



TECHLABS



Successful automation projects require know-how, experience, an intelligent team and cutting-edge technology.

The background of the slide is a composite image. The top half shows several orange industrial robotic arms in a factory setting, with a dark blue semi-transparent overlay containing text. The bottom half shows a detailed view of a car's engine and chassis, also with a dark blue semi-transparent overlay containing text.

About i6 TechLabs

Relying on interdisciplinary teams of experienced specialists

From the idea to the turnkey system, we are your partner and service provider in the system solution. As a specialist in efficient plant planning, we support you in optimizing your production.

Quick and unbureaucratic decisions combined with responsible action - these are values that distinguish our company. All services and products that we render are based on our indepth experience of automation and assembly technology.

We rely on a team of competent colleagues in all areas, who are all specialists in their respective fields and act with foresight and process understanding.

Industry wise Solutions



Consumer Goods

Product handling robots can automate some of the most tedious, dull, and unsafe tasks in a production line and is one of the easiest ways to add automation.



Agriculture

Indoor vertical farming can increase crop yields, overcome limited land area, and even reduce farming's impact on the environment by cutting down distance traveled in the supply chain.



Automotive

- Product based solutions
- Process based solutions
- Machine Configurations



Health Care

UV DISINFECTION ROBOTS :
The technology uses concentrated UV-C light emitted by the robots as they drive & more.



Logistics

AUTONOMOUS MOBILE ROBOT
Start automating your industrial facility today with autonomous mobile robots. The autonomous robot can work up to 3 shifts and is easy to use thanks to its intuitive web interface and its fleet management system.



Clean Energy

SOLAR PANEL CLEANING ROBOTS
This cutting-edge robots clean both roof and ground mounted solar arrays to a high standard.

The Right Expertise for Your Industry. Benefit from our extensive experience and best practices across multiple sectors, technologies and markets.

1

Tray Feeder



PALLETIZING SYSTEM FOR 400 X 600 MM TRAYS

Optional tray sizes: 300 x 400 mm / 600 x 800 mm

- Reliable handling of disposable trays
- Loading height 800 mm
- Pick & place time < 3 sec
- Tray changeover time < 7 sec
- Design version on request
- Clean room class 7 available



PALLETIZING SYSTEM FOR 400 X 600 MM TRAYS

Optional tray sizes: 300 x 400 mm / 600 x 800 mm

- Two vertical axes for rapid tray changeover
- Pick & place time < 3 sec
- Tray changeover time < 4 sec
- Loading and unloading using conveyor belt or transport trolley
- Design version on request Clean room class 7 available



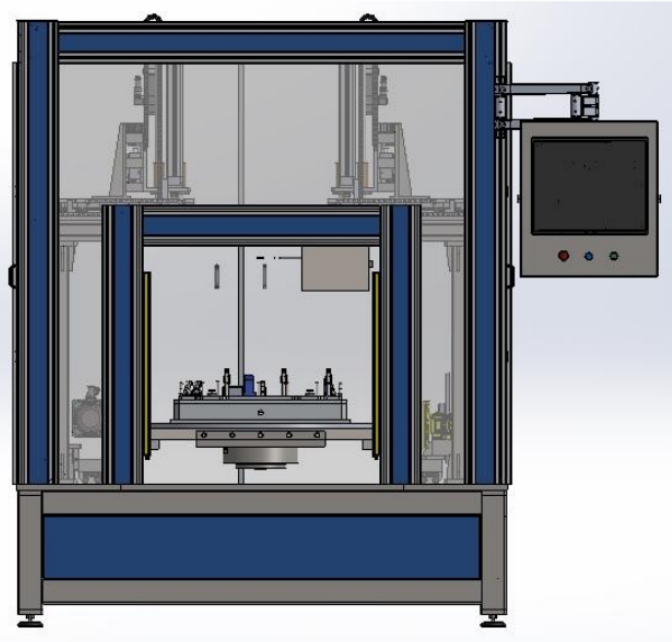
PALLETIZING SYSTEM FOR 400 X 600 MM TRAYS

and ISO pallets

- Combined system consisting of tray loader and EURO/ISO pallet stacker
- Integrated shuttle system between tray loader and pallet stacker
- Reliable handling of disposable trays
- Design version on request Clean room class 7 available

2

Hot Insert Embedding Machine

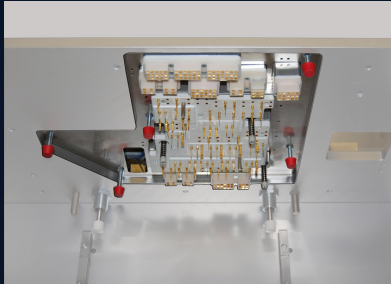


5-AXIS AUTOMATIC HOT INSERT EMBEDDING MACHINE

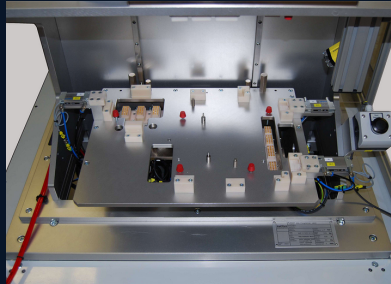
Technological Details

- Automatic machine for flexible heat pressing of threaded bushes in plastic parts (e.g. intake manifolds, cylinder head covers, trim parts, housings, etc.)
- 5-axis of pressing of parts requires fewer re clamping processes and increases productivity
- Different shapes or material of bushings can be used (e.g. with different thread diameters, conical or cylindrical, steel, aluminium or brass)
- Dual 3 axis pressing head with independent heaters (instant heating by High frequency generators). Simultaneous pressing of both arms gives class leading processing speed.
- State of the art "Linear motor servo systems" for high speed movement and "Direct drive" technology for easier cable management.

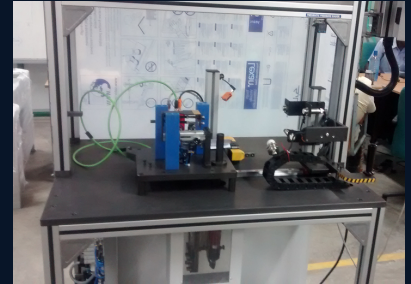
Projects



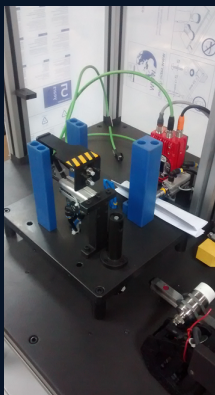
**EOL test bench for
electrical testing of
Electronic Control Unit**



**EOL test bench for
electrical testing of
Electronic Control Unit**



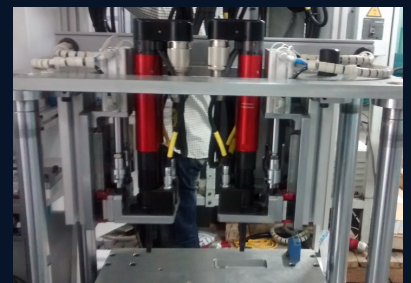
**EOL test bench for
Battery box**




**EOL test bench for
Battery box**



**Leak testing for
ECU cover**



**Screw tightening
machine with with
XY servo table**

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