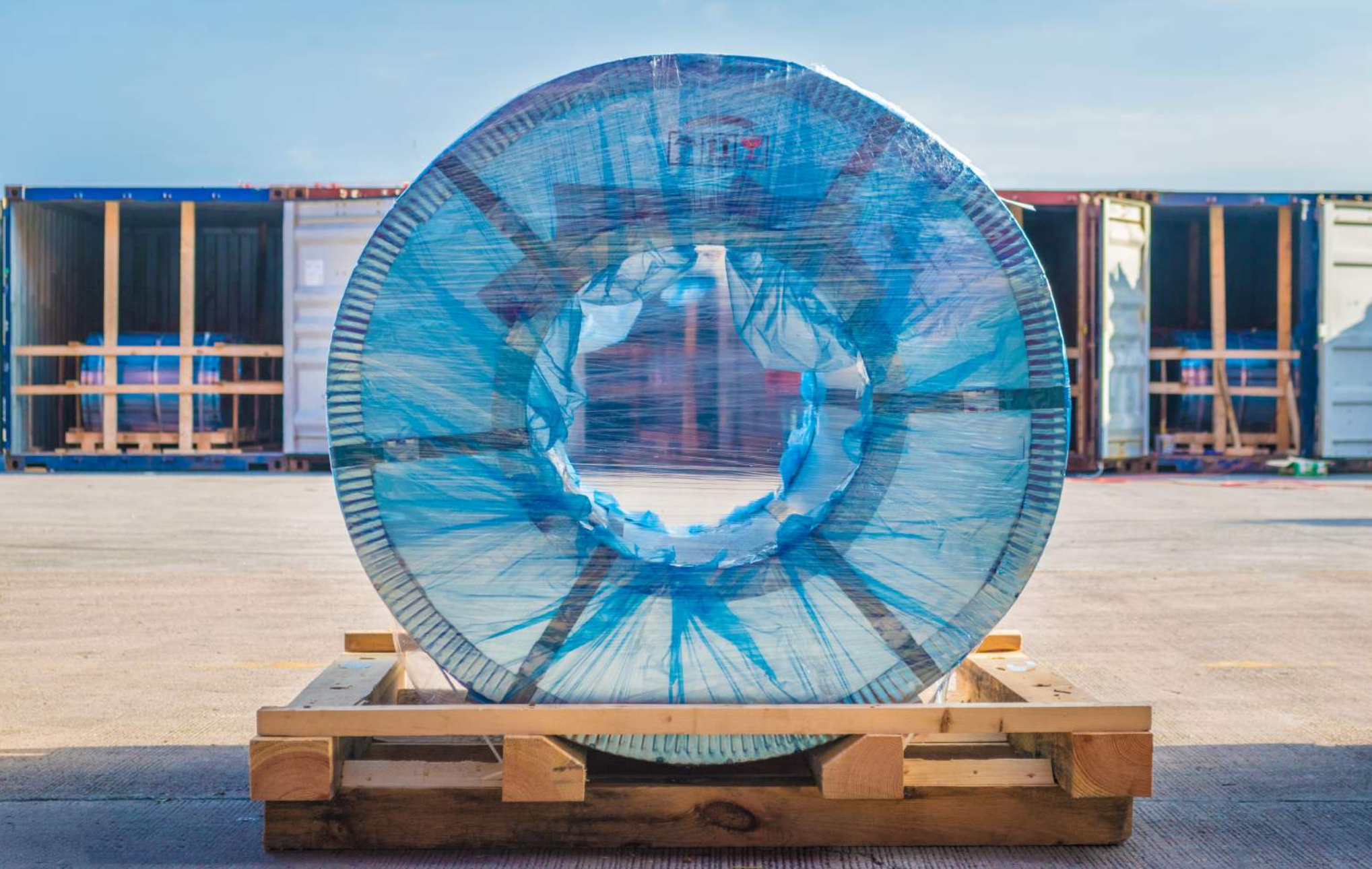


Corrosion Prevention Specialists



About us

Who are we ?

From the Management

people who strive for excellence



- Hi-Tech International a part of 39 year old group, with its flagship brand RUST-X, is one of the leading manufacturers of corrosion prevention products and solutions globally.
- We are a vertically integrated manufacturer
 - 600+ Corrosion protection products and solutions including Rust prevention chemicals, Oils & Coatings, VCI Master batches, VCI Film/Paper/Fabric, and VCI Desiccants & Emitters
 - Manufacturing facilities (owned/ licensed) across 4 continents – in India, USA, France, Italy and China
 - Warehouses/ channel partners across 45 countries that provide it with an easy access to over 10,000 customers worldwide.
 - Strong workforce of around 1150 people,
 - 250+ technically trained Rust Doctors,
 - **Large team of Polymer and Chemical engineers and scientists**
 - Supported by 100+ corrosion engineers enable it to propose the right technical product and solutions to Clients and provide service worldwide at a 24-48 hours notice.
- 16 Patents & Patents Pending and 28 trademarks in 32 countries
- ISO 9001/ ISO 14001 certified.
- The products of the Company are USFDA (SGS) , REACH approved and ROHS compliant.

