PARKHAUS
AUTOMATION

Company profile 2026

Robotics, conveyors, packing & parking automation

Machine manufacturing and automation solutions, from requirements analysis to commissioning, under one roof.

Automate. Integrate. Accelerate.



About us

One engineering partner from the first drawing to commissioning

Parkhaus Automation Pvt. Ltd. is a machine manufacturing and industrial automation company based at Ghotawade, Mulshi, near Pune.

We take a production or space problem, such as manual palletizing, slow material flow, hand packing or a plot without enough parking, and turn it into a machine or system that does the job reliably, safely and at the required speed.

Our core lines are robotic systems, conveyors and material handling, packing machines and automated parking systems. Behind them sit special purpose machines, control and MCC panels and PLC/HMI/SCADA programming, all designed, built, tested and commissioned by one accountable team.

In-house design & build
Mechanical, electrical and controls engineering under one roof.

Proven before dispatch
Factory Acceptance Testing at our facility, Site Acceptance Testing at yours.

Multi-platform controls
Siemens, Allen-Bradley, Mitsubishi and CODESYS-based controllers.

Lifecycle support
Preventive maintenance, breakdown support, AMCs and upgrades.





Our vision

To build intelligent automation systems that transform industries, combining robotics, conveyors and smart automation to help businesses move faster, operate safer, reduce costs and scale efficiently.

Our mission

To deliver intelligent, reliable and scalable automation solutions that transform industrial processes, improving productivity, precision, safety and efficiency, and creating measurable value for every customer.

Automate. Integrate. Accelerate.

Productivity
Machines sized to the output you need.

Precision
Fixtures and processes that repeat shift after shift.

Safety
Guarding, light curtains and interlocks from the first layout.

Measurable value
OEE, downtime and production data you can see.

