

TECHNOVISION ENGINEERS PVT. LTD.

An ISO 9001 : 2015 Certified Company

nothing
breaks,
if handled
with care!





Mr. Uday Kalyankar

(B.E. Production)

Mr. Uday has over 30 years of experience in B2B Sales and Marketing, Design, Engineering in Material Handling Equipments.



Mr. Sameer Patil

(B.E. Production)

Mr. Sameer has over 30 years of experience in Manufacturing, Finance and Procurement.

Technovision Engineers Pvt. Ltd (TEPL) Leaders in Material Handling Solutions, TEPL is a renowned manufacturer of material handling equipment, recognized for its superior quality, innovative solutions, and exceptional customer service. With expertise that spans beyond standard manufacturing, TEPL excels in turnkey project execution, managing every phase from design and manufacturing to supply, erection, and commissioning. This comprehensive approach underscores its capability to handle complex, large-scale projects.

Core Competencies:

- ◆ Superior Quality & Service: TEPL adheres to the highest quality standards, backed by ISO 9001:2015 certification, ensuring customer satisfaction throughout the project lifecycle.
- ◆ Turnkey Project Management: The company delivers end-to-end solutions, offering a seamless, hassle-free experience from concept to commissioning.
- ◆ Lean Manufacturing: TEPL's focus on efficient processes minimizes waste, enhances productivity, and ensures top-tier quality, setting benchmarks in the Indian industry.
- ◆ Innovation through R&D: With a dedicated in-house R&D team, TEPL drives advancements in design and technology, staying ahead in delivering cutting-edge solutions.

Modern Infrastructure:

Operating six advanced manufacturing facilities over 70,000 sq. ft., TEPL is equipped with state-of-the-art tools and technology, enabling the production of world-class material handling equipment.

Skilled Expertise:

TEPL's team of skilled professionals, combined with deep industry knowledge and advanced technology, ensures the delivery of innovative, high-quality solutions tailored to diverse industry needs.

Vision

To become a global leader in providing futuristic, technology-driven material handling solutions. We are committed to developing and delivering innovative, efficient, and cutting-edge products that enhance customer satisfaction.

Mission

Our mission is to design and manufacture reliable, innovative material handling equipment that enhances operational efficiency, safety, and sustainability for industries worldwide. We are committed to delivering top-quality products and services that exceed customer expectations.

1998

FOUNDED

Where it all began

Operations started in a 100 sq. ft. space at MDC Bhosari, Pune, focused on machinery activities.

2004

MILESTONE

Pvt. Ltd. incorporated

Formally registered as a Private Limited Company, laying the foundation for sustained growth.

2005

EXPANSION

New HQ at 16,500 sq. ft.

Headquarters relocated to Chikhali MIDC, Pune. Unit Handling Conveyor Systems added to the portfolio.

2010

CREDIBILITY

DSB D-U-N-S registered

Listed with Dun & Bradstreet, establishing verified global business credibility.

2012

DIVERSIFICATION

Two new frontiers

Techno Pipes & Joints launched as a new entity. Simultaneously entered Hydraulic Equipment manufacturing.

2014

FLAGSHIP PRODUCT

VRC born here

Design and manufacturing of Vertical Reciprocating Conveyors introduced. Now 950+ VRCs installed across India.

2016

AWARD

India SME 100 award

Ranked in the top 100 among 50,000 nominations at the India SME 100 Awards, a national recognition.

2017

GROWTH

ESR segment and new factory

Expandable Storage Racks (ESR) launched as a new segment. New 12,000 sq. ft. manufacturing unit commissioned.

2020

CERTIFIED

ISO 9001:2015 renewed

Quality management certification renewed by TUV, reinforcing zero-compromise standards.

2021

SCALE-UP

70,000 sq. ft. achieved

New 20,000 sq. ft. unit added. Total operational footprint reaches 70,000 sq. ft. across five facilities.

2022

PRODUCT

Spiral and gravity conveyors

Spiral Gravity Conveyor and Gravity Chute introduced, expanding multi-floor logistics solutions.

2024

INNOVATION

New components and aluminium

New clamps and brackets developed for Pipe & Joint System. Aluminium Profile design and manufacturing launched.

2025

R&D

Roller Track and CVC

New Roller Track developed for the Pipe & Joint System. Continuous Vertical Conveyor (CVC) successfully engineered.

