

**AUTOMATION AND MATERIAL HANDLING SOLUTIONS
BACKED BY COMPREHENSIVE RANGE OF COMPONENTS**



MECHANICAL DIVISION

- Aluminium Profile Technology
- Linear Technology
- Clamping Technology
- Pipe & Joints
- Conveyor Technology

Phoenix Mecano India Pvt. Ltd.

ABOUT US



Phoenix Mecano India Pvt. Ltd. has been in the forefront of developing innovative and optimal solutions for customers from last 25 years. Backed by decades of experience in manufacturing high quality industrial components spanning a range of applications and strong German roots, Phoenix Mecano's enriching journey in India has made it unique as a partner to our customers.

Phoenix Mecano India is uniquely positioned as part of a global network of PM Group companies under the PM Global Brand. Our component business ranges from enclosures, mechanical components, power quality equipments and industrial computing. PMI believes in sustainable and profitable growth by collaborating with customers to solve their needs, backed by the world class manufacturing facilities around the world.

Phoenix Mecano Group

The Phoenix Mecano Group is a global technology group based out of Switzerland with strong German roots of engineering, manufacturing and solutioning. PM group's focus is providing end to end solutions backed by quality conscious high precision and cost optimal manufacturing of niche products. The group is present around the globe with more than 60 locations in 6 continents. The group's most important markets include automotive, machinery, oil & gas, defence, power distribution, electronics & white goods manufacturing and renewable energy.

Vision

To be a specialised supplier of world - class industrial components and related solutions, meeting stringent industrial requirements and exceeding customer satisfaction benchmarks. We shall strive to be in the top two players in each market segment, we operate. To be a modern and lean production facility with a globally connected & optimised supply-chain, innovating new products and processes thereby, generating sustainable returns for all stakeholders.

Mission

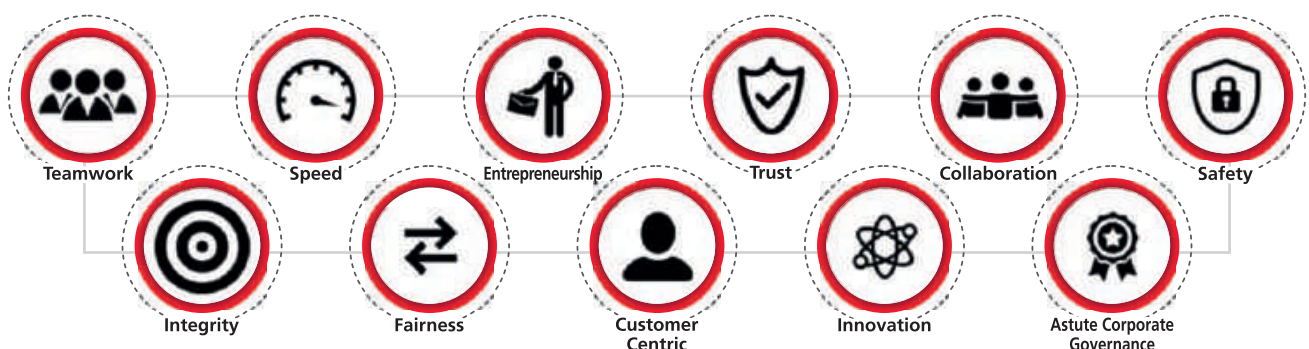
We aspire to be a customer centric organization, our success hinges on a couple of key factors, know-how in product development, accumulated and mastered over years, coupled with intensive and collaborative working with customers and supplier, based on trust and long-terms relationships.

A company that's continuously, innovating and improving performance, in each product and process.

Add value in Phoenix Mecano's global sphere, by establishing ourselves in the local markets, in parallel, providing a dependable and agile production hub to the group companies world-wide.