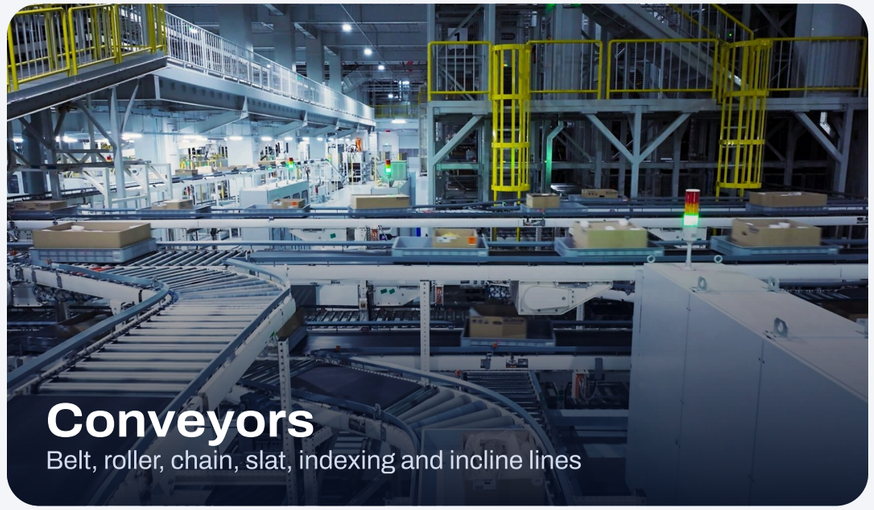
What we build

Four product lines, one engineering team



Robotic systems

Palletizing, pick & place, machine tending, welding



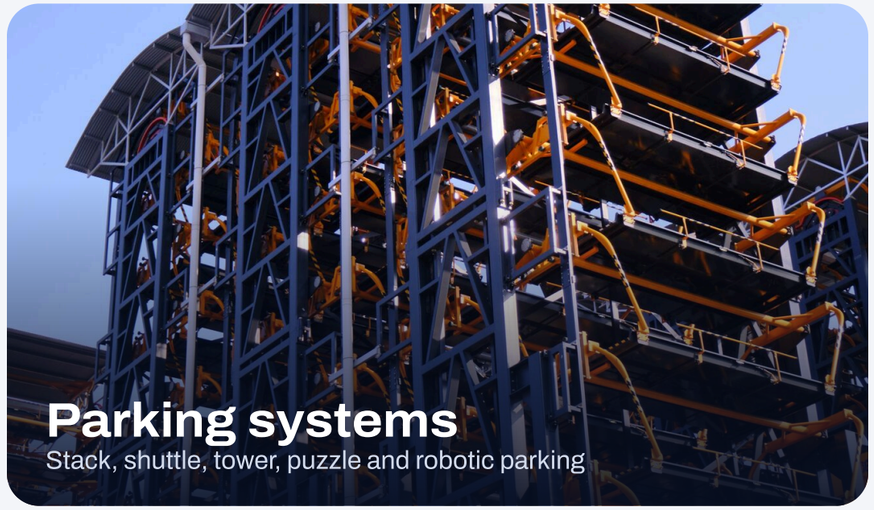
Conveyors

Belt, roller, chain, slat, indexing and incline lines



Packing machines

Counting, weighing, filling, sealing, palletizing

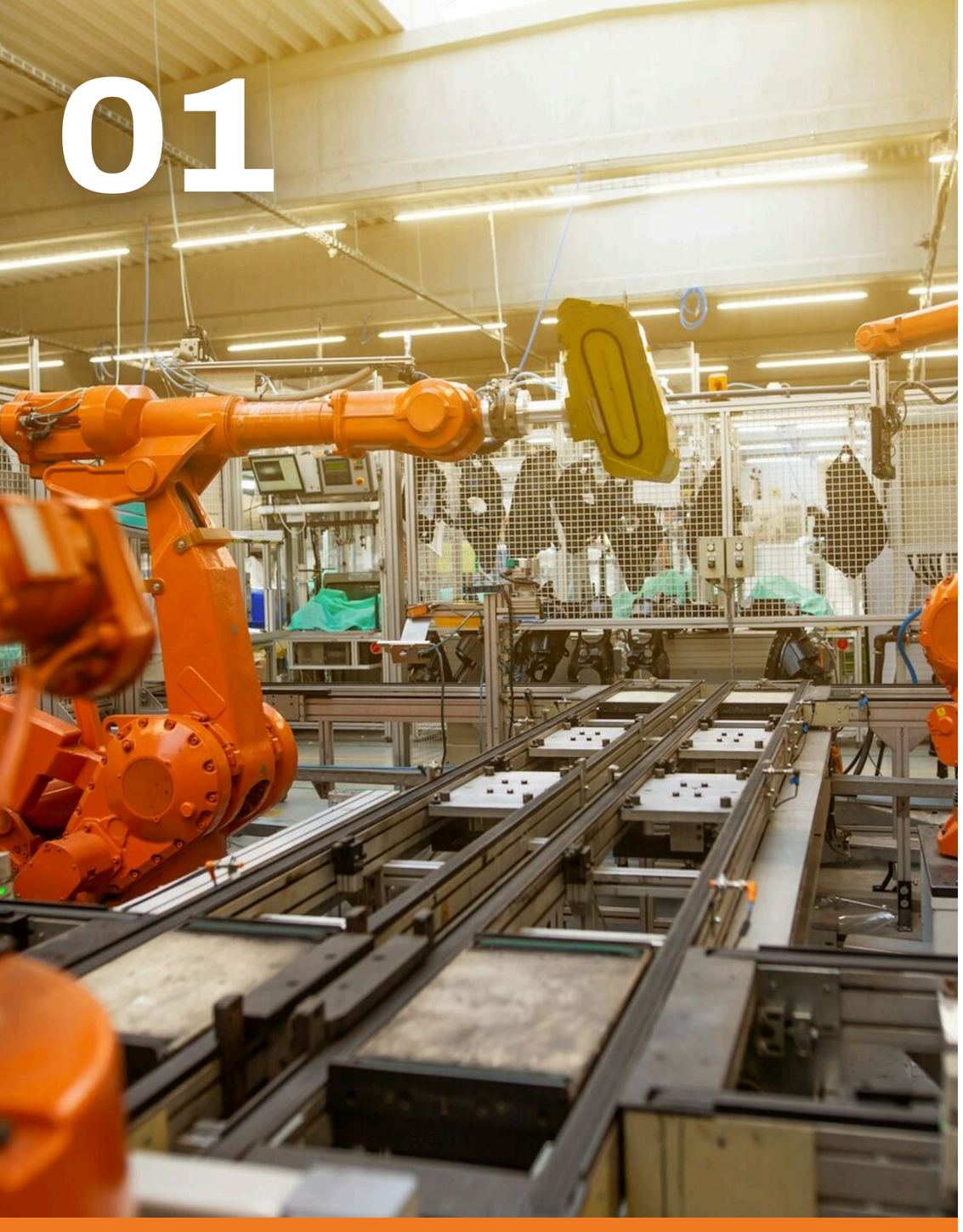


Parking systems

Stack, shuttle, tower, puzzle and robotic parking

Supported in-house by

- Special purpose machines
- Control & MCC panels
- PLC & HMI programming
- SCADA systems
- System design & integration
- Testing & commissioning
- Maintenance & support



01

Robotic systems

Robotic systems

Robot cells engineered end to end: the robot, the end-of-arm tooling, the guarding and the link to the rest of the line.

