTEMS PVT. LTD.**PLOT # 143/C-4, BOMMASANDRA INDUSTRIAL AREA, HOSUR ROAD,
ANEKAL TALUK, BANGALORE – 560 099, KARNATAKA, INDIA.

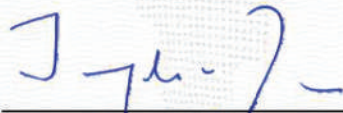
Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System standards detailed below.

*Standards***ISO 9001:2015 & ISO 45001:2018***Scope of certification***DESIGN, DEVELOPMENT, MANUFACTURING AND SUPPLY OF
CABLE SUPPORT SYSTEMS.**

Original cycle start date: **15 October 2020**
Expiry date of previous cycle: **Not Applicable**
Certification Audit date: **25 August 2020**
Certification cycle start date: **15 October 2020**

Subject to the continued satisfactory operation of the organization's Management System,
this certificate expires on: **14 October 2023**

Certificate No. **IND.20.3212/IMU** Version : 1 Revision date: **15 October 2020**



Signed on behalf of BVCH SAS – UK Branch
Jagdheesh N. MANIAN
Head – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division

Certification body address: **5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom.**

Local office: **Bureau Veritas (India) Private Limited (Certification Business)**
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",
Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call **+91 22 6274 2000**.




**BUREAU
VERITAS**

 Ref: BVIPL: SPL: BL/873(b)/3/2018
 Test Order dated: 10.3.18

Date : 14.3.2018

 M/s Niedax India Cable Management Systems Private Limited
 # 1007, Level 10, Prestige Meridian I
 No. 29, M.G. Road, Bangalore 560 001

TEST REPORT ON CABLE TRAY SAMPLE

Source of sample	:	Sample supplied by the customer
Customer Reference	:	Letter dated 10.3.18
UIN	:	18008649
Project*	:	Not furnished
Date of test	:	13.3.18
Sample description*	:	Perforated Cable Tray
Size of the sample*	:	400 (W) x 100 (H) x 2500 mm (L) & 2 mm thick
Span	:	2350 mm
Bearing	:	75 mm
Condition of sample	:	Satisfactory
Test Method	:	NEMA VE 1 (National Electrical Manufacturers Association)

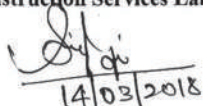
LOAD TEST :

Sl. No.	Applied Load (kg)	Central Deflection (mm)	Observation
1	0	0	No Permanent Deformation Observed
2	20	0.81	
3	40	1.73	
4	60	2.75	
5	80	4.32	
6	100	19.07	
7	120	23.58	
8	120 kg (After 15 minutes)	23.58	
9	Residual (0 kg) (After 15 minutes)	0.89	Permanent Deformation Observed
10	Max. Failure Load (kg)	900	

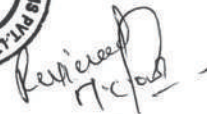
* As furnished by the customer

- Note:
1. The results relate only to the items tested.
 2. Report shall not be reproduced, except in full, without the written approval of the lab.
 3. Any correction invalidates this report.

 for **BUREAU VERITAS (INDIA) PRIVATE LIMITED**
 Construction Services Laboratory



14/03/2018
SANJEEV PATGAR
 Manager LAB

Bureau Veritas (India) Private Limited
 (Construction Services Laboratory)
 43, 45-47, Pete Chennappa Inds. Estate, 1st Main
 Magadi Road, Kamakshipalya, Bangalore - 560 079
 Tel.: +91 80 23011800 Fax: +91 80 26716833
 bangalore.lab@in.bureauveritas.com

Regd. Off. : 72 Business Park, Ground Floor
 Marol Industrial Area, MIDC, Cross Road 'C'
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 Surat, Trichy & Visakhapatnam



Ref: BVIPL:SPL: BL/875(b)/3/2018
 Test Order dated: 10.3.18

Date : 13.3.2018



M/s Niedax India Cable Management Systems Private Limited
 # 1007, Level 10, Prestige Meridian I
 No. 29, M.G. Road, Bangalore 560 001