Global Plants



California, USA



Lyon, France



Dubai



Italy



Germany



complete packaging and corrosion prevention

technology that helps your business to grow efficiently



Plant 8 - 200,000 sq ft

HI-TECH GROUP

In house machine manufacturing and design capability

12000 MT per annum film manufacturing capacity

1150 Team Members Globally

140+ Sales and Service Managers

24 x 7 Office and Online Support

7 manufacturing plants in India

1 Plant each in USA, Mexico & Italy

Punjab



Delhi, NCR



Delhi, NCR



Mumbai



Chennai



Revenue

- Group Turnover - \$76.5 mn

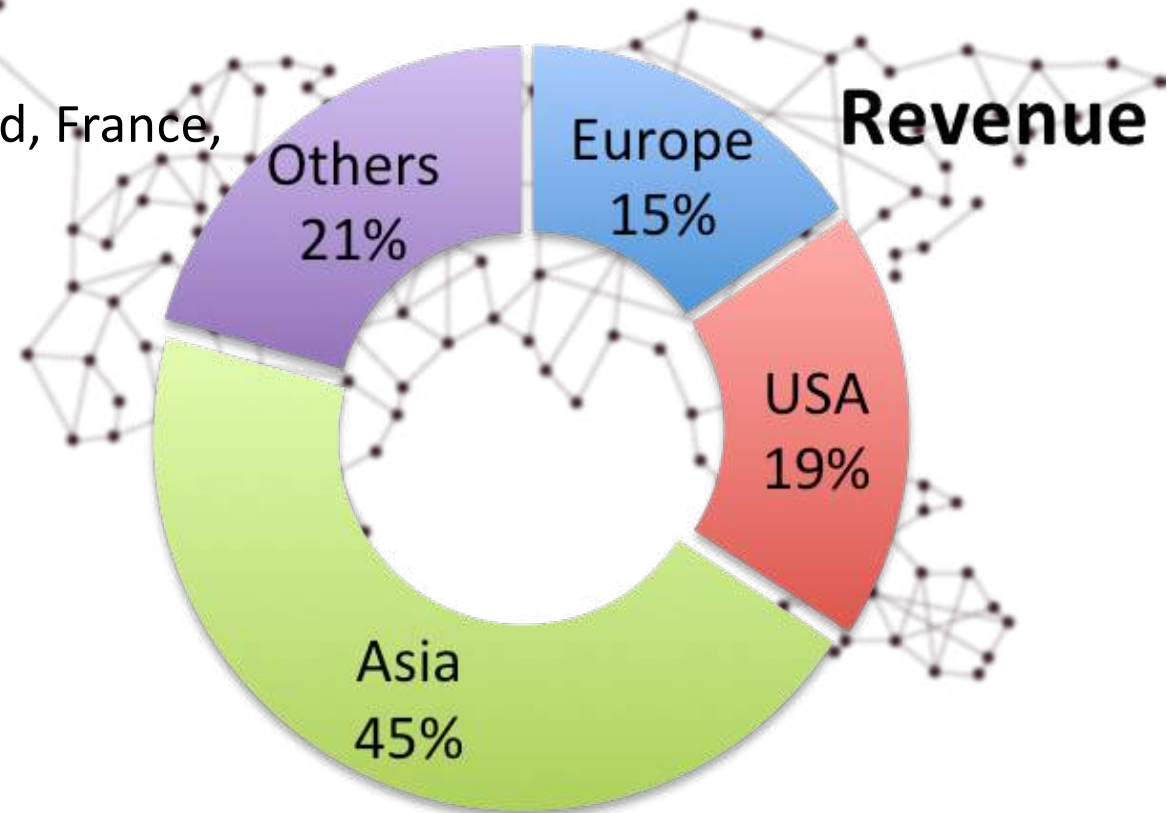
- Rust-X Europe (Italy, Finland, France, Germany) - \$10 mn