2026

HISTORIC FIRSTS

Global milestones

First Spiral Gravity Conveyor in a -25 degree C cold storage in India. Pipe & Joint Systems exported to USA and UAE. New corporate sales office established.

VRC (Vertical Reciprocating Conveyor)



Vertical Reciprocating Conveyors (VRCs) are a vital component in efficient material handling systems. These innovative devices facilitate the vertical movement of goods between different levels within a facility, such as warehouses, factories, and distribution centres.

Unlike traditional elevators, VRCs operate through a reciprocating motion, moving a platform or carriage up and down along a guided path. This mechanism offers several key advantages. Firstly, VRCs are generally more cost-effective to install and maintain compared to conventional elevators, making them a budget-friendly solution for businesses. Secondly, they require significantly less space, making them ideal for retrofitting existing facilities or integrating into tight spaces.

VRCs play a crucial role in streamlining operations across various industries. They are widely used for:

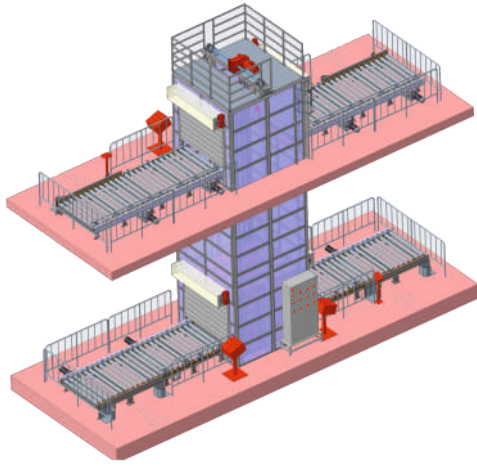
- ◆ **Inter-floor Transportation:** Efficiently moving goods between different levels of a warehouse or multi-story facility.
- ◆ **Mezzanine Access:** Providing safe and reliable access to elevated work platforms or storage areas.
- ◆ **Industrial Material Handling:** Transporting raw materials, finished products, and work-in-progress materials within manufacturing plants.
- ◆ **Distribution Centre Logistics:** Facilitating the movement of goods between receiving, storage, and shipping areas.

By incorporating VRCs into your material handling strategy, you can enhance productivity, improve safety, and optimize the flow of goods within your operation.

Types of VRC (Vertical Reciprocating Conveyor)

- ◆ **2 Post VRC: TE- 2PV**
It is available with lifting capacity up to 2000 kgs. Carriage size is customized & travel height is 20m.
- ◆ **4 Post VRC: TE- 4PV**
It is available with lifting capacity upto 2500 kgs - 5000 kgs. Carriage size is customized & travel height is 30m. Entry exit are possible from all 4 sides.
- ◆ **Auto VRC: TE- AV**





Auto VRC (Vertical Reciprocating Conveyor)

Auto VRC is widely used to move material automatically without human intervention from one floor to another with great safety. It is highly automated system



Spiral Gravity Conveyor

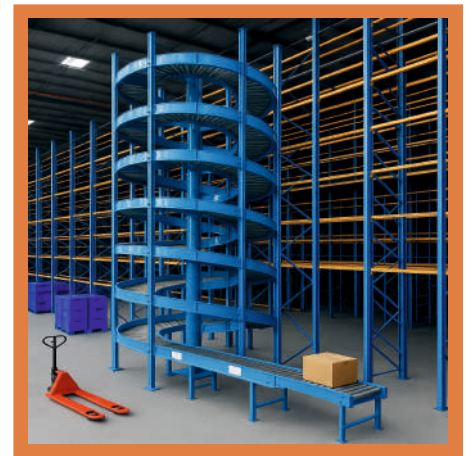
A Spiral Gravity Conveyor is a space-saving material handling system designed to efficiently move packaged goods vertically downward. Utilizing the force of gravity, these systems gently guide carton boxes and crate boxes along a spiral path, minimizing the risk of damage during transport.

Key Advantages:

- ◆ **Space Efficiency:** Occupies a minimal footprint compared to traditional elevators or vertical conveyors, maximizing valuable floor space.
- ◆ **Energy Efficient:** Leverages the power of gravity, eliminating the need for external power sources and significantly reducing energy consumption.
- ◆ **Gentle Handling:** Ensures smooth and controlled descent of packaged goods, minimizing damage and protecting product integrity.
- ◆ **Ideal for Packaged Goods:** Specifically designed to accommodate various sizes and weights of carton boxes and crate boxes.