TEST REPORT ON CABLE TRAY SAMPLE

Source of sample : Sample supplied by the customer
 Customer Reference : Letter dated 10.3.18
 UIN : 18008650
 Project* : Not furnished
 Date of test : 12.3.18
 Sample description* : Ladder Type Cable Tray
 Size of the sample* : 300 (W) x 75 (H) x 2500 mm (L) & 2 mm thick
 Span : 2350 mm
 Bearing : 75 mm
 Condition of sample : Satisfactory
 Test Method : NEMA VE 1 (National Electrical Manufacturers Association)

LOAD TEST :

Sl. No.	Applied Load (kg)	Central Deflection (mm)	Observation
1	0	0	No Permanent Deformation Observed
2	40	2.15	
3	80	4.10	
4	120	6.15	
5	160	7.65	
6	200	9.45	
7	240	11.00	
8	280	12.70	
9	320	14.50	
10	360	16.20	
11	400	17.85	
12	440	19.10	
13	460	20.12	
14	460 kg (After 15 minutes)	20.12	
15	Residual (0 kg) (After 15 minutes)	1.4	
16	Max. Failure Load (kg)	720	Permanent Deformation Observed

* As furnished by the customer

- Note: 1. The results relate only to the items tested.
 2. Report shall not be reproduced, except in full, without the written approval of the lab.
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for **BUREAU VERITAS (INDIA) PRIVATE LIMITED**
 Construction Services Laboratory



13/03/2018
SANJEEV PATGAR
 Manager LAB
 Bureau Veritas (India) Private Limited
 (Construction Services Laboratory)
 43, 45-47, Pete Chennappa Industrial Area
 Magadi Road, Kamakshipalya, Bangalore - 560 079
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STANDARDS & CERTIFICATES

Omega Inspection & Analytical Laboratory
 T.S. No. 57, 58 & 35, 36 GUINDY INDUSTRIAL ESTATE, GUINDY, CHENNAI - 600 032, TN, INDIA.
 ISO/IEC 17025 : 2005 Accredited by NABL, (A Constituent Board of Quality Council of India)
 For Chemical, Mechanical, Metallurgy, NDT, Water, Building Materials Test Etc.,
 SINCE 1989

Test Report Page 1 of 1 Report Date : 02-03-2019

Customer: M/S NIEDAX INDIA CABLE MANAGEMENT SYSTEMS PVT. LTD., Plot No.143/C-4 Bommasandra Industrial Area, Hosur Road Anekal Taluk, Bangalore - 560099	TR.No. : OIAL/2019/02-1389 Sample Details : 300 x 50 x 2mm Thk Sheet Sample material : IS 2062 Gr.E250A
Our Ref. TOCR No : 19-852 Dt.27.02.2019 Party's Ref : DC No.268 Dt.27.02.2019 Nature of Test : CHEMICAL & MECHANICAL TEST Test Method : ASTM E 415-17, IS 61253-02 IS 1608-P1-18	ULR No: TC624719000002621P Sample Drawn By : Customer Test Started On : 28-02-2019 Test Completed On : 02-03-2019

Test Results

EQUIPMENT USED : QES-FOUNDRY MASTER-PRO, OXFORD, GERMANY


SPEC. FOR IS:2062/2011 Gr.E250 Quality "A"				ACTUAL VALUES	
	Min.	Max.			
CARBON	0.23	0.23	%	0.13	%
MANGANESE	1.50	1.50	%	0.56	%
SILICON	0.40	0.40	%	0.12	%
SULPHUR	0.045	0.045	%	0.015	%
PHOSPHOROUS	0.045	0.045	%	0.014	%
CE	0.42	0.42	%	0.31*	%


EQUIPMENT USED : UTM, Model : UTM 40.SR No.: 11/98 - 2450, Make : FIE.