- RustX RDM USA - \$6 mn

- Rust-X India- \$18 mn

- RustX Exports - \$7mn

- Tuff, Fillezy - \$ 7 mn



Steel Clients



Automotive Clients

OEM's



Auto Components



Steel Mills

Heavy Equipment, Power, Turbines

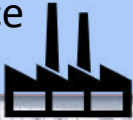


Infrastructure



Tour of Mfg Plant No 8

600,000 Sq ft
Manufacturing
Space



1150
Workforce



18,000 MT per
annum
Capacity

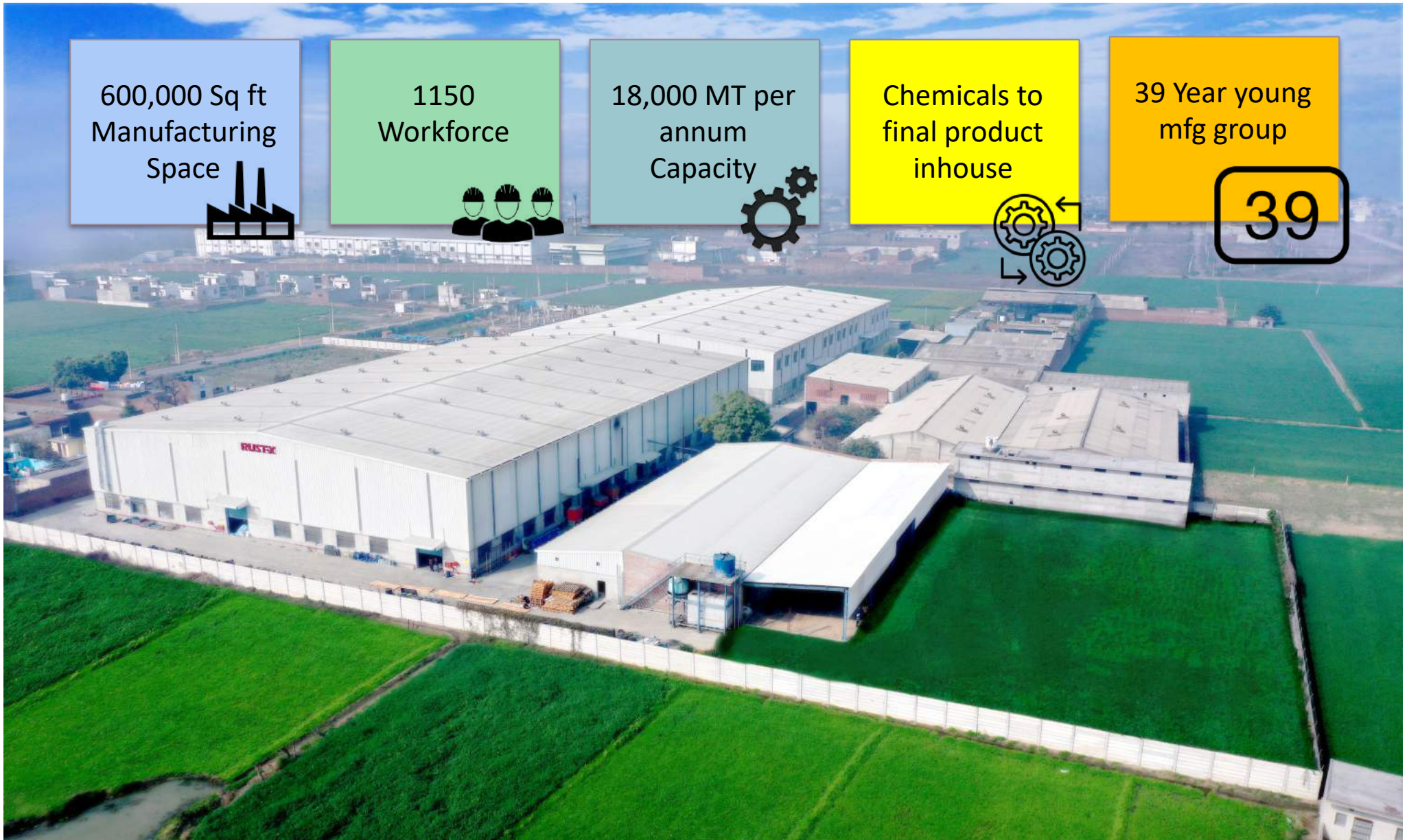


Chemicals to
final product
inhouse



39 Year young
mfg group

39



Fabric Coating and Printing

VCI Paper Coating



160" 2 colour printing
96" 3 colour printing
VCI HDPE PAPER
VCI Scrim Paper
VCI Papers
VCI Strength Fabrics

VCI Scrim Stretch Manufacturing

Extrusion CoEx



Scrimming



Lamination



Rewinding



Slitting



Export



32 Blown film & 2 Cast extruders | Scrim Stretch Film | VCI Films

Chemicals Manufacturing

VCI MASTERBATCH Manufacturing



RP Oil Blending



Aluminum Foils



Other products

VCI Donuts



VCI Coil Caps



VCI Strength Fabric



ID Rings



Multi Colour printed Sheets



Yotex Outer wrap



Custom Coil Caps



Solution for Steel Coils



- HDPE/PP Strength Fabric
- HDPE + VCI Reinforced Paper
- Power Stretch Film
- Scrim Tight Stretch Film
- VCI Paper
- VCI Crepe Paper
- Coil Caps
- Yotex