- Integration of articulated and SCARA robots for pick-place, welding, and dispensing.
- End-of-arm tooling designed for the specific part geometry and cycle requirement.
- Robot cell safety per standard — light curtains, fencing, and interlocked doors.
- Offline programming and simulation to validate reach, cycle time, and collisions.

Applications

Pick & place
High-speed part transfer

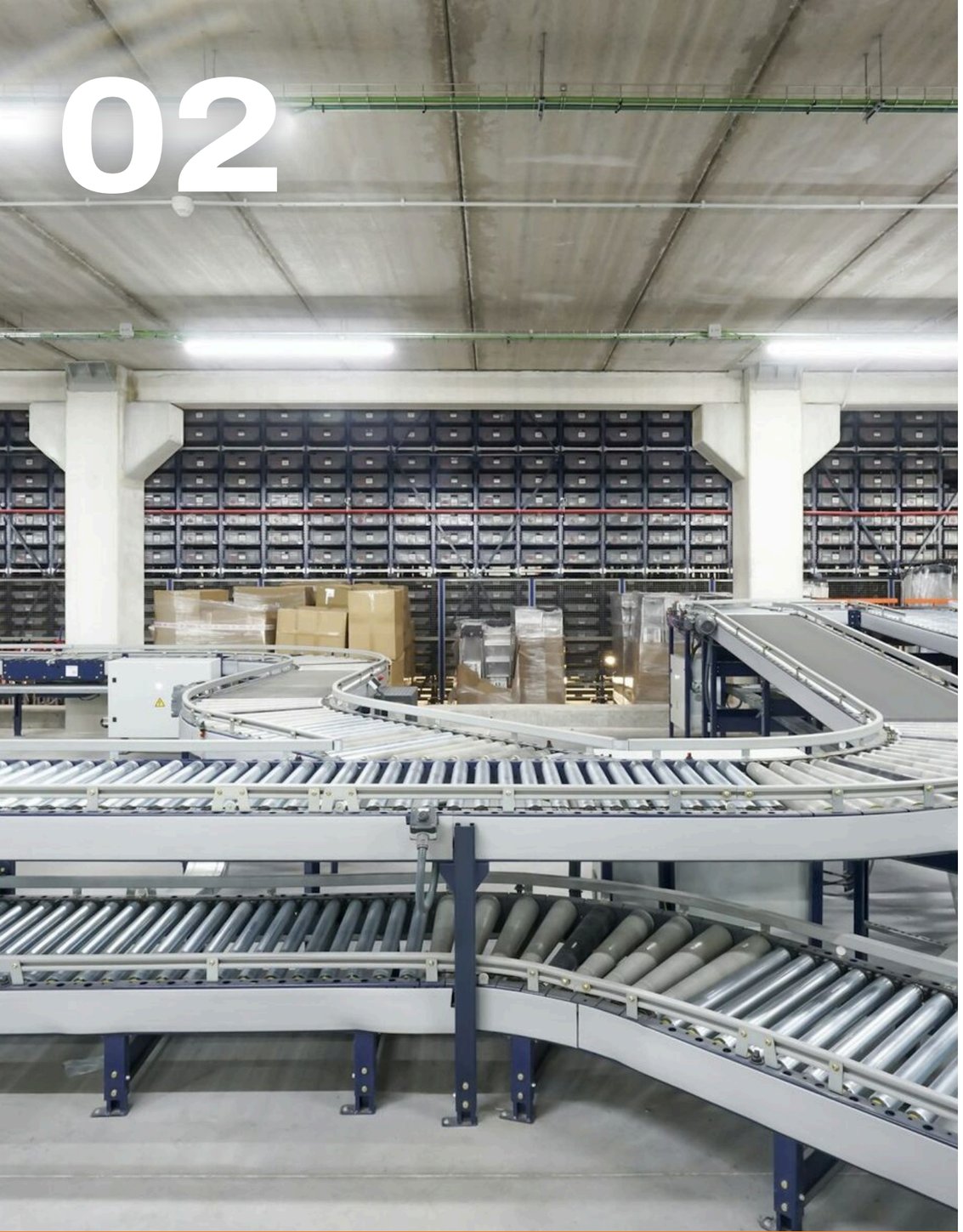
Material handling
Machine tending and palletizing

Process robots
Welding, dispensing, screwdriving









Conveyors & material handling

Conveyors & material handling

Conveyors and transfer units that move parts, cartons and pallets between stations without manual handling or floor congestion.

