



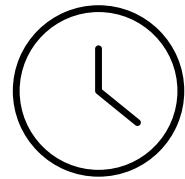
Diseño y Maquinado Industrial

DESIGN AND INDUSTRIAL MACHINING

WWW.HCLDMI.COM



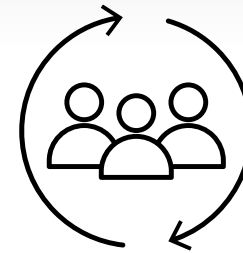
CONTENT



OUR HISTORY



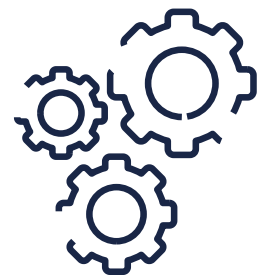
MISION AND
GOAL



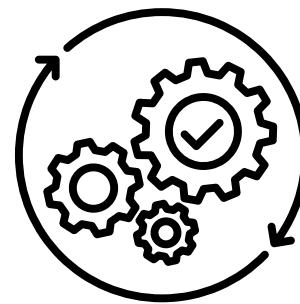
CUSTOMER



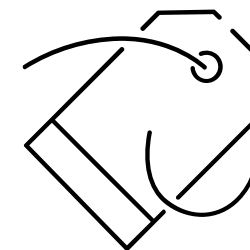
PRODUCTS
AND
SERVICES



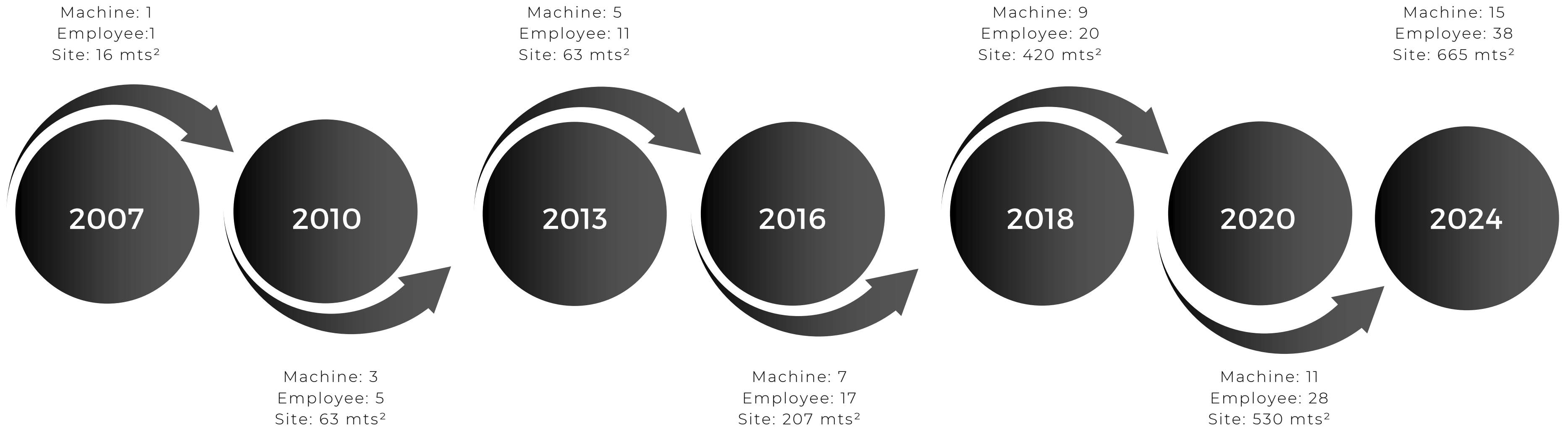
MACHINERY



PROJECTS



BRANDS



MISSION



·PROVIDE OUR CUSTOMER WITH A COMPLETELY PERSONALIZED SERVICE ACCORDING TO THEIR NEEDS.

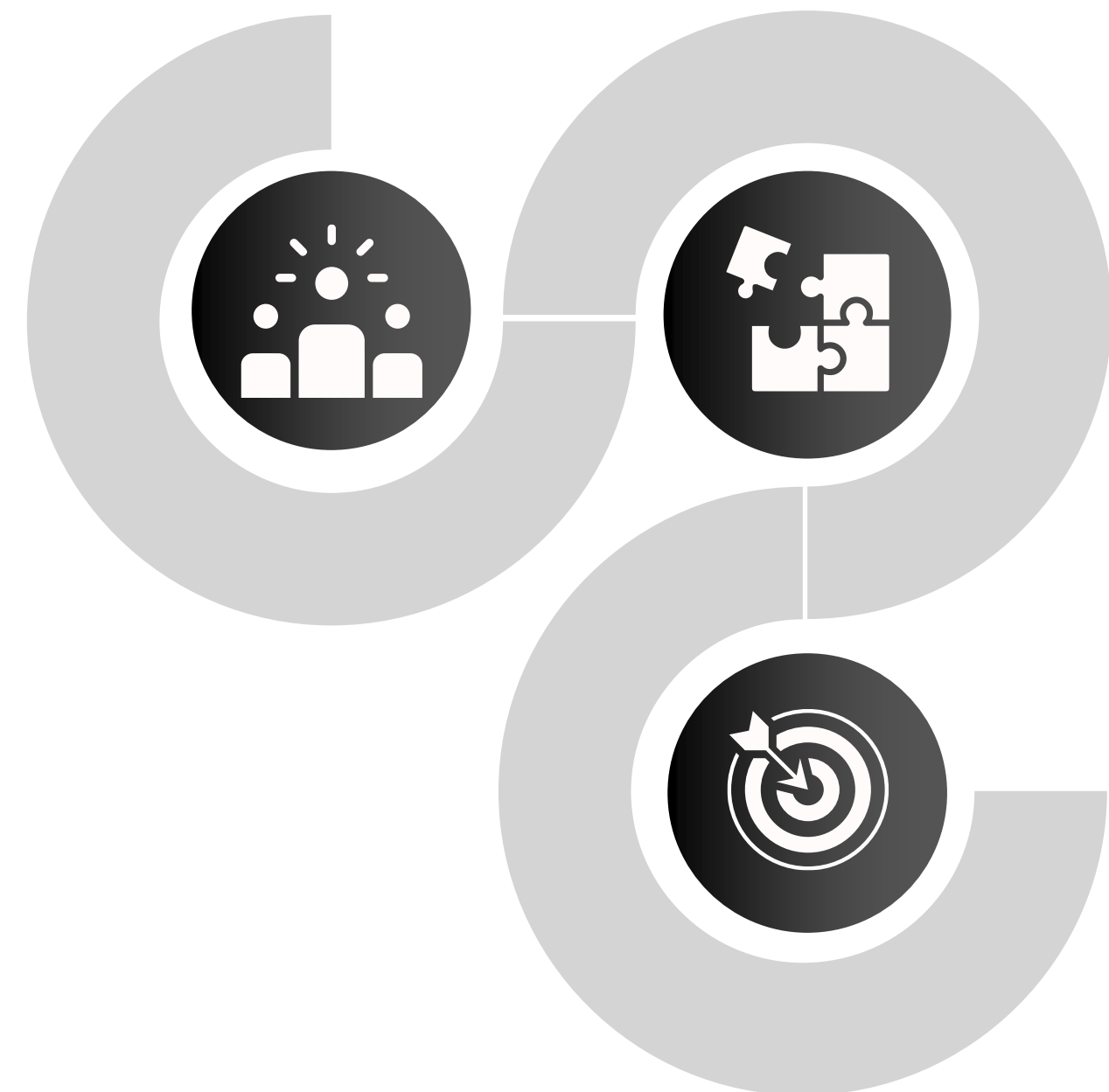


·OFFER INNOVATIVE SOLUTIONS FOCUSED ON PROCESS IMPROVEMENTS.