VCI Scrim Film

Extra tight

Scrims for excellent reinforcement

VCI that passes razor blade and VIA Test



- VCI Corrosion Protection from RUST-X
- Very High Strength
- 800%Elongation
- Superior Puncture Resistance
- High Tack for Better Cocooning
- Excellent Moisture & Water barrier
- 2ColourCustomprinting
- VCI Stretch Film conforming to TL 8135-0043 and German Razor Blade
- Scrim Reinforcement for higher tear resistance & strength
- High Tack for Better Cocooning
- Excellent Moisture barrier & Water barrier properties

Scrim Paper



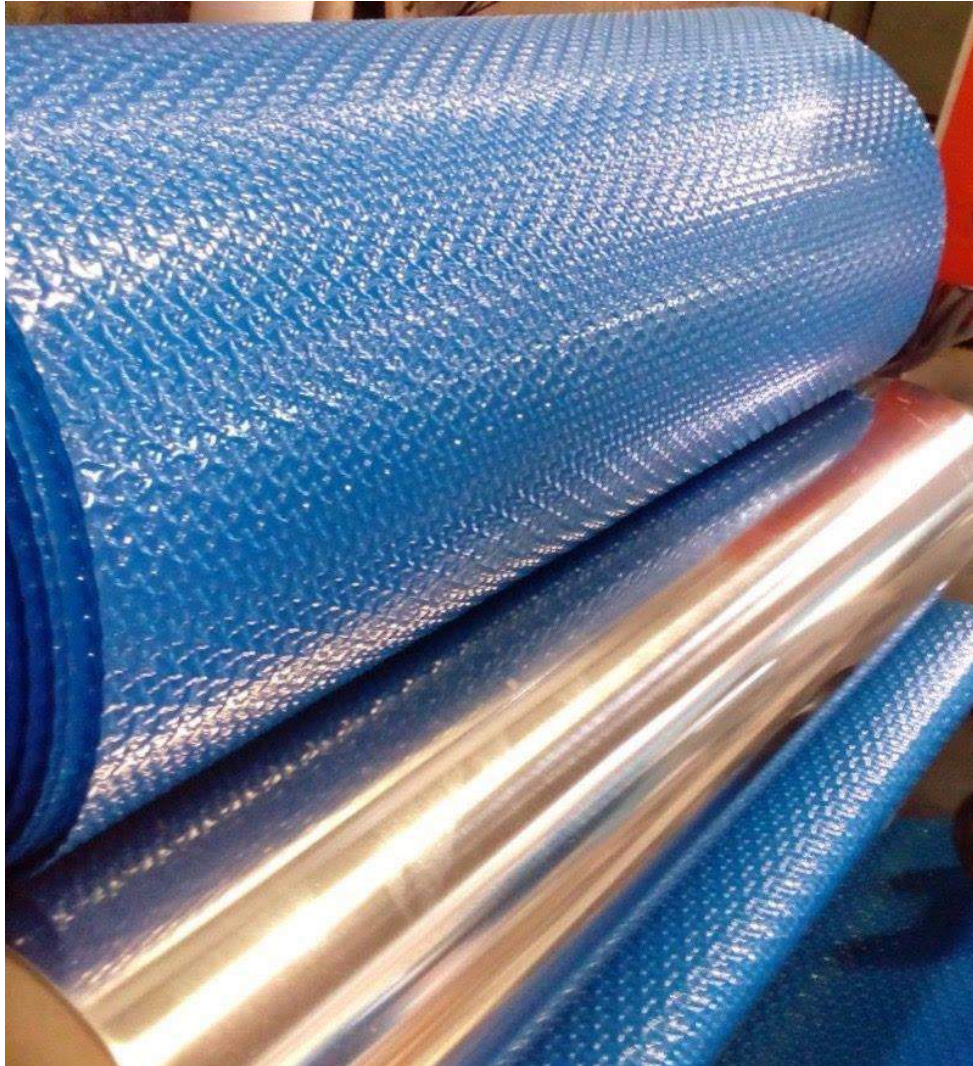
- VCI Scrim paper
- Paper with lamination and scrim reinforcements
- High puncture strength

VCI Strength Fabric



- Width Available from 2 inches – 3.5 meter
- Exceptionally High Tensile Strength
- Superior Tear & Puncture Resistance
- Fully Recyclable
- Printing option up to 3 colours
- Available in various GSM options