- Conveyor systems — belt, roller, chain, and slat — sized to part weight and pitch.
- Indexing and accumulation conveyors synchronized with upstream/downstream stations.
- Pick-and-place transfer units, lifters, and turntables for line-to-line movement.
- Layout optimized to minimize part travel, buffer stock, and floor congestion.

Conveyor types

Belt & roller
General part and pallet transport

Chain & slat
Heavy load, high-temperature duty

Indexing
Precise station-to-station positioning









Packing machines

Packing machines

Semi-automatic and automatic packing machines for the end of your line, built around your product, carton size and output rate.

- Semi-automatic and fully automatic packing stations matched to product, carton size and output.
- Counting and weighing with rejection of under- or over-weight packs.
- Carton sealing and labeling integrated with the upstream conveyor line.
- End-of-line palletizing by robot or conveyor to complete the packing line.

Typical scope

Counting & weighing
Correct quantity and weight in every pack

Sealing & labeling
Carton taping and label application

Palletizing
Robotic or conveyor end-of-line







Automated parking that multiplies space

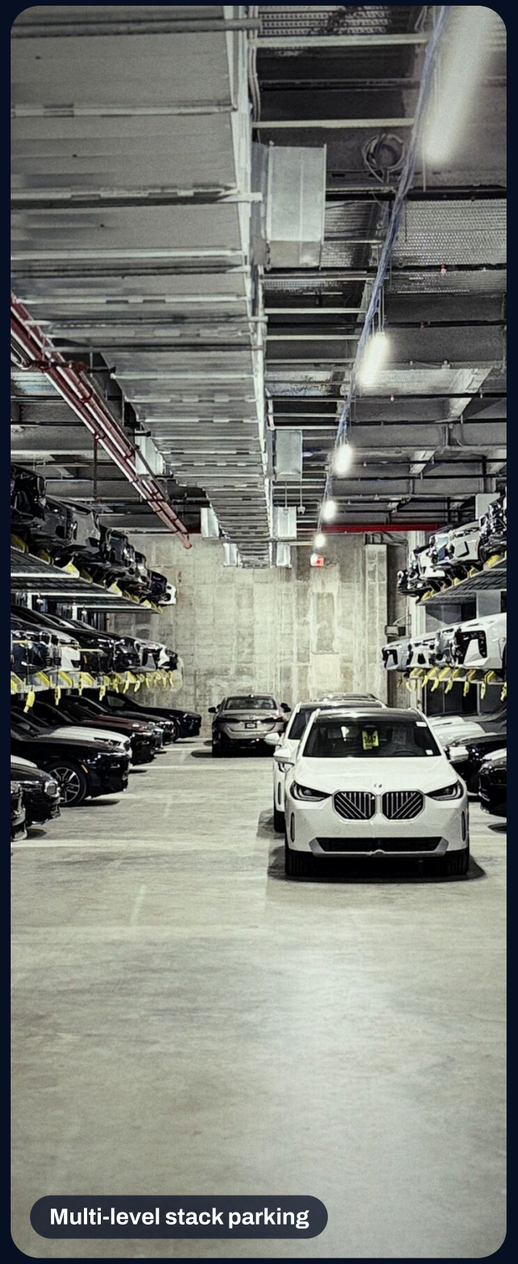
Mechanised parking is automation: structures, drives, sensors, safety interlocks and a control system that has to work every time a driver arrives. We bring the same engineering behind our robotics and conveyors to every parking system.

AI-powered parking management
Autonomous vehicle movement and space allocation.