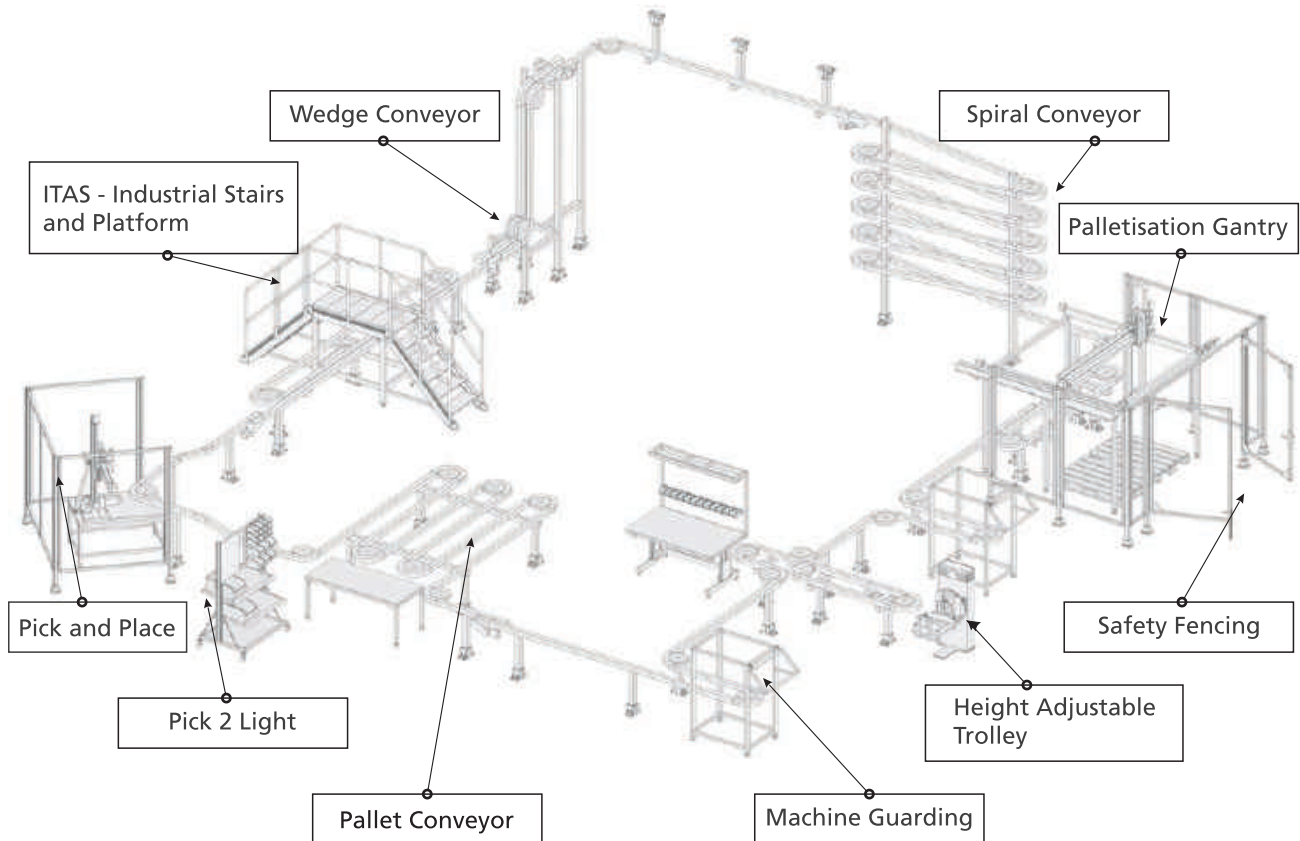
Develop, retain and harness knowledge, which can be leveraged for future growth. Create a highly energetic & modern organization with a culture of trust, caring, continuous learning, up-skilling and empowerment across the organizational pyramid.

Values

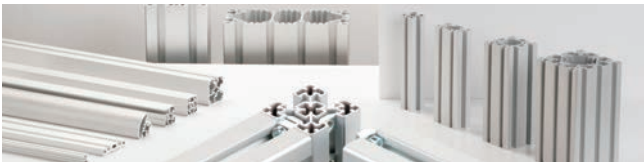


OUR OFFERINGS

COMPREHENSIVE TURNKEY SOLUTIONS



COMPONENTS



ALUMINUM PROFILE TECHNOLOGY

- ☑ Structural Profiles
- ☑ Heavy Duty Profiles
- ☑ Functional Profiles



LINEAR TECHNOLOGY

- ☑ Linear Units
- ☑ Electric Cylinders
- ☑ Lifting Columns



CLAMPING TECHNOLOGY

- ☑ Light Clamps
- ☑ Robust Clamps
- ☑ Solid Clamps



PIPE & JOINTS

- ☑ Various roller tracks
- ☑ Mounting accessories
- ☑ Dcoated, Aluminium and SS pipes



CONVEYOR TECHNOLOGY

- ☑ Modular Chain Conveyors
- ☑ Belt Conveyors
- ☑ Roller Conveyors

PROFILE TECHNOLOGY - BLOCAN®

APPLICATIONS

Workstation Systems

Ergonomics reduce stress and absences

- Easywork standard workbenches
- Adaptation based on LEAN considerations
- Suitable for modular upgrade



LEAN Solutions

Innovative process structuring

- One piece flow work stations
- Material/ feed carriage
- Best-point positioning
- Consultancy, conceptualization, implementation



Protection and Partitioning Systems

Safety with visual appeal

- Sturdy protection system in aluminium design
- Minimum designing efforts
- Assembly without machining