Applications:

- ◆ **Warehousing:** Efficiently move goods between floors, from mezzanines to ground levels, and to shipping areas.
- ◆ **Manufacturing:** Transport components, work-in-progress, and finished goods packaged in boxes or crates.
- ◆ **Distribution Centre:** Streamline the flow of packaged goods from receiving docks to storage and shipping areas.



Linear Gravity Chutes

A Linear Gravity Chute is a simple yet effective material handling system that utilizes gravity to move packaged goods along a straight, inclined plane. This straight forward design offers several key advantages:



Key Advantages:

- ◆ **Space Efficiency:** Linear chutes can be easily integrated into existing layouts, making optimal use of available space.
- ◆ **Cost-Effectiveness:** Relying solely on gravity eliminates the need for external power sources, resulting in lower operating costs.
- ◆ **Easy Maintenance:** The simple design minimizes the number of moving parts, reducing maintenance requirements and increasing system uptime.
- ◆ **Ideal for Packaged Goods:** Linear chutes are well-suited for handling a variety of carton boxes and crate boxes, ensuring smooth and controlled movement.

Applications:

- ◆ **Warehousing:** Move goods between different levels, from mezzanines to ground level, or to shipping areas.
- ◆ **Manufacturing:** Transport components, work-in-progress, and finished goods packaged in boxes or crates within the production line.
- ◆ **Distribution Centre:** Facilitate the movement of packaged goods from receiving areas to storage or shipping zones.

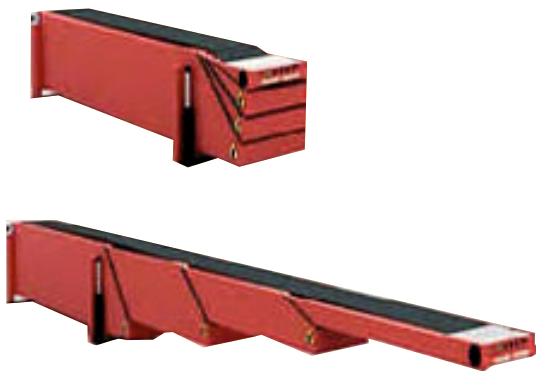
Truck Loading/ Unloading Conveyor



The Truck Loader Conveyor is a versatile and efficient solution for loading and unloading bags, carton boxes, and other goods across various industries. It is extensively utilized in retail industries, distilleries, pharmaceuticals, FMCG, textiles, packaging industries, e-commerce, warehouses, and more. This conveyor ensures seamless material handling, improved productivity, and operational efficiency.

Features:

- ◆ Smooth Conveyance
- ◆ Manpower Reduction
- ◆ Time Efficiency
- ◆ Easy Towable Transport
- ◆ And More



Telescopic Belt Conveyor (TBC)

Our Telescopic Belt Conveyor is expertly designed to optimize the truck loading and unloading process, providing a flexible, reliable, and efficient solution for managing goods in and out of trailers, containers, and trucks. Tailored for businesses that prioritize operational efficiency, safety, and cost-effectiveness, this advanced conveyor system integrates seamlessly into existing logistics workflows, significantly reducing manual labour and minimizing loading times.

Experience improved productivity and streamlined operations with our telescopic conveyor solution!

- ◆ Maximum Load: 60 Kgs/Mtr,
- ◆ Belt Speed: 15-30 Mtr/Min,
- ◆ Belt Width: 600mm/800mm/1000mm
- ◆ 3 stage, 4 stage & 5 stage option available.
- ◆ Useful for 20 feet & 40 feet container/truck
- ◆ Direction: Uni-directional & Bi-directional.

Belt Conveyor

Intro: Mobile belt conveyor is widely used in various fields to move diverse unit loads & bulk material. They are used in handling loads from one location to another within process in line production

Applications: Mobile belt conveyor used in various industries for automation purpose. Conveying bags, boxes, industrial goods etc from one place to another is easy.