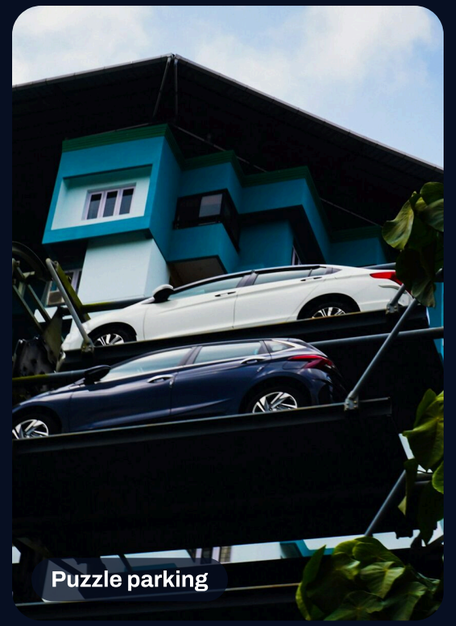
Stack parking system
Vertically stacks vehicles to optimize space.

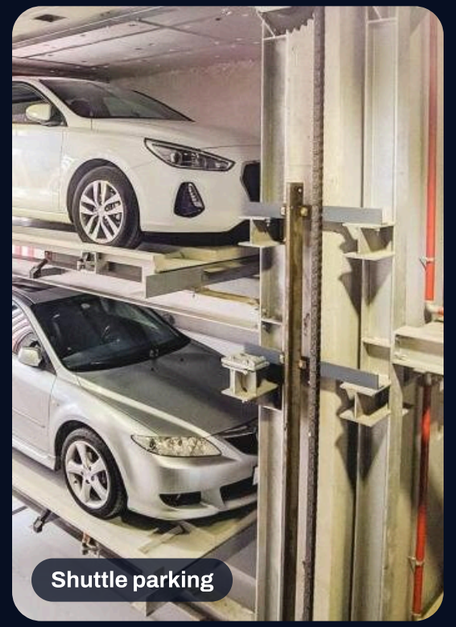
Shuttle parking system
Automated shuttles transport vehicles to spaces.

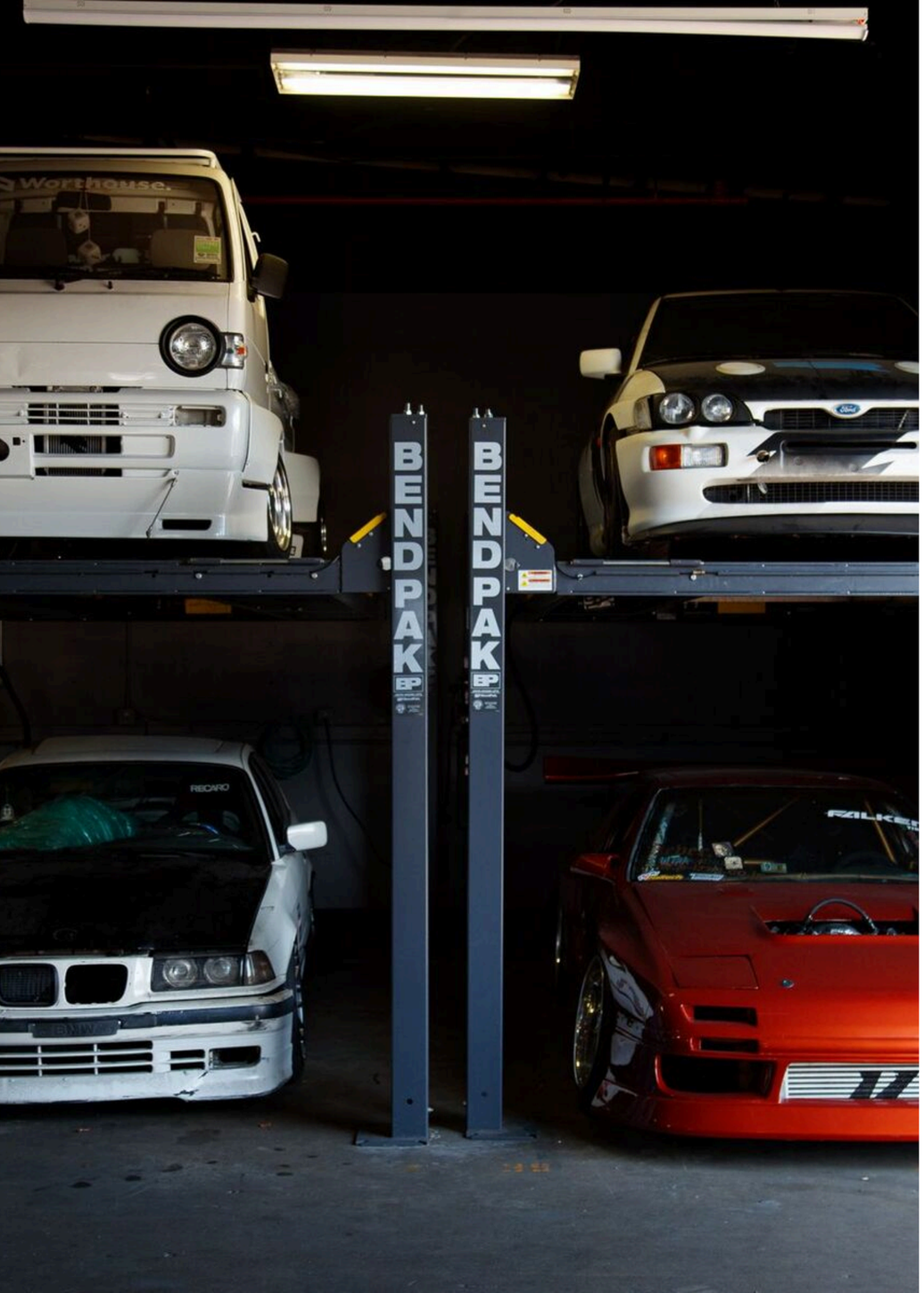
Tower parking system
High-rise vertical parking for dense areas.