Customised System Solutions

Everything from a single source

- Multiple axis and handling systems
- Machine housings
- Frames and equipment





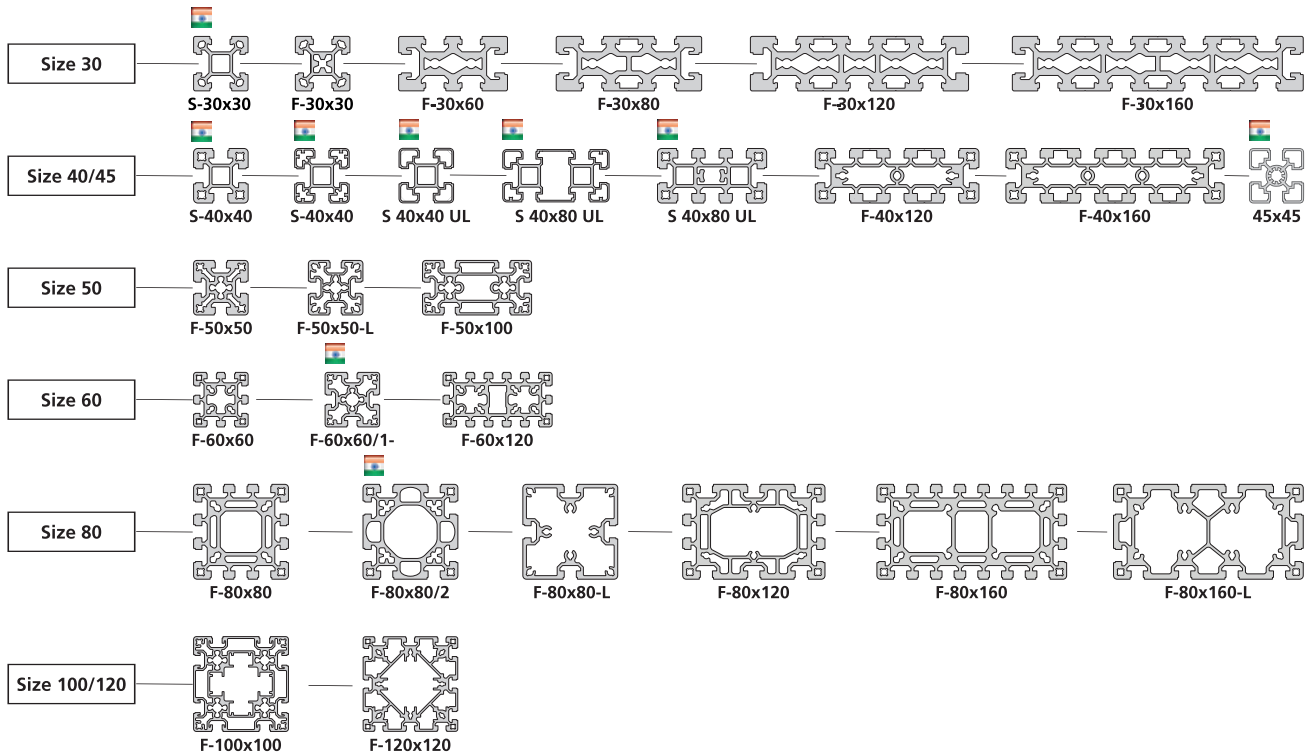
PROFILE TECHNOLOGY - BLOCAN®

RK Rose+Krieger GmbH, a Phoenix Mecano company, is a leading developer and manufacturer of high-grade components in the field of linear, profile, connecting and modular technology and solutions for automation and production applications.

- Combine, assemble, modify
- Highly reliable connections
- Highest levels of variability, without machining

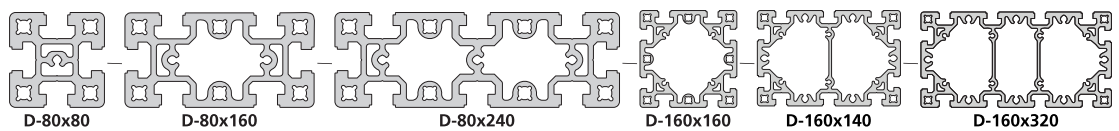
Structural and Functional Profiles – Stable versatile structures

- Fixing slots on all sides design effort
- Cost optimisation
- Minimized design effort