GOALS

•TO BE A LEADING AND RECOGNIZED COMPANY IN THE NORTHWEST OF THE REPUBLIC, EMPHASIZING OUR WORK IN THE AREAS OF DESIGN, MACHINING, INTEGRATION AND AUTOMATION OF EQUIPMENT; STAYING AT THE FOREFRONT THROUGH TECHNOLOGY AND CONTINUOUS IMPROVEMENT FOR A COMMON GOOD BETWEEN CLIENT AND SUPPLIER.



OUR CUSTOMER

- COOPERSTANDARD EMPALME
- COOPERSTANDARD GUAYMAS
- TE CONECTIVITY ICT
- TE CONECTIVITY AEROSPACE
- TE CONECTIVITY AUTOMOTIVE
- TE CONECTIVITY EMPALME
- TE CONECTIVITY MEDICAL
- HUBER + SUHNER
- INFINITE ELECTRONICS
- PARKER
- ST CLAIR TECHNOLOGIES
- SYEEF



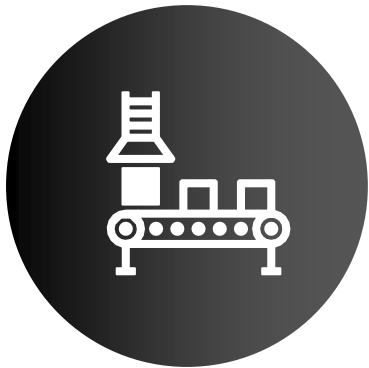
SERVICES AND PRODUCTS



**CNC
MACHINING**



**WELDING
TIG/MIG**



**SERIAL
PRODUCTION
SERVICE**



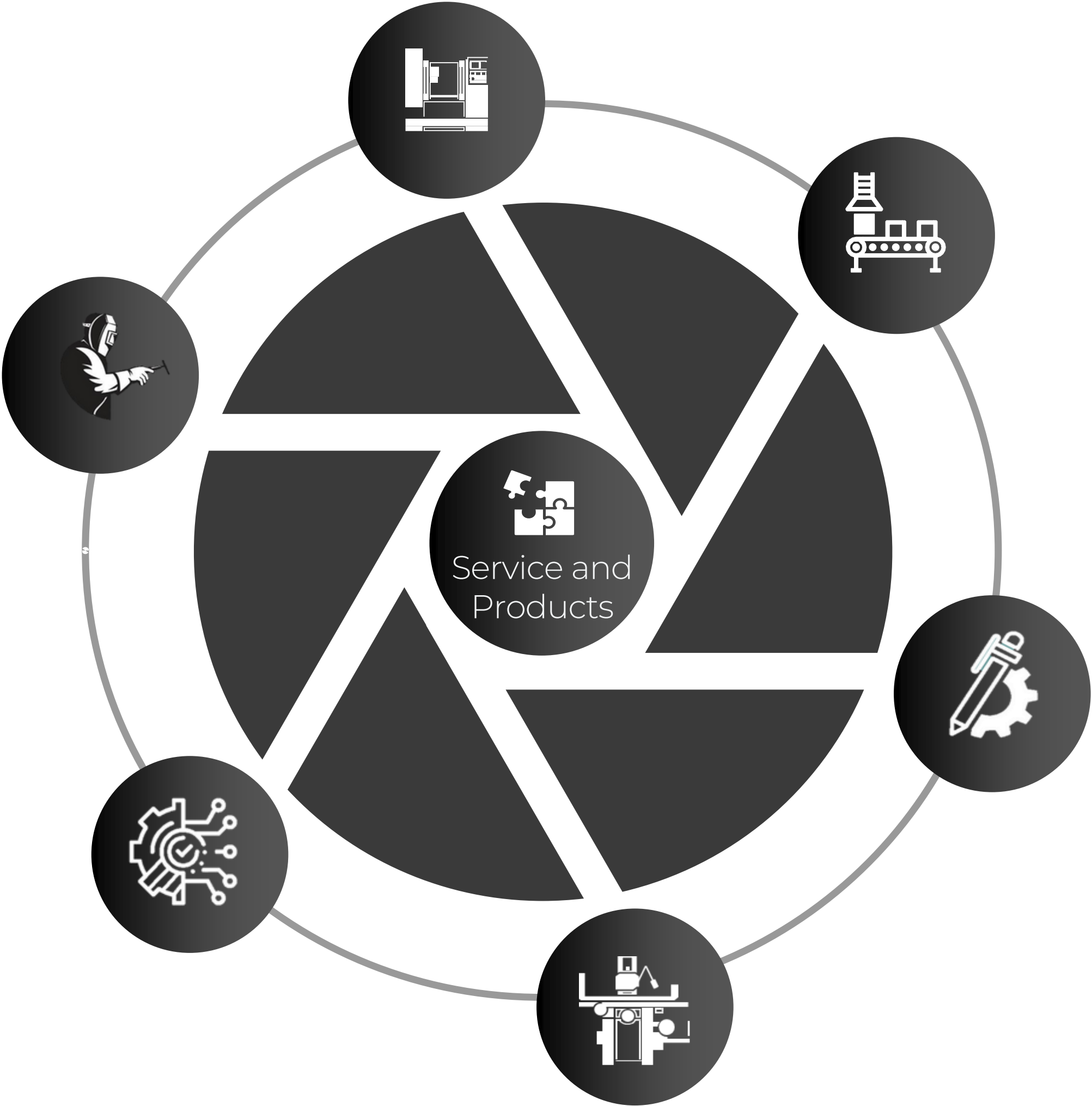
**INDUSTRIAL
DESIGN**



**SPECIAL
TREATMENTS**



AUTOMATION



MACHINERY



WIRE EDM
Mitsubishi
Electric



Machining
center HASS
VF-1



Optical
Comparator
Mitutoyo



Sandblaster



Machining center
HASS Minimill 2



Milling machine
VIWAVF4



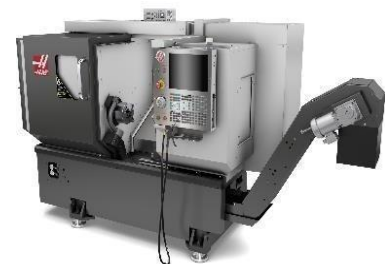
Machining center
ROMI



Felder
Combination
Machine



Conventional
milling
Machines



Lathe Hass ST-
15



Surface grinding
machine Chevalier



Conventional
Lathe



Oven



Welding
Machine

MACHINERY

- Machining center CNC ROMI (1)
- Machining center CNC mini mill (1)
- Machining center HAAS VF1 (1)
- Turning center st15 HAAS (1)
- Conventional lathe (1)
- Wire EDM (1)
- Milling machine CNC VIWA (2)
- Manual milling machine(6)
- Surface grinding machine(1)
- Horizontal Band Saw Machine (1)
- FELDER Combination Machine (1)