Multi-level stack parking


Tower parking


Puzzle parking


Shuttle parking



Parking systems

From plot to handover

01 **Site & requirement study**
Plot dimensions, number of cars, vehicle sizes, peak traffic.

02 **Feasibility & layout**
System type recommendation and parking layout.

03 **Design & manufacture**
Structure, drives, safety and controls built in-house.

04 **Installation & commissioning**
Erection, testing, user training and handover.

05 **Maintenance**
Preventive maintenance and breakdown support.

Where it fits

- Residential towers
- Commercial & office buildings
- Hospitals & public buildings
- Malls & hotels
- Redevelopment projects
- Industrial campuses

Share the plot dimensions and the number of cars you need to park. We will recommend a system type and a layout.

Special purpose machines

Special purpose machines

Special Purpose Machines designed and built around one part or one process, with frames, fixtures and jigs fabricated in-house.

- Design and build of Special Purpose Machines tailored to a specific part or process.
- In-house fabrication of frames, fixtures, and jigs to design tolerance.
- Precision machining and sourcing of standard components — drives, cylinders, sensors.
- Built for repeatability, operator safety, and ease of changeover between variants.

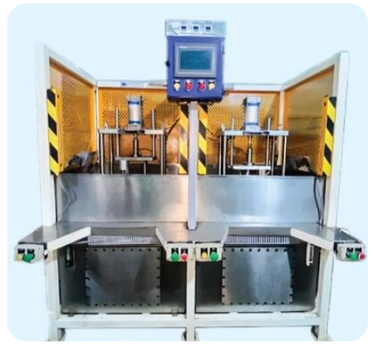
Press-fit & riveting
Force-controlled assembly SPMs

Leak & torque
Functional test SPMs

Multi-station
Rotary index and inline SPMs







Control panel & MCC panel

Control panel & MCC panel

Control and motor control centre panels designed, built and tested in-house, then shipped with labelled wiring and as-built drawings.

- Design and fabrication of control panels housing PLC, relays, and I/O terminals.
- MCC (Motor Control Centre) panels for motor starters, VFDs, and protection devices.
- Panel wiring per IS/IEC standards with proper labeling, ferruling, and cable management.
- Factory Acceptance Testing (FAT) — insulation, continuity, and functional checks.

Control panel
PLC, relays, power supplies, terminals

MCC panel
Starters, VFDs, contactors, overloads

Protection
MCBs, MPCBs, surge protection







PLC & HMI programming

PLC & HMI programming

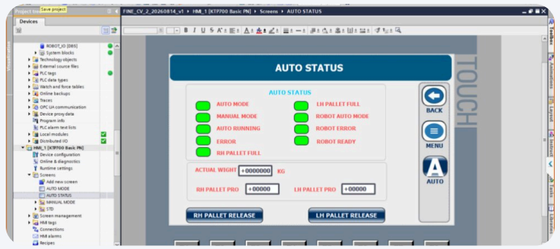
Structured, commented control logic and operator screens that your maintenance team can read and change later.