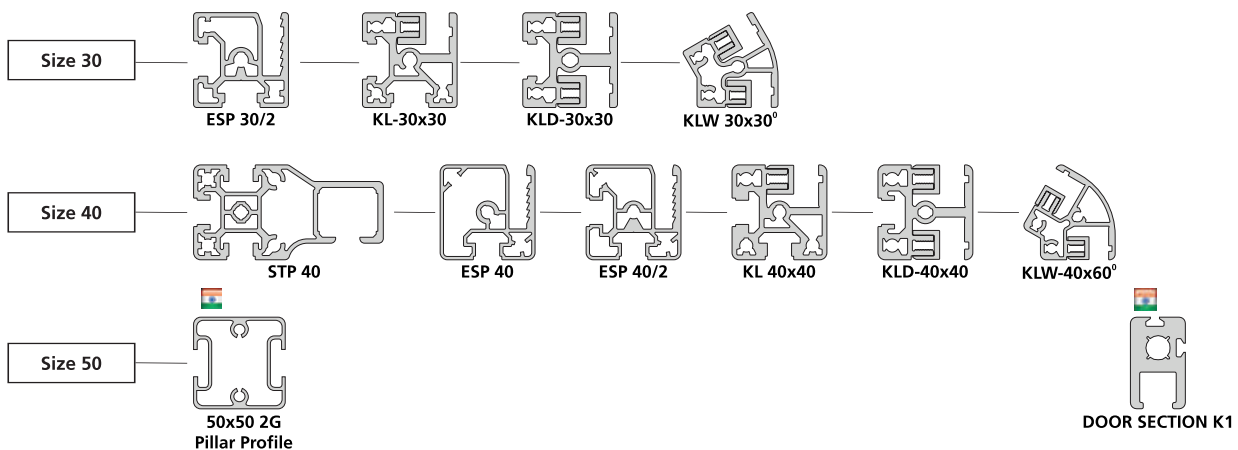


Heavy Duty Profiles

- High dynamic
- Easy transportation
- Large structures

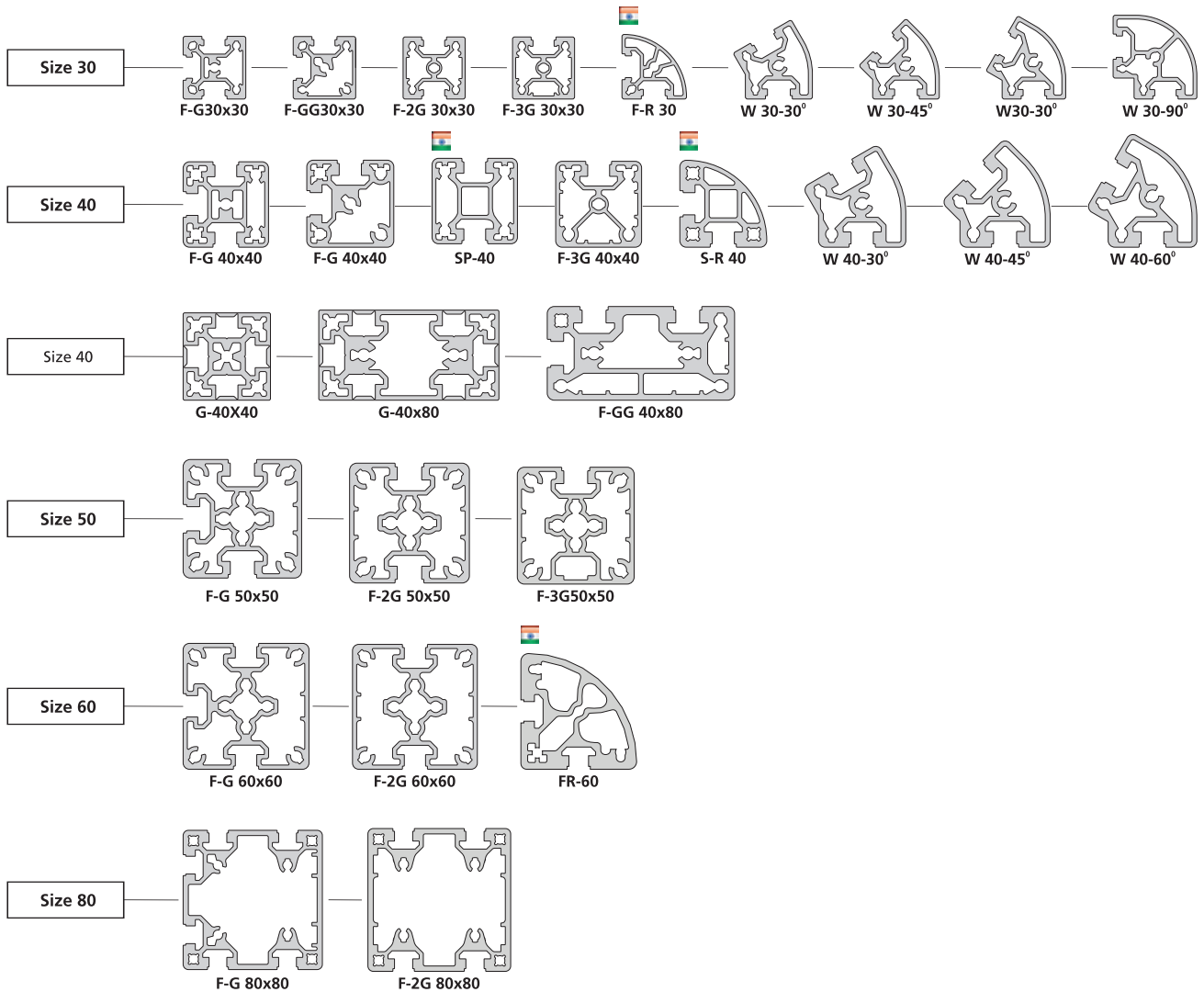


Frame Profiles

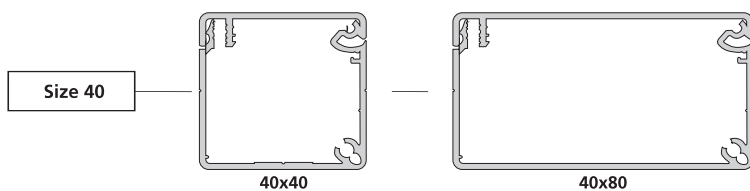


Visible Design Profiles – Additional visual and functional benefit

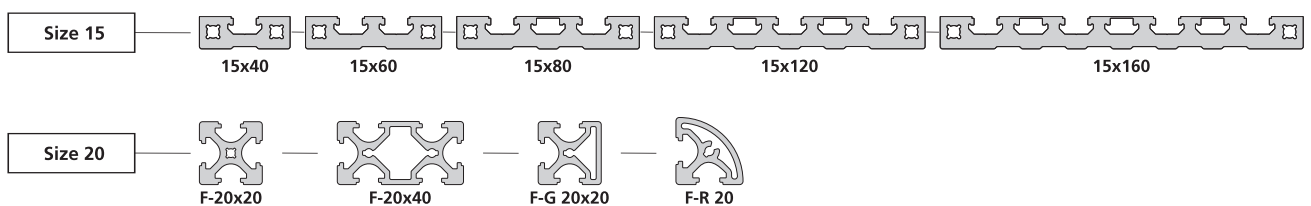
- Attractive design
- Flexible
- Many additional functions



Cable Channel Profiles



Special Profiles



PROFILE TECHNOLOGY - BLOCAN®

ACCESSORIES

Right angle connections



Angle Brackets



Hidden Bracket



Flange Bracket



Corner Joint



Angle Connections



End to End and Parallel Connections



Cross Connections



Cable Channel Profile



Slot Stone and Screws



Profile Coverings



Connecting Foot Plate



End Cap



Cover Profile



Rim



End Cap

Surface Elements and Accessories



Surface Elements



Two Part Insert



Embedded U Profile



Suspended Sliding Block



Sliding Profile



Block Joint