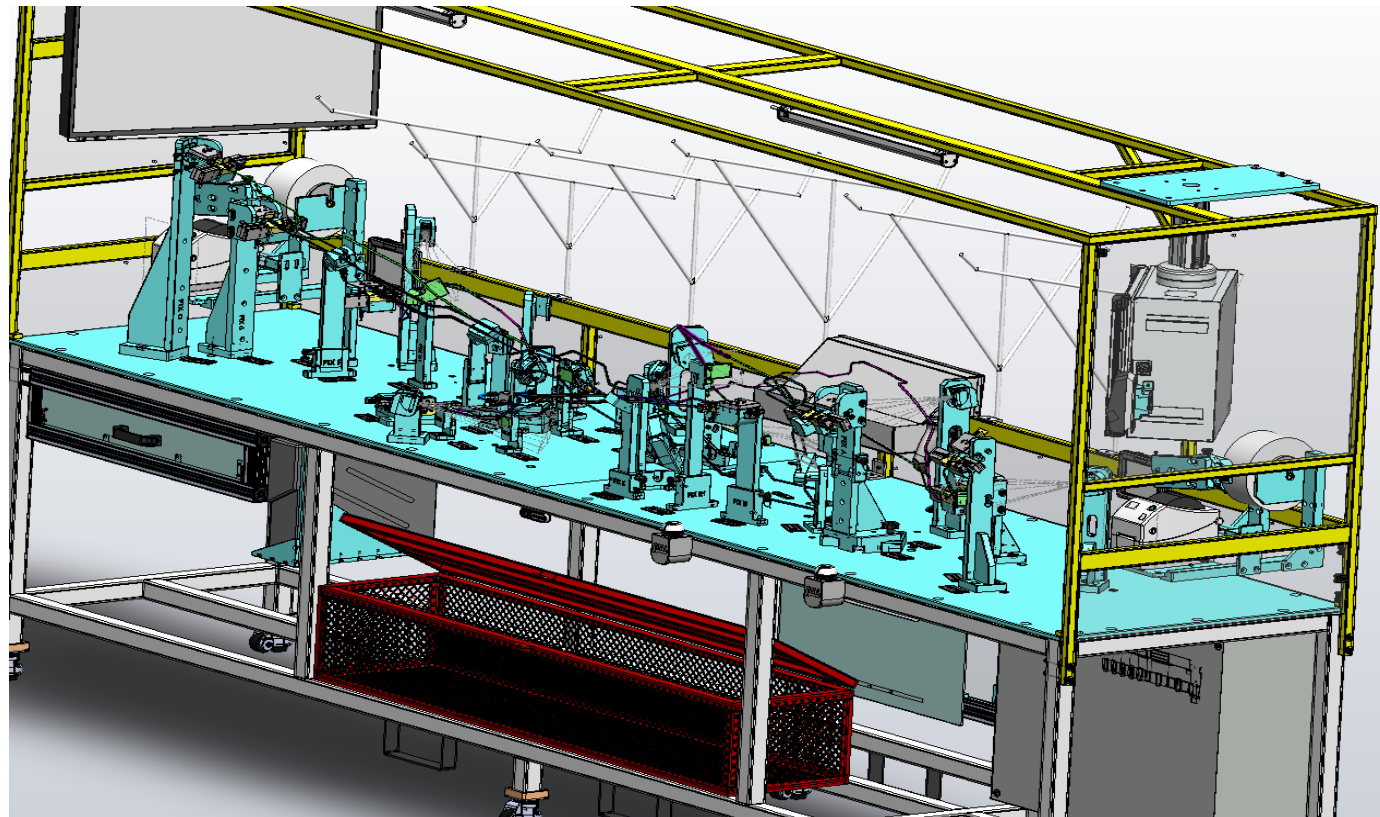


PROJECT

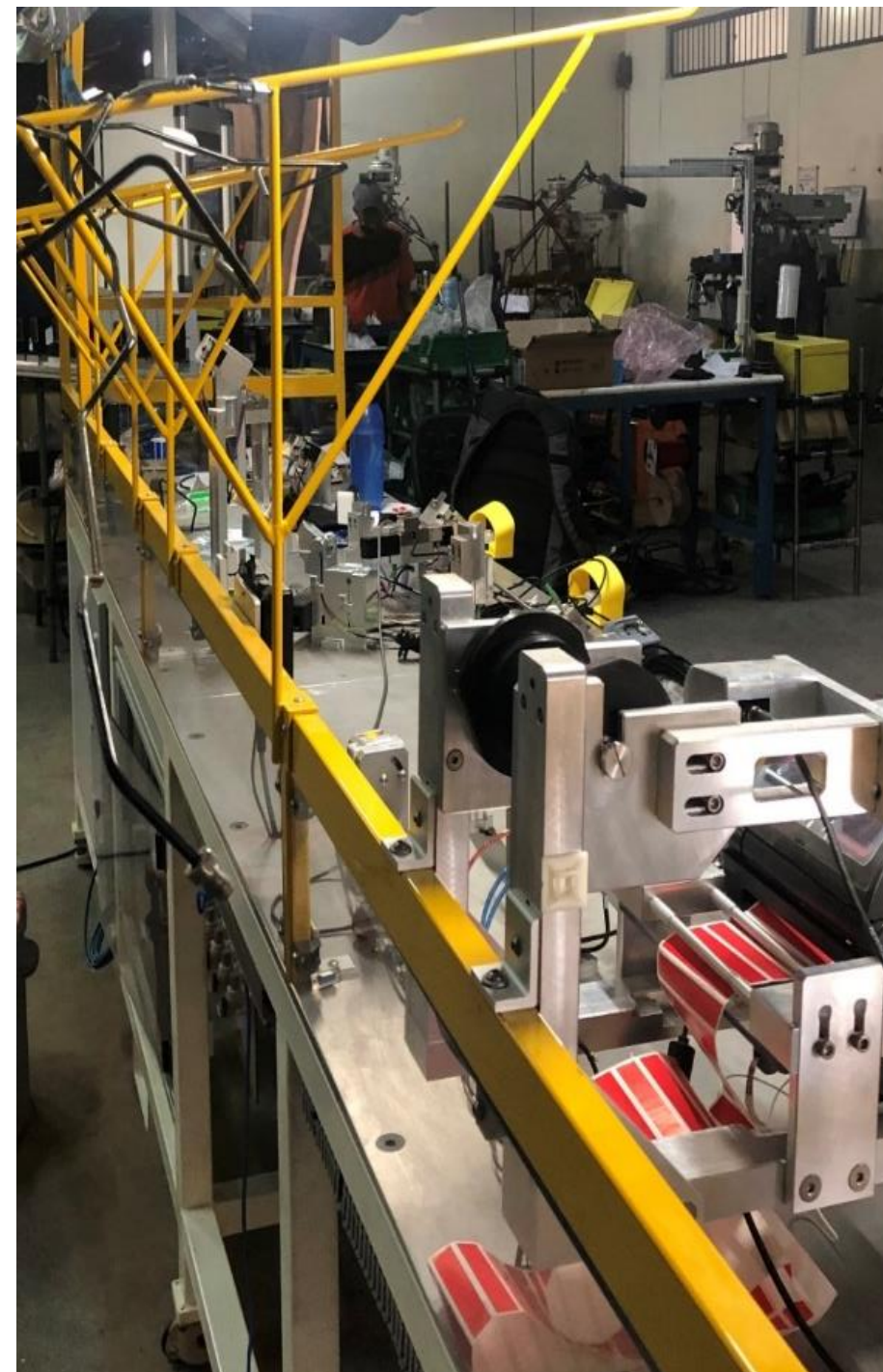
Name: *Work Table*

Company: COOPERSTANDARD

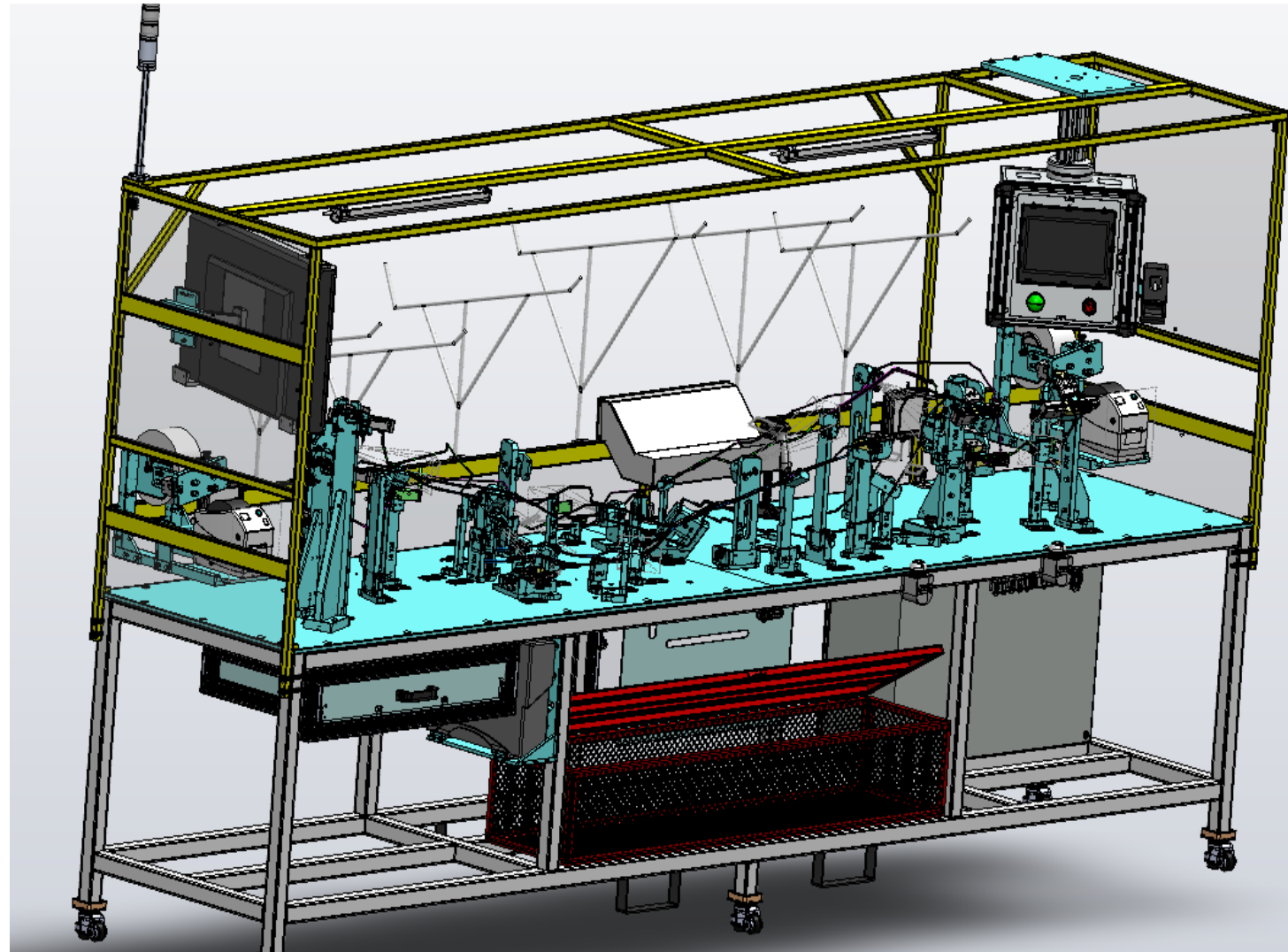
Description: Work-table for flow testing,
presence of components and traceability