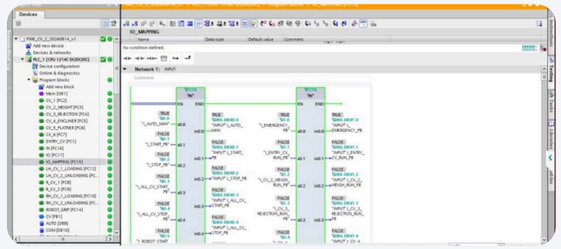
- Ladder logic and structured text development for Allen-Bradley, Siemens, and Mitsubishi PLCs.
- CODESYS-based platform support including WAGO, Schneider, ABB, and Beckhoff controllers.
- HMI screen design for operator interaction, alarms, recipe management, and diagnostics.
- Structured, commented code with change management for long-term maintainability.

PLC platforms
Allen-Bradley, Siemens, Mitsubishi, CODESYS

HMI design
Operator screens, alarms, recipes

Commissioning
On-site logic tuning and sign-off





SCADA systems

SCADA systems

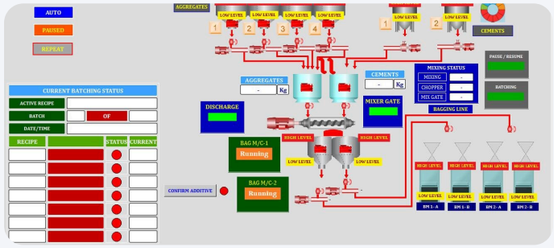
Supervisory systems that show what every machine is doing now and what it did last shift, so production decisions are based on data.

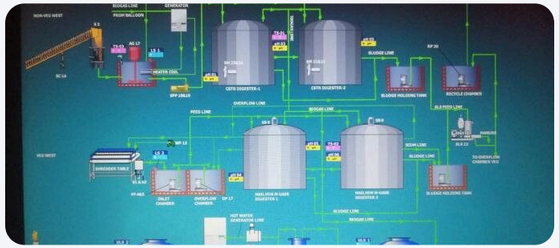
- Centralized supervisory dashboards for real-time monitoring of machines and lines.
- Historical trending, alarm management, and OEE (Overall Equipment Effectiveness) tracking.
- Communication over Ethernet/IP, Modbus, Profinet, and OPC-UA to plant systems.
- Remote access and reporting to support data-driven production decisions.

OEE
Availability, performance, quality

Downtime analysis
Fault logging and root-cause trends

Production count
Shift-wise and batch-wise reporting





PLC & controllers
Siemens, Allen-Bradley, Mitsubishi, CODESYS, WAGO, Schneider, ABB, Beckhoff

Communication
Ethernet/IP, Profinet, Modbus, OPC-UA

Motion, robots & safety
Articulated & SCARA robots, Servo drives, VFDs, Pneumatics, Hydraulics, Light curtains

How we work

Eight stages, each with an output you sign off

01
Requirement study
Process parameters, product variants, cycle time, utilities and safety review.

02
Concept development
Preliminary layout, technical approach, budget and timeline.

03
Engineering design
Mechanical, electrical and controls design developed together.

04
Manufacturing
Fabrication, fixtures, panel building and component integration.

05
Assembly & programming
Assembly, wiring, PLC programming and HMI development.

06
Factory testing
FAT, repeatability, quality and cycle-time validation.

07
Installation & commissioning
Installation, SAT, operator training and production sign-off.

08
Lifecycle support
Preventive maintenance, breakdown support and upgrades.

Quality & safety

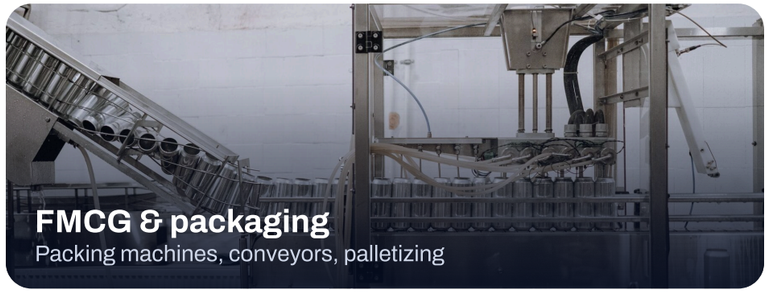
Validated before it reaches your floor

- 3D simulation and interference checks before fabrication
- Robot cell safety per standard: light curtains, fencing, interlocked doors
- Panel wiring to IS/IEC with labelling, ferruling and cable management
- Insulation, continuity and functional checks during FAT
- Cycle-time and repeatability trials before dispatch
- Site Acceptance Testing and punch-list closure at handover