Corner Piece



Quick Cable Bracket

Foot, Castor, Hinges



Levelling Foot



Castor



Foot Lock



Base Bracket



Handle



Butt Hinge



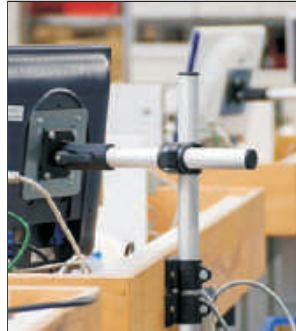
Door Hinge

CLAMPING TECHNOLOGY

Light Clamps

Light load range

- Light Weight
- Easy Construction
- Good Value



Solid Clamps

Medium to heavy load range

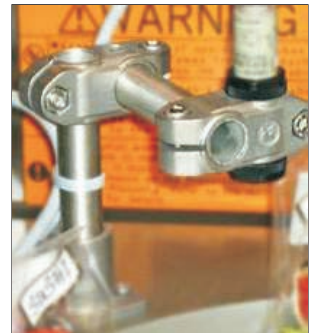
- Reliable
- Great Variety
- Performance & price - optimised



Robust Clamps

Shock-proof load range

- Extremely strong
- Vibration proof
- Impact and shock load
- Corrosion resistant



Monitor Mounting

- Universal or VESA connection
- Rotary/ swivel function
- Monitor holder/ support arm suitable for combination
- Excellent value for money



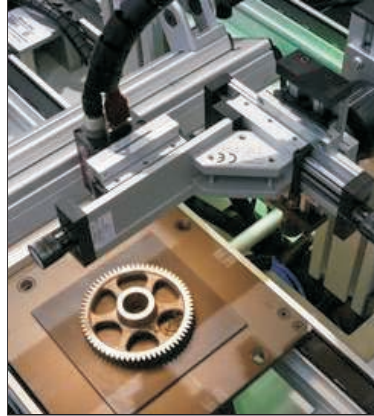
LINEAR TECHNOLOGY

ACCESSORIES

Move-Tec

Acme/ Trapezoidal
Screw Driven
Width, length and
height adjustment

- Manual or electric drive
- Low duty cycle
- Low speed
- Medium to high stability