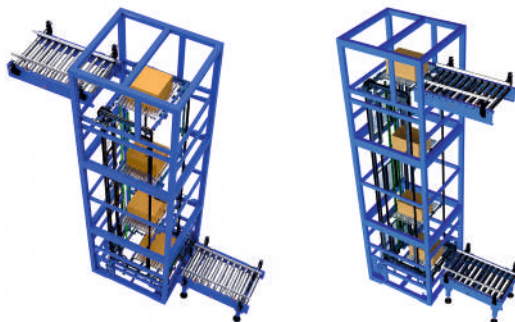
Continuous Vertical Conveyors (CVC)

Technovision Continuous Vertical Conveyors (CVCs) are high-performance systems for seamless vertical movement of goods between levels. Designed for speed, reliability, and space efficiency, they handle cartons, trays, bags, pallets, and more.

With continuous operation and automatic loading/unloading, CVCs ensure uninterrupted flow for high-throughput applications. Available in "C" and "Z" configurations, they adapt to different layouts while maintaining a compact footprint.

Key Features

- ◆ Continuous, high-capacity vertical conveying
- ◆ Compact design-saves up to 90% floor space compared to incline systems
- ◆ Suitable for upward and downward movement
- ◆ Suitable for handling unit loads ranging from 5 kg to 40 kg



Z-Type

C-Type

Pipe & Joints System



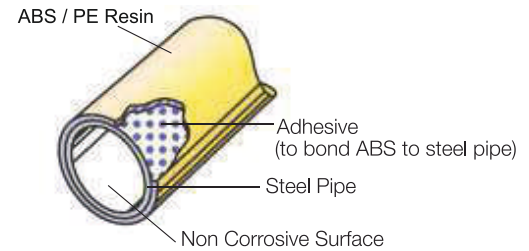
Technovision Pipe & Joints System is an ideal material handling solution designed to meet the diverse needs of all industries. Smart, dynamic, and flexible, this system is capable of creating a wide range of structures, including: **Racks, Trolleys, Assembly Tables, Display Boards, Gravity Flow Racks.**

The possibilities with the Pipe & Joints System are limitless. Add your ideas today and unlock endless potential for customization and innovation!

Features:

- ◆ **Convenient and Easy Modification:** Designed for seamless adjustments and adaptability.
- ◆ **High Safety and Simple Fitting:** Provides secure usage with a hassle-free, welding-free assembly process.
- ◆ **User-Friendly Assembly:** Enables quick and straightforward assembly without the need for specialized skills.
- ◆ **Durable and Clean Finish:** Coated with ABS resin, ensuring enhanced durability and a clean appearance.
- ◆ **Lightweight and Easy Handling:** The lightweight structure simplifies handling and transportation.
- ◆ **Supports Continuous Improvement:** Facilitates ongoing enhancement activities without additional complexity.
- ◆ **No Special Facilities Needed:** Can be produced without requiring specialized equipment or facilities.

TECHNO pipe is steel pipe with ABS resin coated on the outer surface, An adhesive bonds the resin to the pipe preventing separation. The inner surface is non-corrosive.



Coated Pipe / ECO Pipe





- ◆ Various colors
- ◆ Low cost
- ◆ Easy to cut

Antistatic Color Pipe / Conductive Pipe (ESD)

- ◆ Surface Resistance : $10^6 \Omega \sim 10^9 \Omega$
- ◆ Colors : Black

Note: Avoid using the Pipes near and around solvents or oils.

Pipe

Coated Pipe		Conductive Pipe		Slide Pipe		Stainless Steel Pipe		Aluminium Pipe	
									
COLOR OPTION IV BK GR GN BL RD		SURFACE RESISTANCE $10^8 \sim 10^6$		COLOR OPTION IV BK GR GN BL RD					
Code	Thickness	Code	Thickness	Code	Thickness	Code	Thickness	Code	Thickness
TP-0.8	0.8mm	TP-0.8	0.8mm	TP-0.8	0.8mm	TSS-0.8	0.8mm	TSS-0.8	0.8mm
TP-0.9	0.9mm	TP-0.9	0.9mm	TP-0.9	0.9mm	TSS-0.9	0.9mm	TSS-0.9	0.9mm
TP-1	1mm	TP-1	1mm	TP-1	1mm	TSS-1.0	1.0mm	TSS-1.0	1.0mm
TP-1.2	1.2mm	TP-1.2	1.2mm	TP-1.2	1.2mm	TSS-1.2	1.2mm	TSS-1.7	1.7mm
TP-2	2mm	TP-2	2mm	TP-2	2mm				