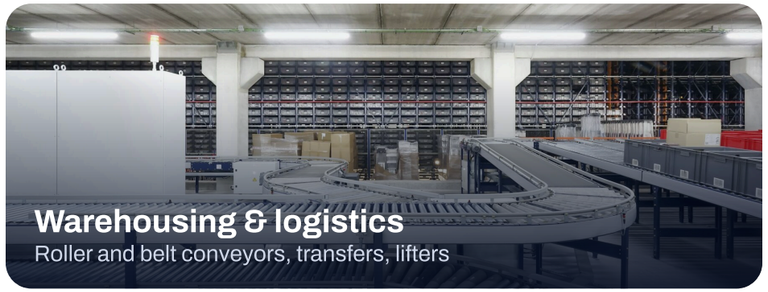
Industries

Industries we build for

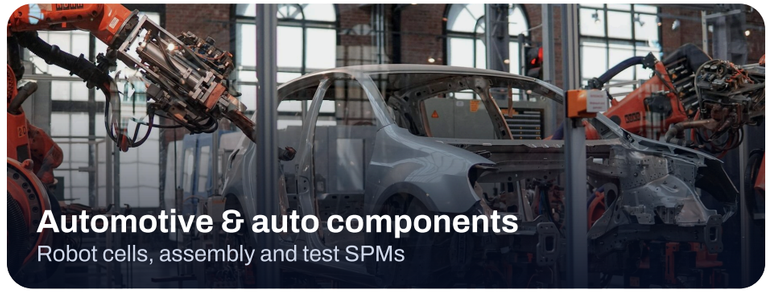
Typical applications for our robot cells, conveyors, packing machines and parking systems.



FMCG & packaging
Packing machines, conveyors, palletizing



Warehousing & logistics
Roller and belt conveyors, transfers, lifters



Automotive & auto components
Robot cells, assembly and test SPMs



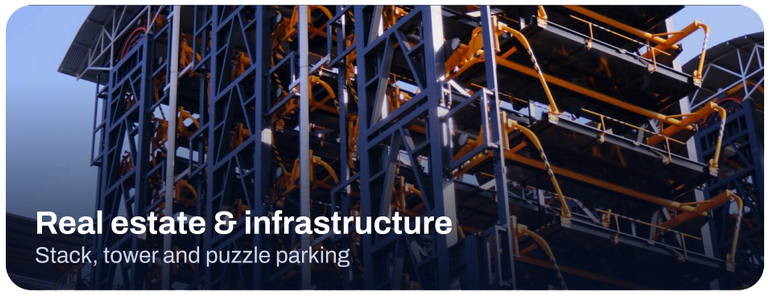
Engineering & fabrication
Press lines, fixtures, machine tending



Food, beverage & pharma
Filling, sealing and bottle conveyors



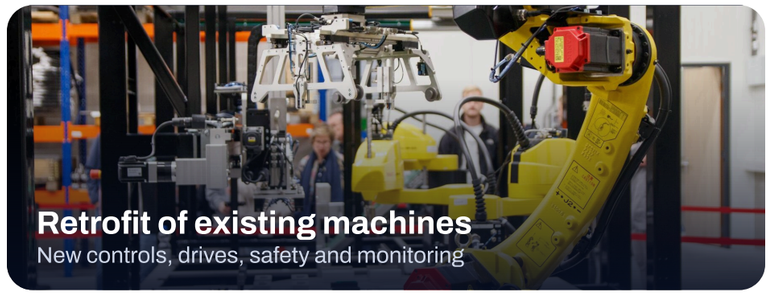
Process plants
Batching control, SCADA, MCC panels



Real estate & infrastructure
Stack, tower and puzzle parking



Hospitals, malls & public buildings
Automated parking on tight plots



Retrofit of existing machines
New controls, drives, safety and monitoring

PARKHAUS
AUTOMATION

Let's automate your next line

Send us the product, the current process and your output target, or the plot and number of cars for a parking project. An engineer will reply with a practical approach.

- One partner for robotics, conveyors, packing and parking
- Custom solutions engineered around your product
- Mechanical, electrical and controls expertise in one team
- Structured FAT and SAT with documented protocols
- Commented PLC code and change management
- Operator training and post-commissioning support

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Some photographs show representative system types. Specifications are tailored to each project.