Place-Tec

Timing Belt Driven
Loading unloading,
palletising, pick & place

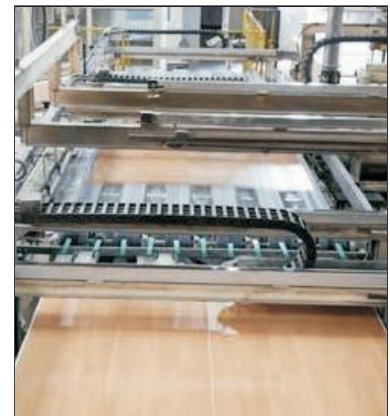
- High repeatability
- Short cycle times
- High cycle rates
- 3 shift operation
- High reliability



Control-Tec

Ball Screw Driven
Numerically controlled
positioning applications

- High positioning accuracy
- Uniform motion
- High drive stiffness
- 3 shift operation
- IP 40 protection class



Lifting Columns

Height adjustment made easy for

- Ergonomics in the workplace
- Industrial Automation



Electric Cylinder

The alternative to pneumatic/ hydraulic cylinders

- Fully integrated maintenance-free technology
- Self-locking, even under max. load
- Installation in any position
- Various stroke lengths and speeds



PIPE & JOINTS

APPLICATIONS

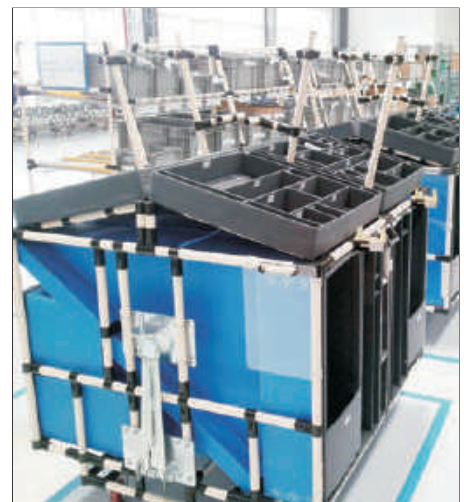
Material Transfer Trolley and Rack



Workstation



Customised Solutions





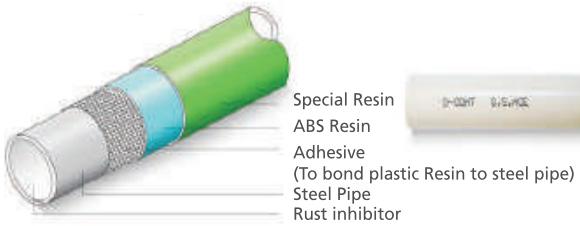
PIPE & JOINTS

GS ACE Industry Co. Ltd in collaboration with Phoenix Mecano India is a leading company specializing in

☑ Exclusive dealership from G.S.ACE, South Korea

☑ Highly modular and flexible

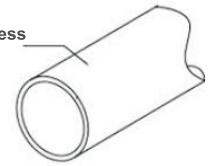
Pipes



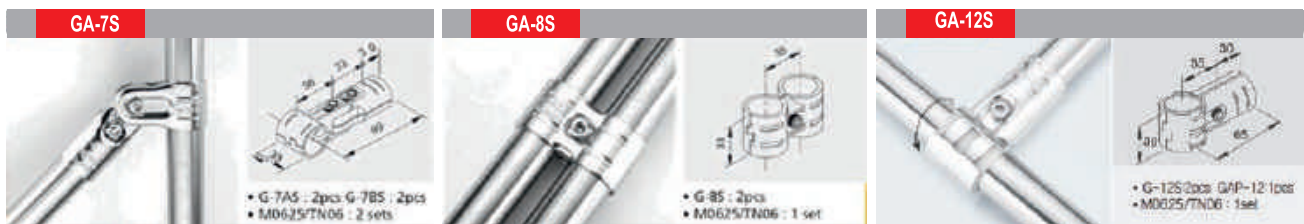
Dcoat Pipe



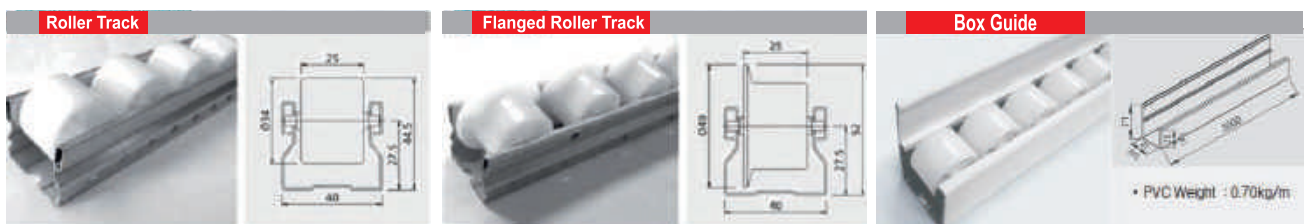
Stainless Pipe



Metal and Aluminium Joints

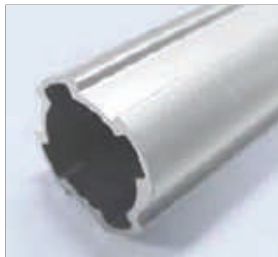


Roller Tracks and Accessories



the production of Pipe Racking Systems.