SPEC. FOR IS:2062/2011 Gr.E250 Quality "A" (MIN)				ACTUAL VALUES	
TENSILE STRENGTH IN MPa	410	488		410	488
YIELD STRESS IN MPa	240	339		240	339
ELONGATION IN GL OF 50mm	23	34	%	23	34

REMARKS : THE ABOVE SAMPLE CONFORMS TO IS:2062/2011 Gr.E250 Quality "A" WITH RESPECT TO THE TESTED PARAMETERS CONCERNED.

CONCLUDED


 K.M. BALASUBRAMANIAN
 CHIEF EXECUTIVE OFFICER
 Authorized Signatory


 H.R. RAMESH
 ENGINEER
 Tested / Verified By

Note : Certified that the test enumerated above have been carried out in conformity with standard Testing procedures and relevant specifications. The Certificate refers ONLY to the particular sample(s) submitted for Test. Specifies non accredited range. The sample details are as per customer description. All Complaints about this should be communicated in writing within 15 days from the date of issue of this report. The report shall not be reproduced in part full without the approval of OIAL.
 Form No. QF-5-10-01

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Test Report Page 1 of 1 Report Date : 28-02-2019


Customer: M/S NIEDAX INDIA CABLE MANAGEMENT SYSTEMS PVT. LTD., Plot No.143/C-4 Bommasandra Industrial Area, Hosur Road Anekal Taluk, Bangalore - 560099	TR.No. : OIAL/2019/02-17606 Sample Details : 200 x 50 x 500mm (2mm Thk) HDG Perforated Cable Tray Sample
Our Ref. TOCR No : 19-7488 Dt.27.02.2019 Party's ref : DC No.269 Dt.27.02.2019 Nature of Test : Physical Test Method : AS per customer spec IS 2629-85 (A94)	Sample Drawn By : Customer Test Started On : 28-02-2019 Test Completed On : 28-02-2019


Test Results

SL. NO	TEST PARAMETERS	METHOD	RESULTS
1.	FLAME TEST (500 ± 2° FOR 1 HOUR) CHEST	NEPA 130	NO DEFORMATION NOTICED ON THE COATED SURFACE
2.	ADHESION TEST (PIVOTED HAMMER TEST)	IS 2629-85 C16.4.1	NO REMOVAL OF COATING NOTICED ON THE COATED SURFACE
3.	PEEL TEST (SAMPLE SIZE : 50x100x2mm)	IS 2629-85 C16.4.1	NO DEPOSITION OF COPPER TILL 4 SUCCESSIVE ONE-MINUTE DIPS

CONCLUDED

WITNESSED BY : Mr. MANIKANDAN, QA OF M/S.VOLTAS LTD, CHENNAI,
 Mr. ARUN, QA M/S.VOLTAS LTD, CHENNAI,
 Mr. CHOWDE GowDA, QA OF M/S.NIEDAX INDIA, BANGALORE,
 Mr. PARIKSHITH GowDA, PSM OF M/S.NIEDAX INDIA, BANGALORE.


 P. DHANASEKARAN
 Tested / Verified By


 K.M. BALASUBRAMANIAN
 CHIEF EXECUTIVE OFFICER
 Authorized Signatory

Note : Certified that the test enumerated above have been carried out in conformity with standard Testing procedures and relevant specifications. The Certificate refers ONLY to the particular sample(s) submitted for Test. Sample description is not verified in all cases and is given as described by Customer. All Complaints about this should be communicated in writing within 15 days from the date of issue of this report. The report shall not be reproduced in part full without the approval of OIAL.
 Form No. QF-5-10-01A

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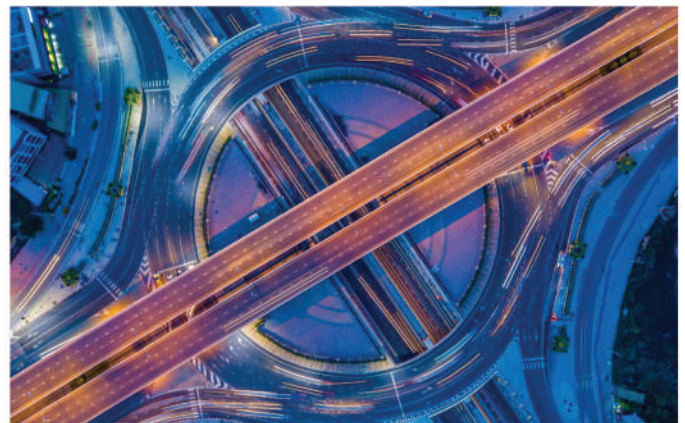
Oil & Gas