3D Model, with the fixture. A screen for the operator was integrated as well as a printer for part labeling.



PROJECT



3D Model

Integration in the assemble table.

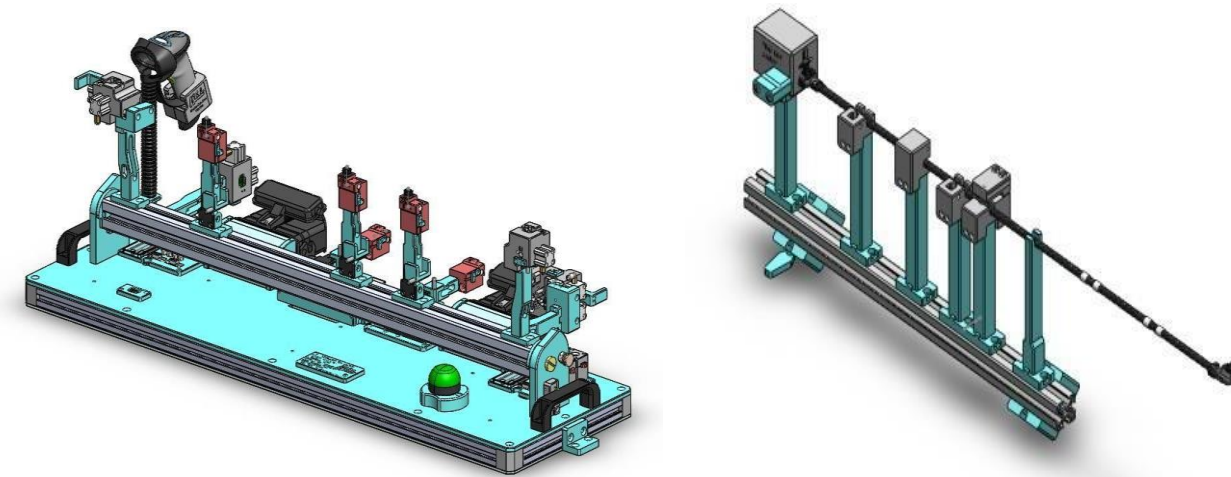
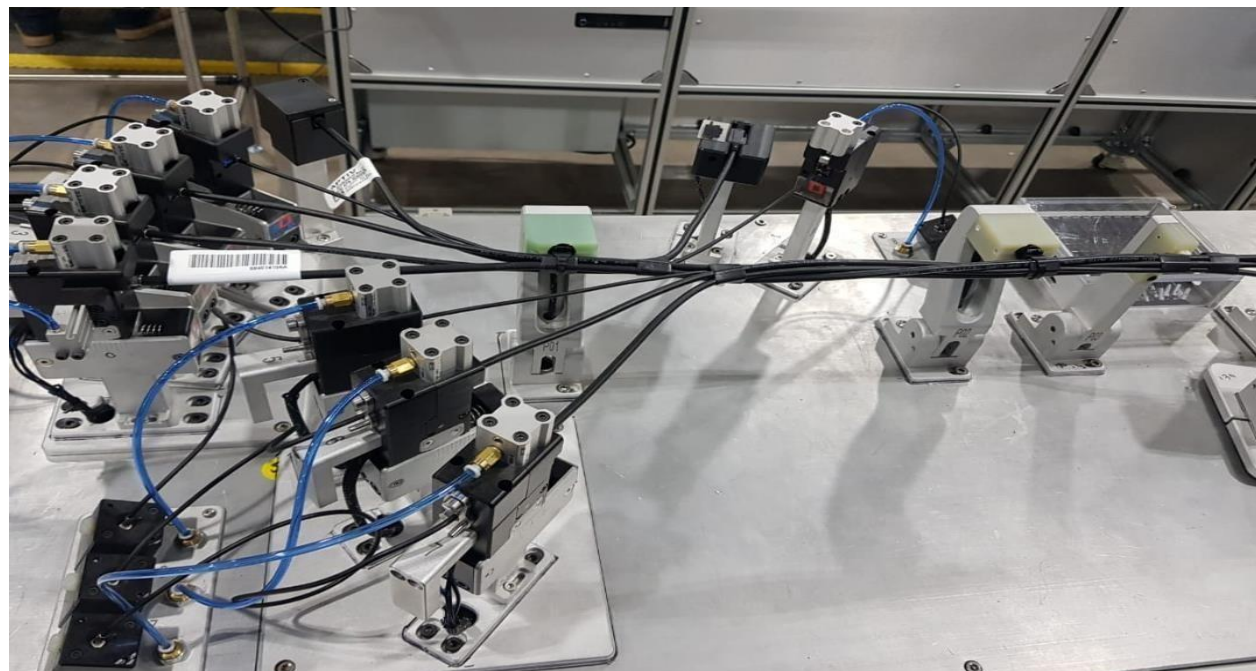