☑ Lean manufacturing conceptualized into warehousing solutions

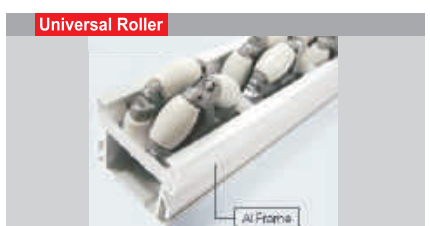
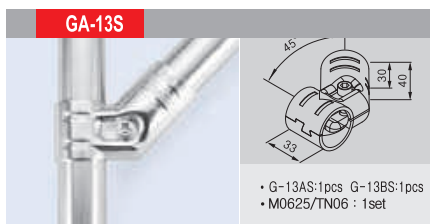
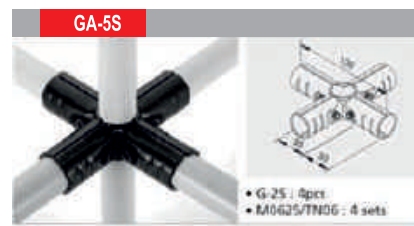
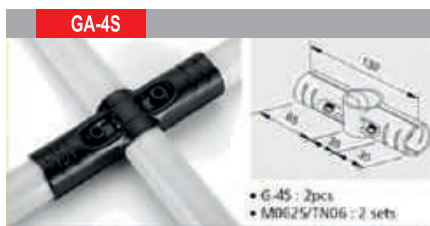


Aluminium Pipe



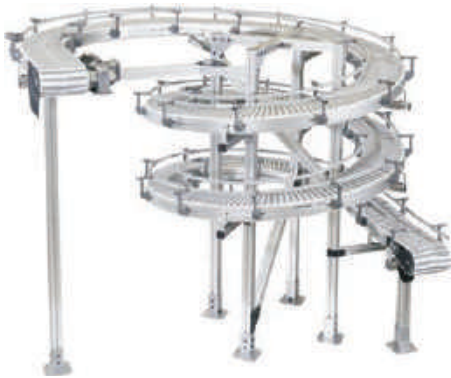
Eco Pipe

	Thickness			
Dcoat Pipe	Stainless Pipe	Aluminium Pipe	Eco Pipe	
0.7	0.7	0.2	0.7	
0.8	0.8		0.9	
1.9	1.2		1.2	
1.0			2.0	
1.2				
2.0				



CONVEYOR TECHNOLOGY

APPLICATIONS

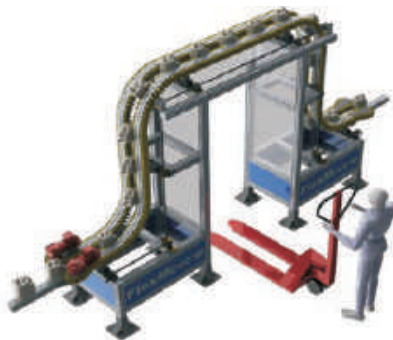


Helix and Spiral Conveyor

- Simple, Low cost spiral for handling small parts
- Allows incline or decline through corners and straights
- Provides capability for product buffering or storage for accumulation or cooling
- Reduces conveyor foot print saving valuable floor space

Twist Conveyor

- Specially designed twisted beams are available for product orientation while conveying
- Different products travel smoothly with secured orientation
- Saves overall travel time by avoiding orientation units



Wedge Conveyor

- Specialty chain designed to securely convey the product by gripping the sides
- Saves footprint space by vertically lifting or lowering the product
- Built with high quality aluminium and stainless steel
- Different layouts can be designed as per application and orientation