Yotex



- 500 GSM PP Sheet with embossing
- Pseudo thickness of 5 mm +
- Provides high impact resistance to steel rolls
- Prevents transit or rolling damage

VCI Crepe Paper



- 120 gsm – Crepe Paper
- 150 gsm – Laminated Crepe
- VCI properties
- Made from 70 GSM base paper
- Elongation upto 150%

COMPETITOR

RUST-X[®]
REST WITHOUT RUST



Competitor Vs Rust-X



Certificates

ISO 9001

ISO 140001

VCI Plastic Patent

REACH

ROHS

Certificate

Standard: **ISO 9001:2008**
 Certificate Ref: **85 100 001 14041**
 Certificate Holder: **Hi-Tech International**
 8-31, Opp. Power House, Jamnagar, Chandigarh Road, Ludhiana - 141 319, Punjab, India.
 Scope: **Manufacture of Rust Preventive VCI Plastic Sheets and Supply of Lubricants & Greases.**

An audit was performed, Report No. 1607. Proof has been furnished that the requirements according to ISO 9001:2008 are fulfilled.
 The due date for all future audits is 07-03 (08.09.2015)

Validity: The certificate is valid from 01/10/2012 until 01/10/2015.



Certificates



Indian Sites

- 6 Strategically located manufacturing facilities provide access to clients in key industrial areas across India



Gurgaon



Ludhiana

- Of these the Ramgarh, Punjab plant is the largest facility contributing to almost 40 % of the revenue



Mumbai



Chennai



The Technology

RUST-X[®]
REST WITHOUT RUST

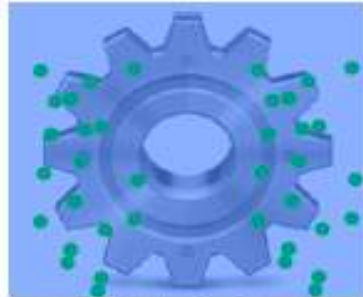


SMP VCI Technology

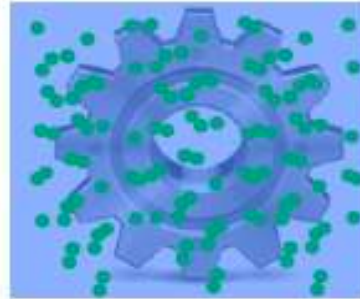
Speedy Moisture Passivation



VCI Bag is opened



VCI Emissions
Start in seconds



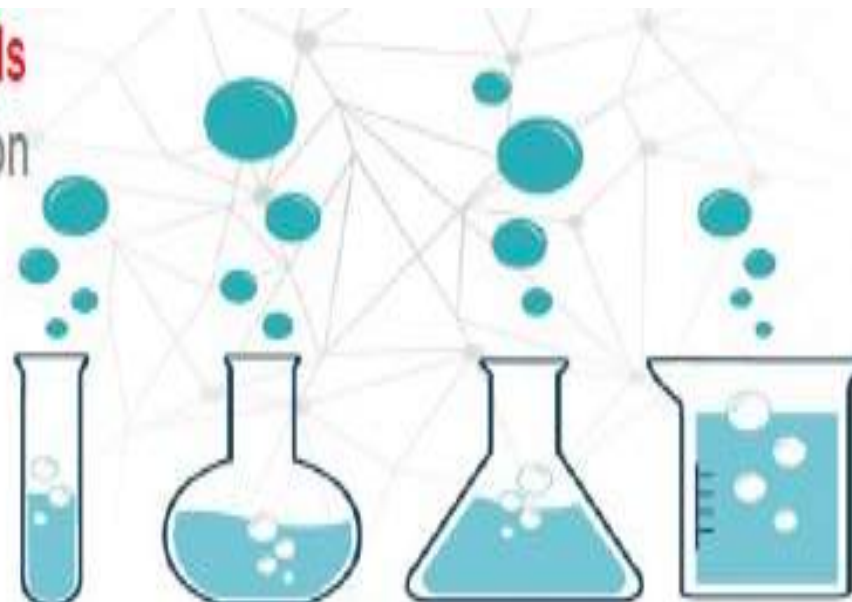
20% is evaporated in 6
hours and 80% over