PROJECTS

Name: *Wrap Board*

Company: TE connectivity

Description: Conventional wrap boards or with component detection and electric test / HIT-POT



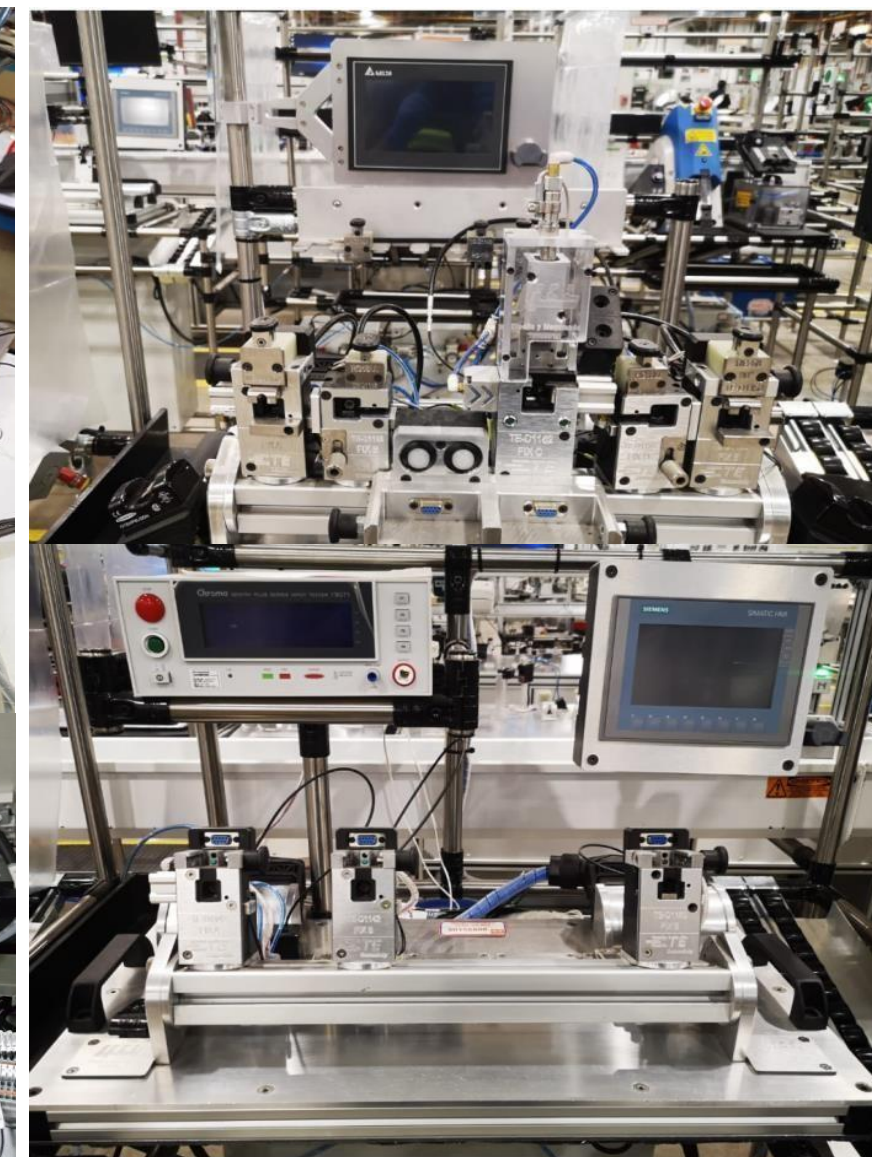
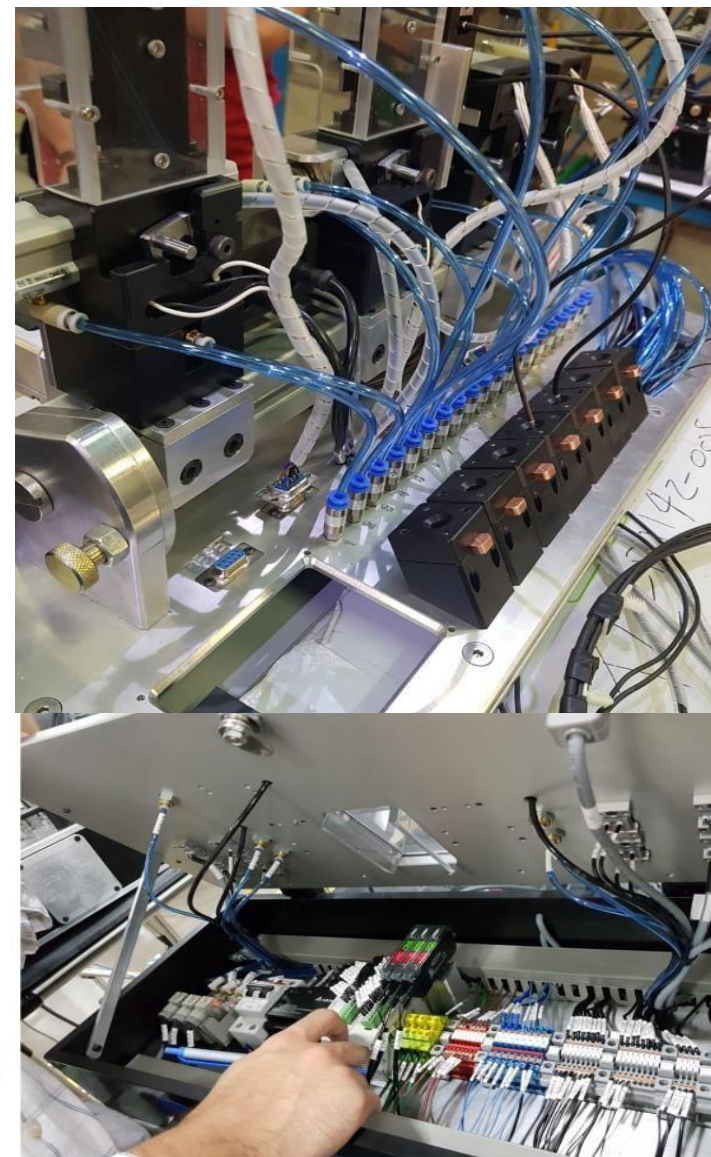
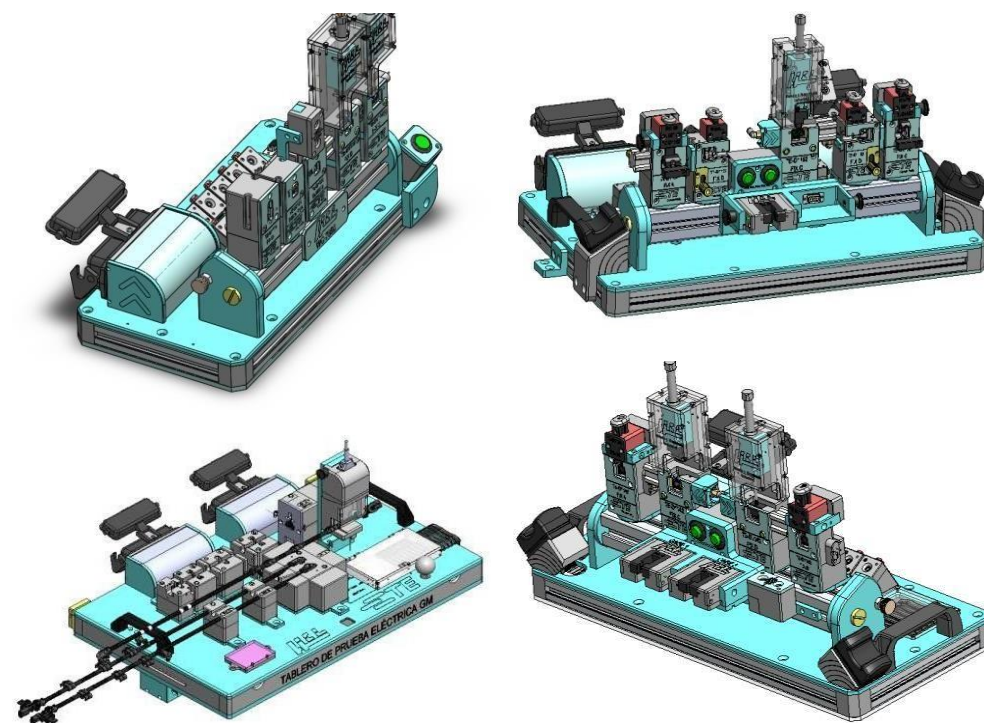
3D Model