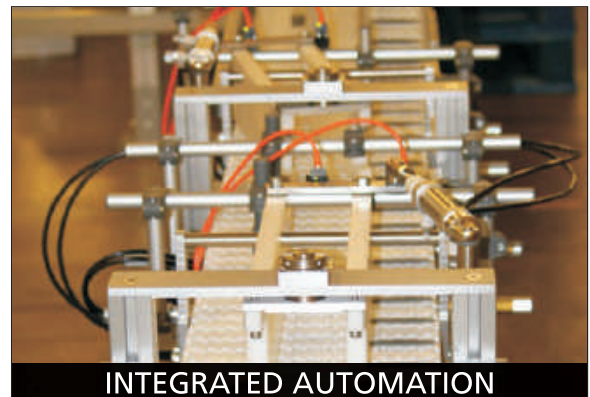
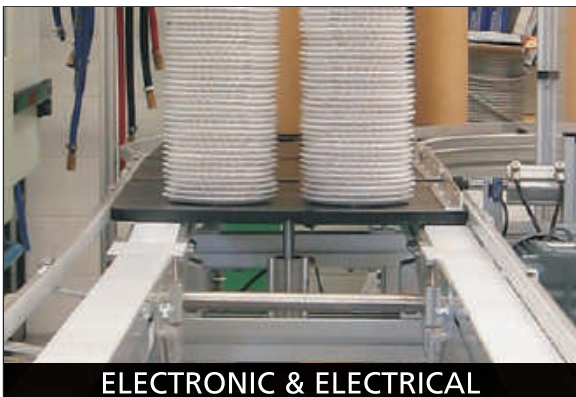
Pallet Conveyor

- Configurable in Single track, Twin track and Multi track systems
- Well suited for manual or automatic assembly and test systems in a variety of applications and industries
- Different accessories like Pallets, stoppers and locating stations are available
- Integration with Robots or pick and place systems



CONVEYOR TECHNOLOGY

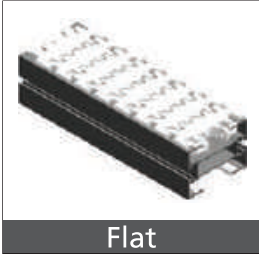
INDUSTRIES SERVED



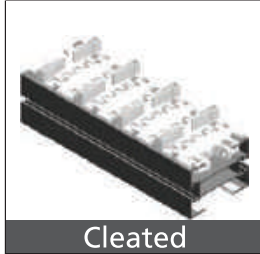
CONVEYOR TECHNOLOGY

Phoenix Mecano India, in association with Dorner, a leading manufacturer of packaged and custom conveyor systems, provides solutions for industrial, packaging, and sanitary conveyor automation needs.

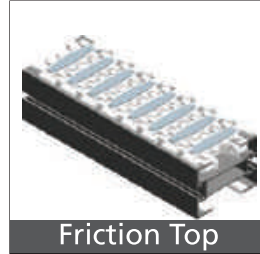
PLASTIC CHAIN CONVEYORS



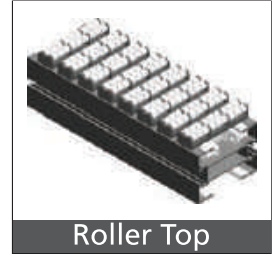
Flat



Cleated



Friction Top

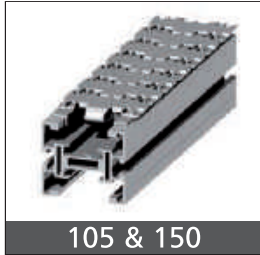


Roller Top

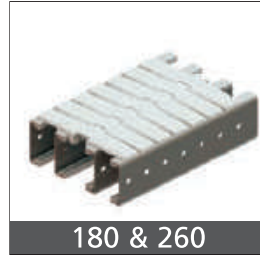
ALUMINIUM FLEXIBLE CHAIN CONVEYORS



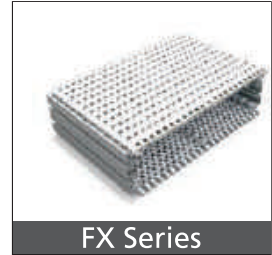
45, 65 & 85



105 & 150



180 & 260



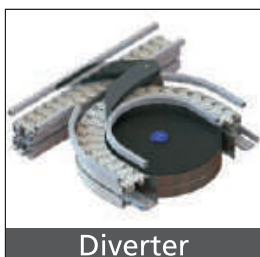
FX Series



ACCESSORIES



Guide Rail



Diverter



Pallet Lifter & Locator



Pallet System

BELT CONVEYORS

APPLICATIONS



Straight and Inclined Belt Conveyor

- Built using modular AL frames saving assembly time
- Easy modification of conveyor layout
- Food grade belts are available
- Special accessories are available to build inclined conveyors

Roller Conveyor

- Different types and sizes of rollers are available.
- Powered and gravity rollers conveyors can be designed.
- Modular system allows flexibility in layout and assembly.
- Arrangement of rollers as per product size and shape.



BELT TYPES



Belt Conveyor



Modular Belt Conveyor



Precision Move Conveyor

Designing Solutions for **YOU** with

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We specialise in innovative and customised solutions in material handling, factory automation and many more applications. Collaborate with us for solutions and components required for your specific needs at -
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