Works upto a distance
if 350 mm

Combination of 5 different chemicals

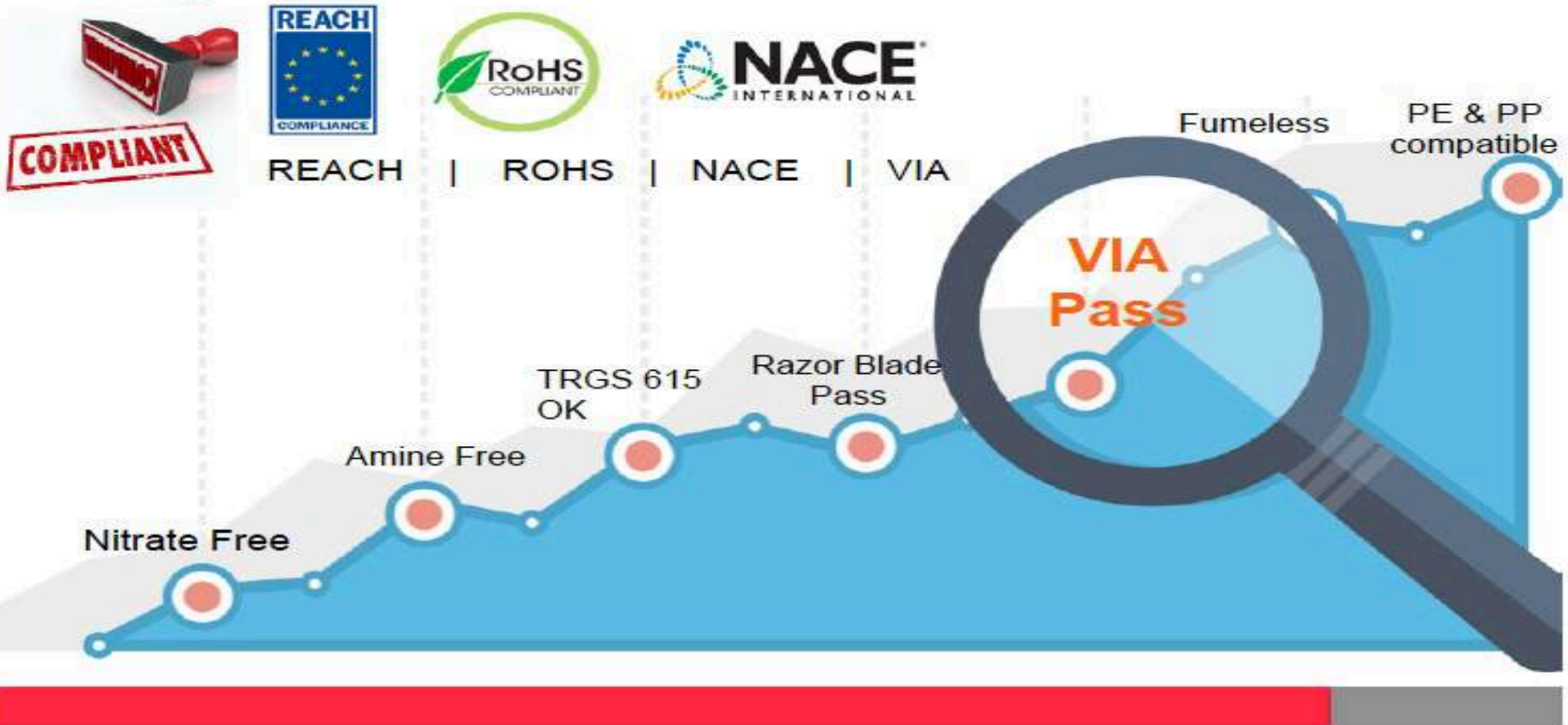
1. Speedy Chemical – Faster action
2. Longevity Chemical
3. Multimetal Chemical
4. Film forming Chemical
5. Sub Zero Action Chemical