PROJECT

Name: *Electrical test.*

Company: TE connectivity 5

Description: Electrical test boards and fixtures with integrated control and final test boards with component detections.

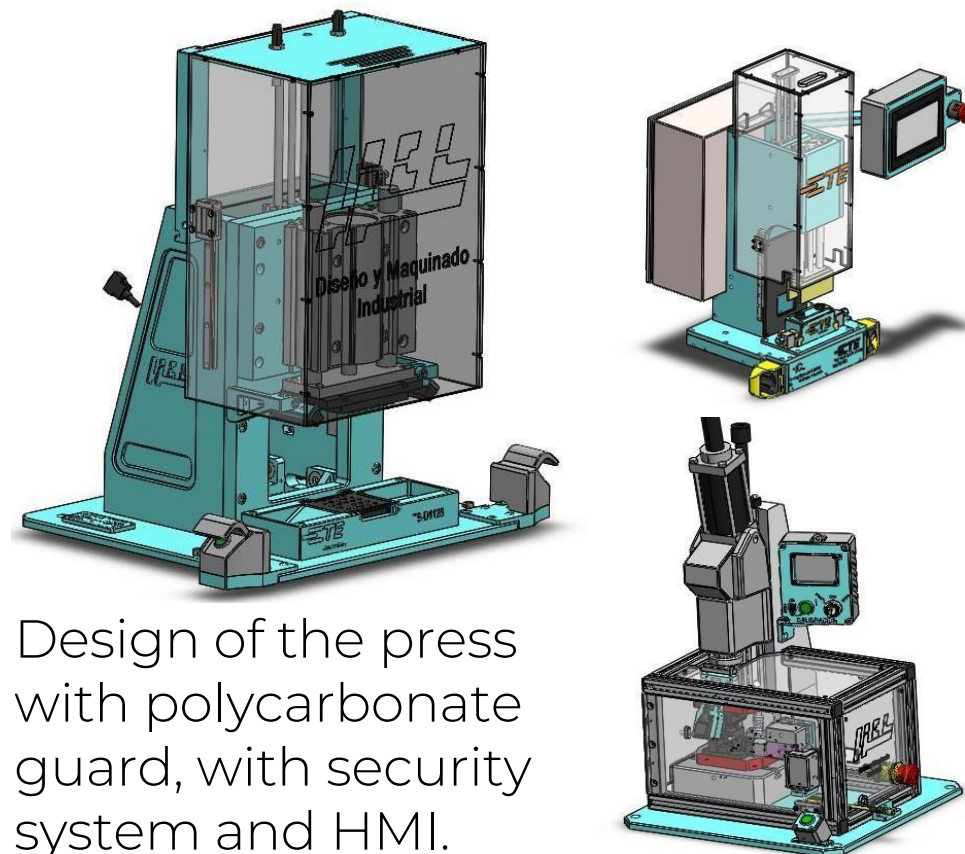


PROJECT

Name: *TE Press*

Company: TE connectivity

Description: Press integration and fixture for assemble and inspection of the components in general.



Design of the press with polycarbonate guard, with security system and HMI.