Power (Conventional & Nuclear)



Tunnel / Mining



Infrastructure



Automotive

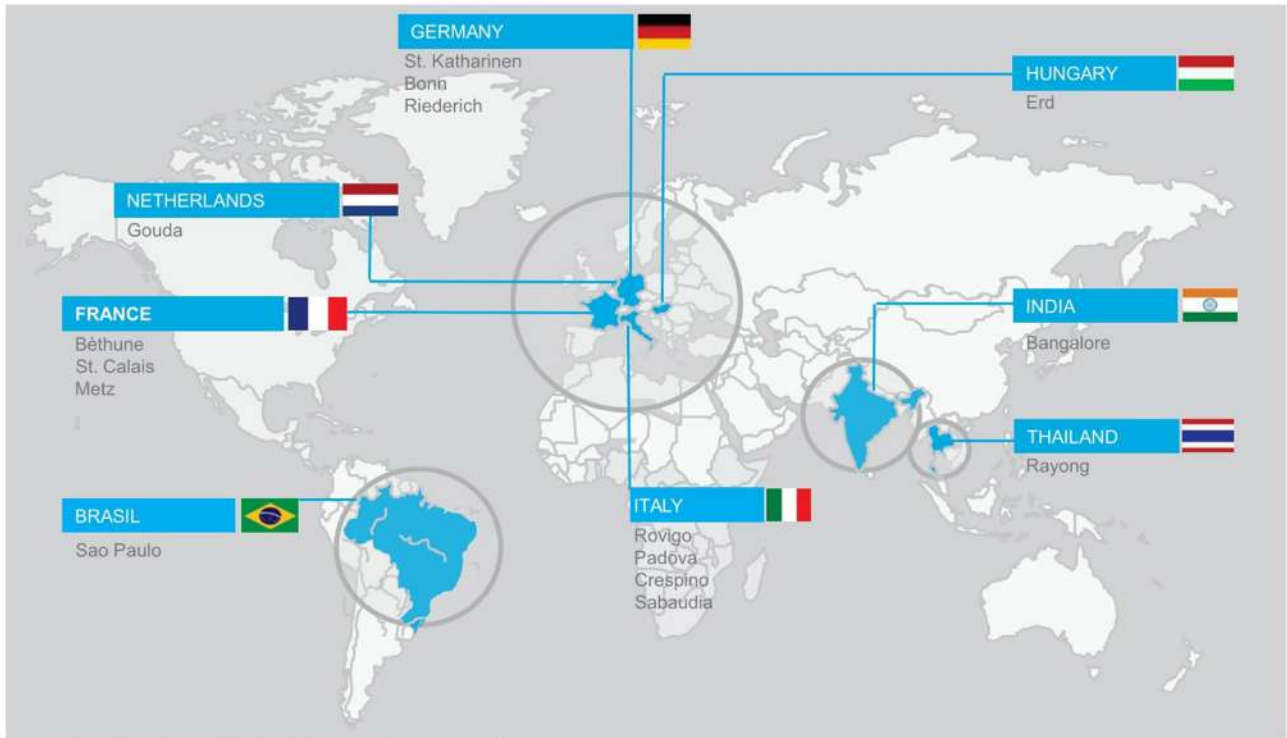


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Niedax India Cable Management Systems Pvt. Ltd.

Corporate Office: Plot No.143/C-4. Bommasandra
Industrial Area, Hosur Road, Anekal Taluk, Bangalore - 560099
Mob: +91-99-8642-8428/ +91-90-0137-4307
Tel: +91-080-4116-1385 | info@niedax.co.in | www.niedax.co.in