RUST-X[®]
REST WITHOUT RUST

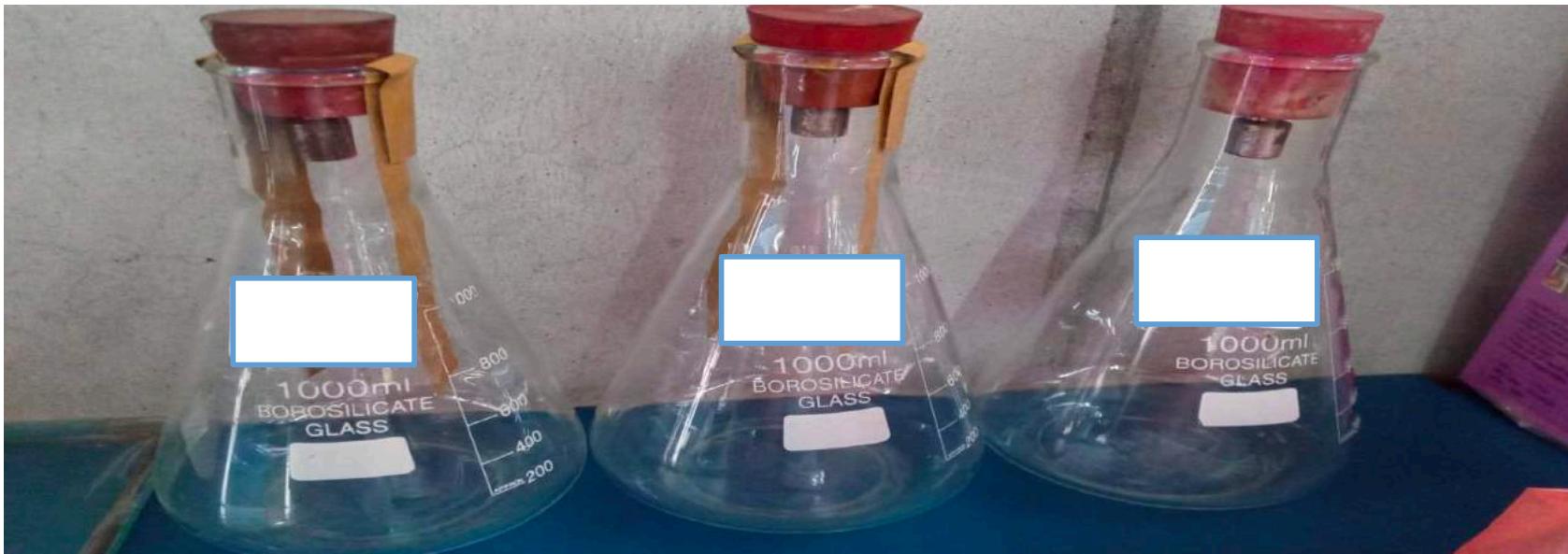
RUST-X
REST WITHOUT RUST

Key Features



Is the VCI acting in Vapor Phase

German VIA Test Result in 24 hours



Evaluation of the test objects



Keine korrosionsschützende Wirkung



Geringe korrosionsschützende Wirkung



Mittlere korrosionsschützende Wirkung



Gute korrosionsschützende Wirkung

Corrosion protection effect

None (Grade 0)

Slight (Grade 1)

Middle (Grade 2)

Good (Grade 3)

Rust-X VCI film "RUST-X VCI FILM"	Test objects	
	Control sample (without VCI)	Protected samples with VCI film
Evaluation		
Corrosion protection effect		3 3 3 Grade 3 Good corrosion protection effect