Plastic Parts



Surface Treatment



Item	Colour	Treatment
BK	BLACK	Black ED Coating
ZN	ZINC	Zinc Plating
NI/CR	NICKEL CHROME	Nickel Chrome Plating

Black ED Coated



Zinc Coated Plated



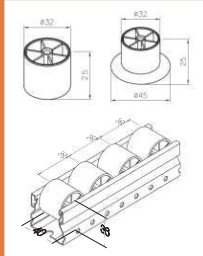
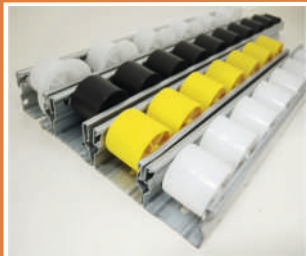
Jointing Methods



<p>TS - 1</p> <p>T-1 : 2 Pieces Bolts and nuts : 1 unit</p>	<p>TS - 2</p> <p>T-2 : 1 Piece T-3 : 1 Piece Bolts and nuts : 2 unit</p>	<p>TS - 3</p> <p>T-2 : 2 Pieces T-4 : 1 Piece Bolts and nuts : 3 unit</p>	<p>TS - 4</p> <p>T-4 : 2 Pieces Bolts and nuts : 2 unit</p>
<p>TS - 5</p> <p>T-2 : 4 Pieces Bolts and nuts : 4 unit</p>	<p>TS - 6</p> <p>T-6 : 2 Pieces Bolts and nuts : 1 unit</p>	<p>TS - 7</p> <p>T-7A : 2 Pieces T-7B : 2 Pieces Bolts and nuts : 2 units</p>	<p>TS - 8</p> <p>T-8 : 2 Pieces Bolts and nuts : 1 units</p>
<p>TS - 11</p> <p>T-11 : 2 Pieces Bolts and nuts : 1 unit</p>	<p>TS - 13</p> <p>T-13A : 1 Piece T-13B : 1 Piece Bolts and nuts : 1 units</p>	<p>TS - 14</p> <p>T-14 : 2 Pieces T-7B : 4 Pieces Bolts and nuts : 4 units</p>	<p>TS - 15</p> <p>T-15A : 1 Piece T-15B : 1 Piece Bolts and nuts : (W60510)</p>
<p>TS - 16</p> <p style="text-align: right;">New</p>	<p>TS - 9</p> <p style="text-align: right;">New</p>	<p>TS - 1B</p> <p style="text-align: right;">New</p>	<p>Aluminium Bracket</p> <p style="text-align: right;">New</p>

Roller Track (Placon)

40 Series

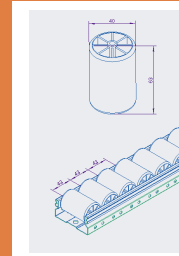


Roller Material - PP

80 Series



Regular



Roller Material - PP



Heavy Type Roller

Placon Mount

<p>GPA - 40mm</p>	<p>GPB - 40 mm</p>	<p>GPC - 40 mm</p>	<p>GPC1 - 40 mm</p>	<p>GP-B2</p>	<p>GP-E</p>	<p>TEPL Clamp</p>
<p>GPA - 80 mm</p>	<p>GPB - 80mm</p>	<p>GPC - 80 mm</p>	<p>GPC1 - 80 mm</p>			

Slide Bracket

Slide Brackets GS-A

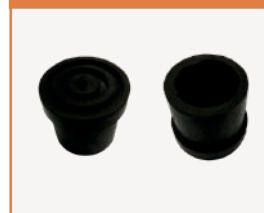


Slide Brackets GS-B



Bush

Rubber Bush ID 28 mm



Insert Nut (1/2")