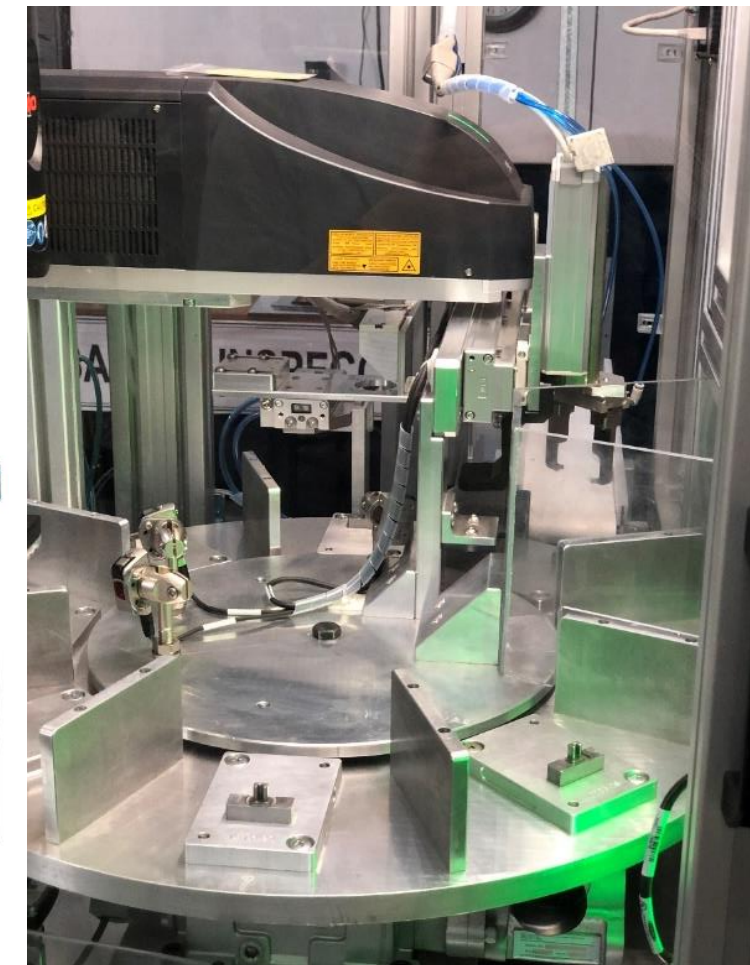
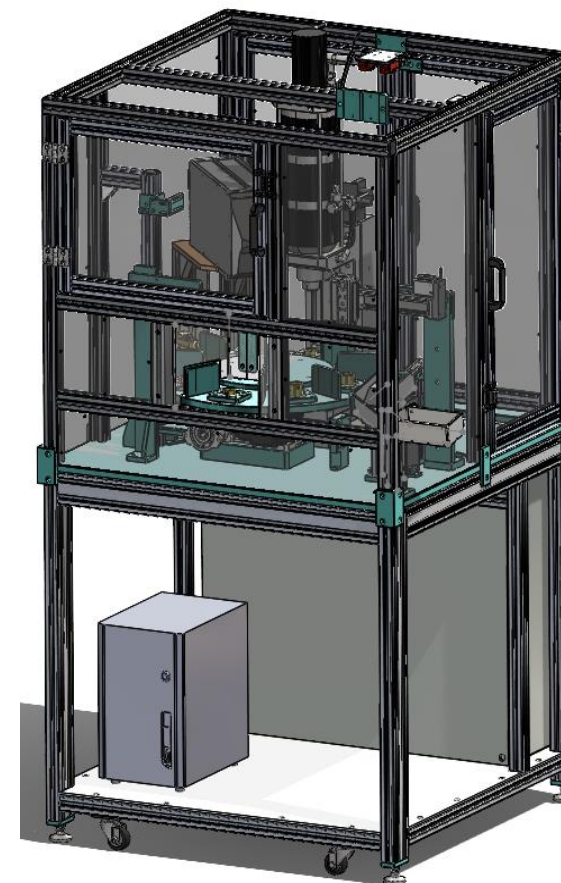
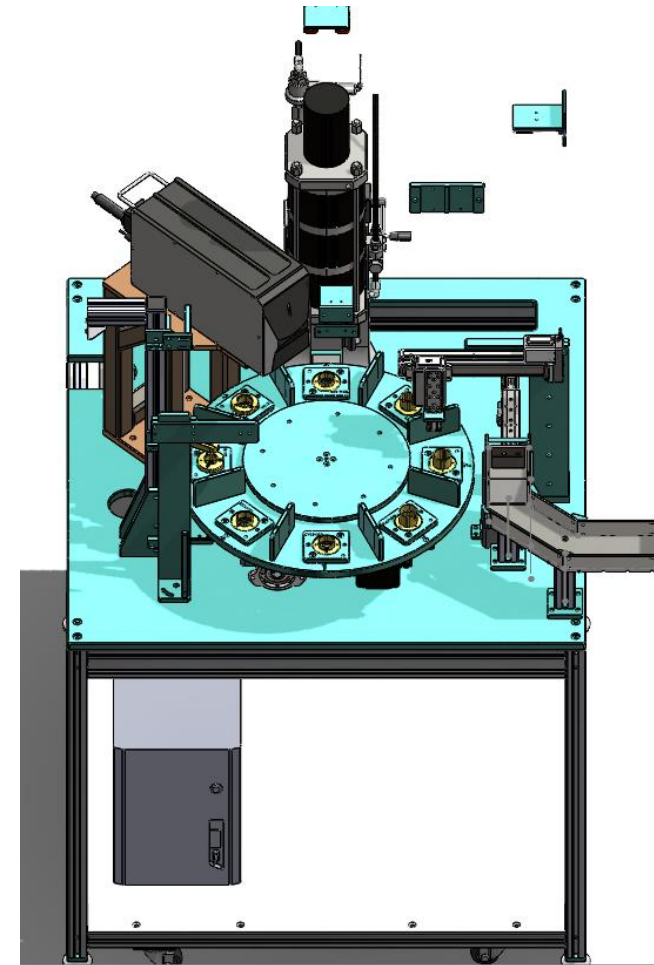
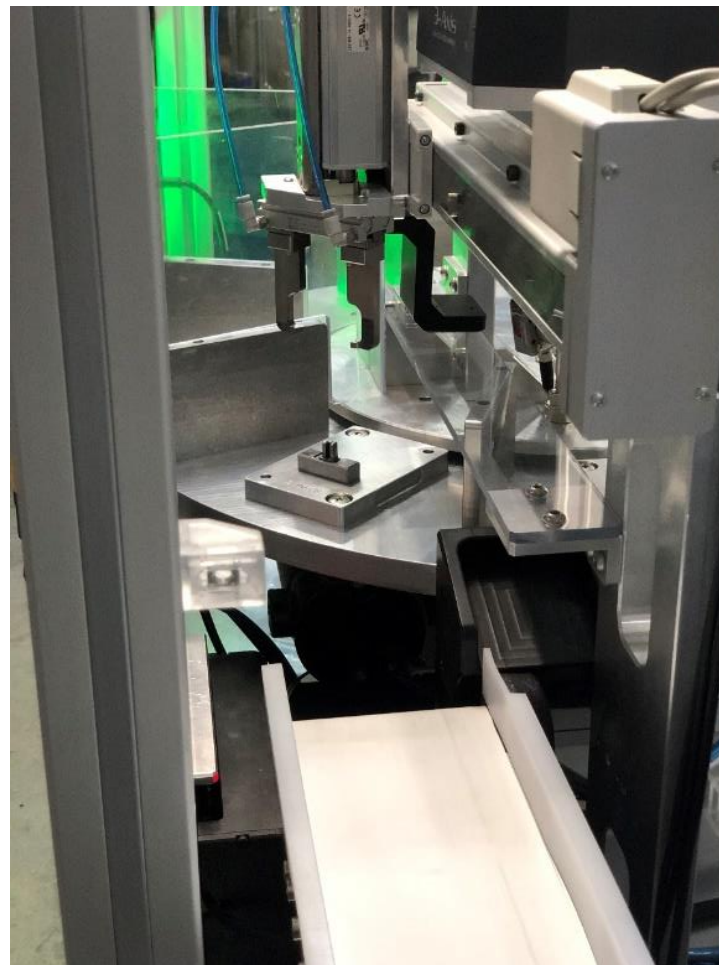