RUST-X INDIA TEAM

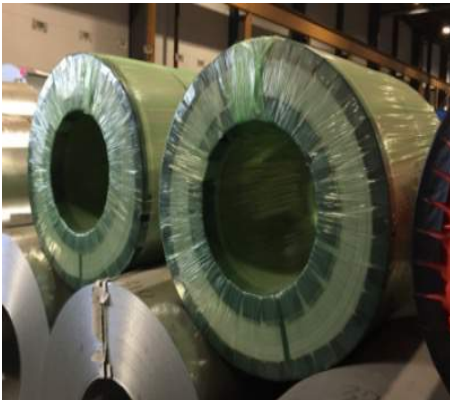


Rust-X for Steel



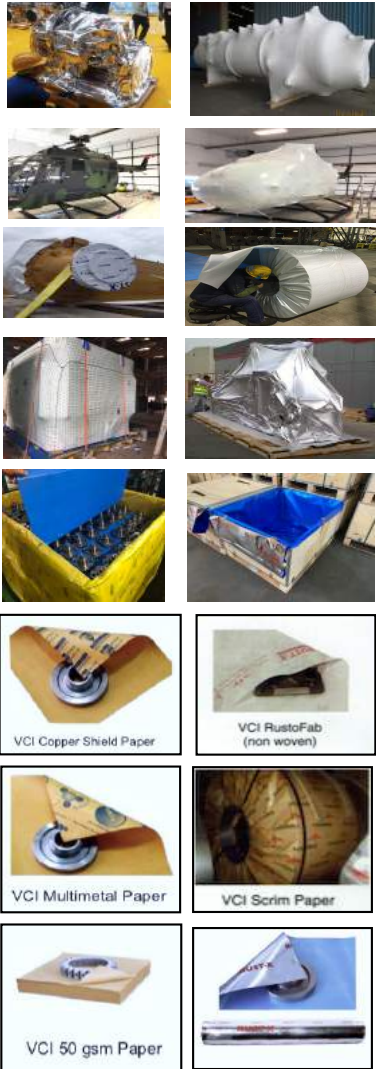
Steel Coil Packaging

Complete Coil Packing Solutions



- Steel mills that produce pipes, coils, cold rolled/galvanized, stainless, aluminium or electrical grade steel use Rust-X oils, VCI Raffia/HDPE Papers and VCI Strength fabric, VCI Stretch films scrim (patent pending) for transit protection and storage of steel coils
- Products
 - VCI Stretch Film - ½ mil to 5 mil
 - VCI Raffia Fabric / Polyweave - 70 gsm - 300 gsm
 - VCI HDPE Paper
 - Surface Protection Film
 - VCI Coil Bags
 - Zorbit Desiccants
 - RP Oils - Electrostatic and Non ES
 - Rust Removers
 - Punching oils
- Equipment
 - Extrusion Lines – 18 India , 6 USA, 4 Italy
 - Fabric Manufacturing – India
 - Printing 8 lines –
 - 40" /55"/80"/90" – 1 Colour
 - 48" - 5 colour 120"/144" – 2 colour
 - 120" – 4 colour
 - Yotex – Embossed Film 3mm for outer wraps
 - Blending plants for RP Oils
 - Die Cuts for donuts and discs
 - Circular coil bags with or without strings

Rust-X Anti Corrosion



Rust-X delivers the highest quality Corrosion Prevention products like VCI Films, Papers and Liquids and Solutions while meeting the highest safety standards. Our products are REACH approved, RoHS compliant and we are ISO 9001 & ISO 14001 certified.

Applications



Industries we serve

Automotive | Steel | Machinery Manufacturers | Equipments | Oil and Gas | Electronics | Aerospace



- Observe the rust being removed and extracted into the liquid
- Changing colour of the liquid from transparent to yellowish brown
- 5-15 minutes required to convert complete corrosion



Use Zorb-It Container Poles

Avoid Container Rain and USE ZORB-IT

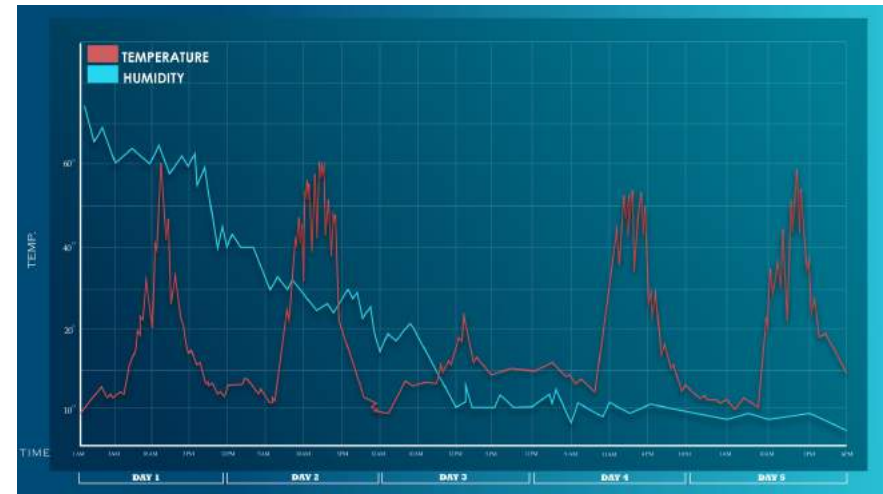


Desiccant vs No Desiccant

FACT



- With Desiccant the Blue Line reduces from 60% to below 20% with 1 to 4 days



- **Blue line** indicates change in moisture in a container reaching to 95%
- **Red line** indicates change in Temperature

Zorbit in Steel Cars

RUST-X[®]
REST WITHOUT RUST

A red metal hanger is attached to the top of a white rectangular box of Zorbit Container Gel 1500 Cargo Desiccant. The box features a large red number '1' with the text 'ZORB-IT' and 'PROFESSIONAL MOISTURE CONTROL' integrated into it. The text 'ZORBIT CONTAINER GEL 1500' and 'CARGO DESICCANT' is printed at the top. At the bottom, it states 'A PRODUCT OF ZORBIT USA' and lists various items it can protect, such as food grains, coffee, cocoa, metals, lumber, furniture, fresh produce, textiles, leathers, and chemicals. It also includes a warning 'DO NOT EAT | DMF FREE DESICCANT | DISPOSE RESPONSIBLY' and the website 'www.zorbitusa.com' and email 'info@zorbitusa.com'.

ZORBIT CONTAINER GEL 1500
CARGO DESICCANT

1
ZORB-IT
PROFESSIONAL MOISTURE CONTROL

A PRODUCT OF ZORBIT USA

CAN BE USED IN CARGO CONTAINERS TO PROTECT:
FOOD GRAINS | COFFEE | COCOA | METALS | LUMBER |
FURNITURE | FRESH PRODUCE | TEXTILES | LEATHERS | CHEMICALS

DO NOT EAT | DMF FREE DESICCANT | DISPOSE RESPONSIBLY
www.zorbitusa.com info@zorbitusa.com

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+1 (714) 690 0380 • India +91 98143 09000
 - India +91 99157 15000