Adjusters

Adjuster (1/2") Small
Without rubber pad



Adjuster Large
With rubber pad



Caster Strap
Cm100/ Cm200



Traction Arm



Pipe Linking Metal



Casters Wheel

Pressed Steel Wheel
Nylon PU 4"x1.25" Fix Type



Pressed Steel Wheel
Nylon PU 4"x1.25" Swivel Type



Pressed Steel Wheel Nylon PU
4"x1.25" Swivel with Brake Type



Pipe Inserted Wheel
Nylon PU 4"x1.25" Swivel Type

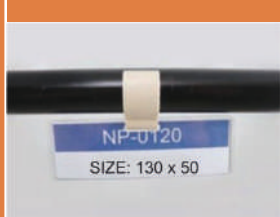


Pipe Inserted Wheel Nylon PU
4"x1.25" Swivel with Brake Type



Tag Holder

NP - 0120



NP - 0180



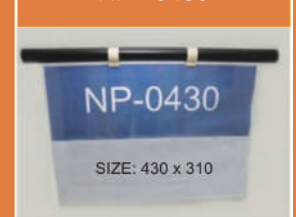
NP - 0220

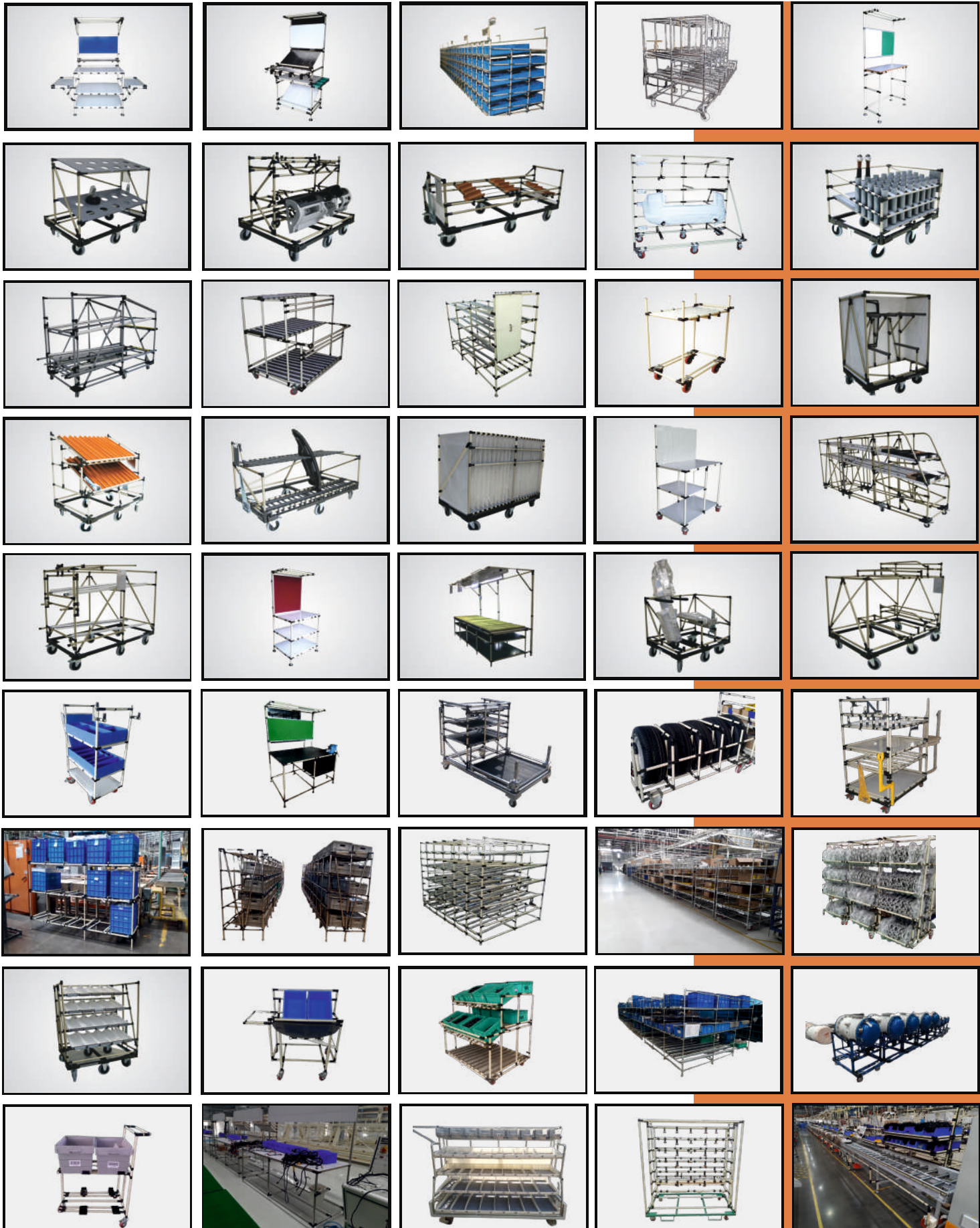


NP - 0300



NP - 0430





Our Esteemed Customers



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