PROJECT

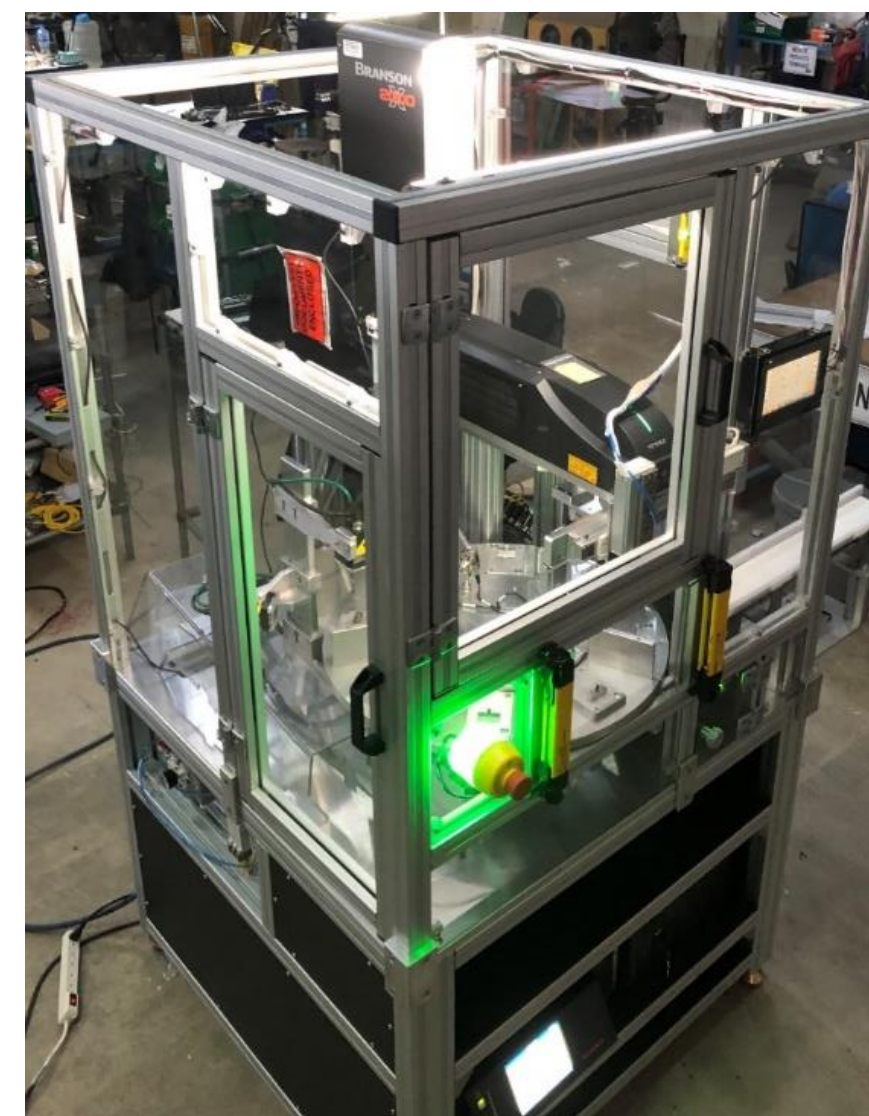
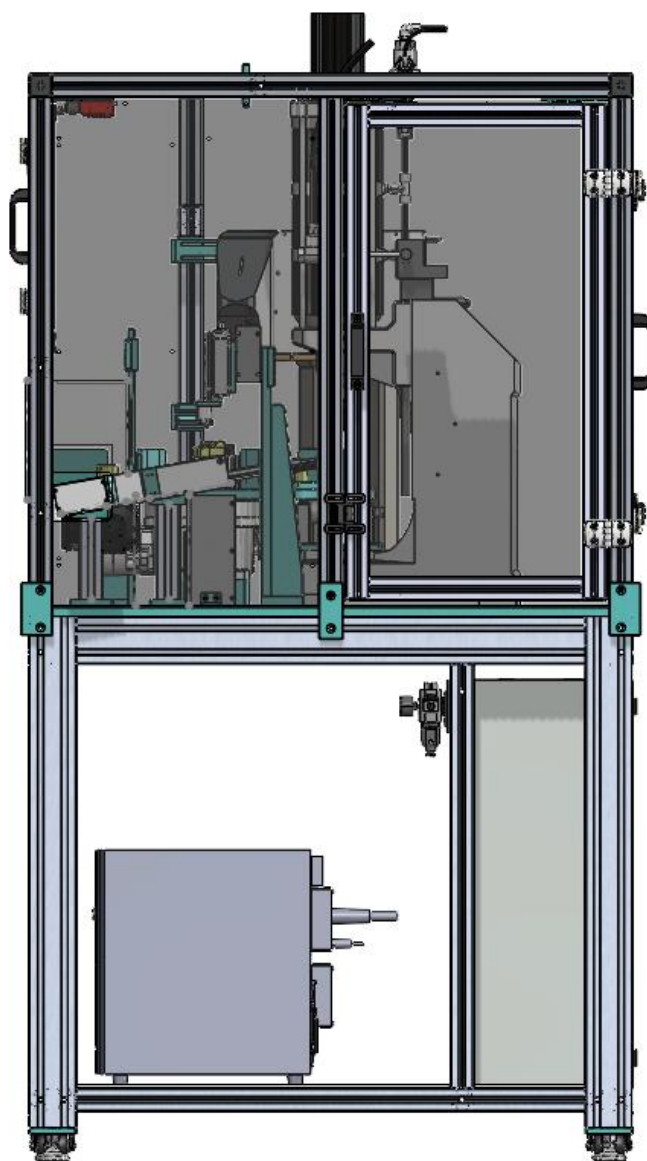
Name: *Index Station*

Company: TE connectivity ICT

Description: Integration of indexer with ultrasonic marker.

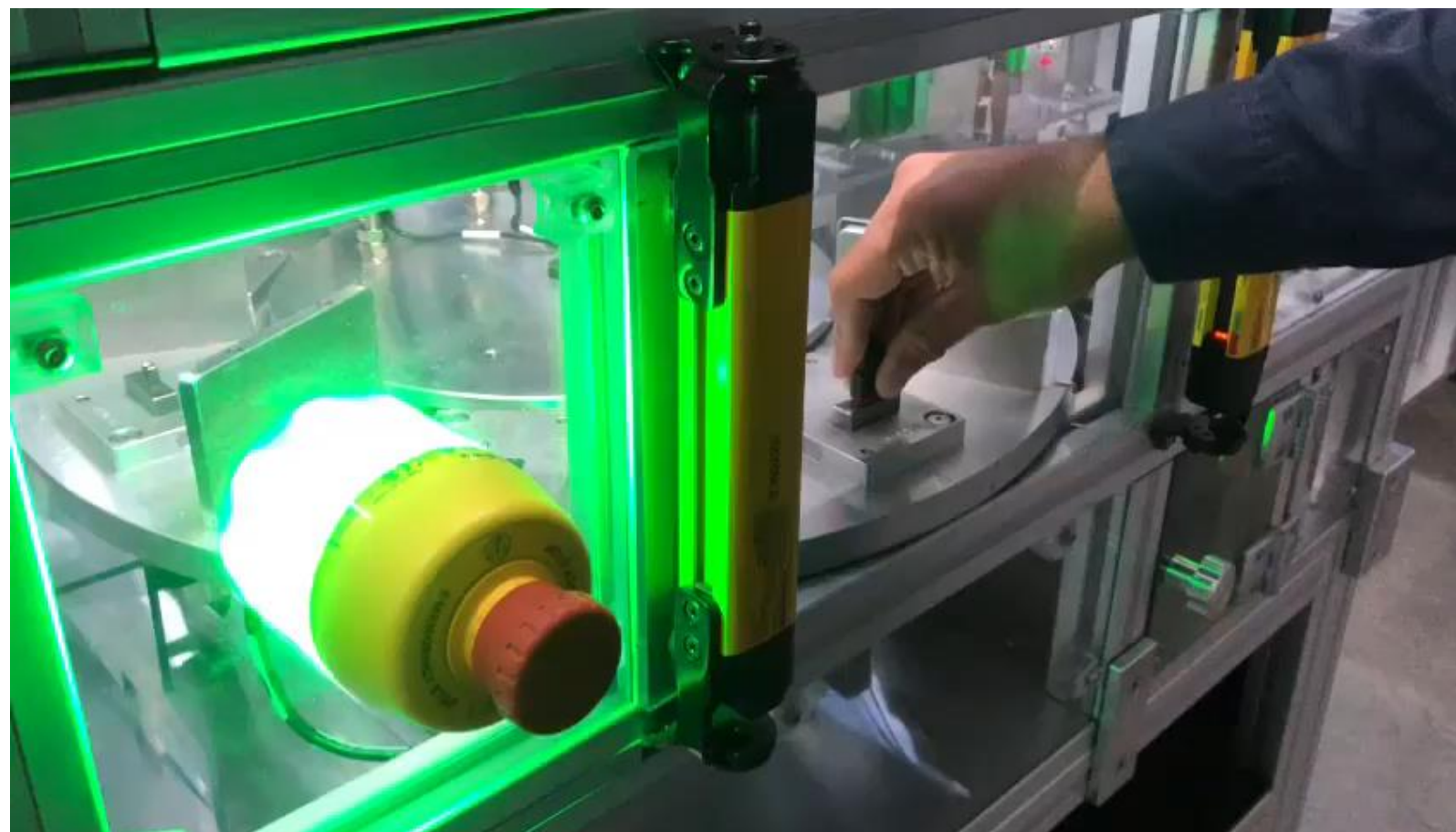


PROJECT



Control cabinet, PLC, regulators, terminals, input and output labeling.

PROJECT



PROJECT



Pick and Place



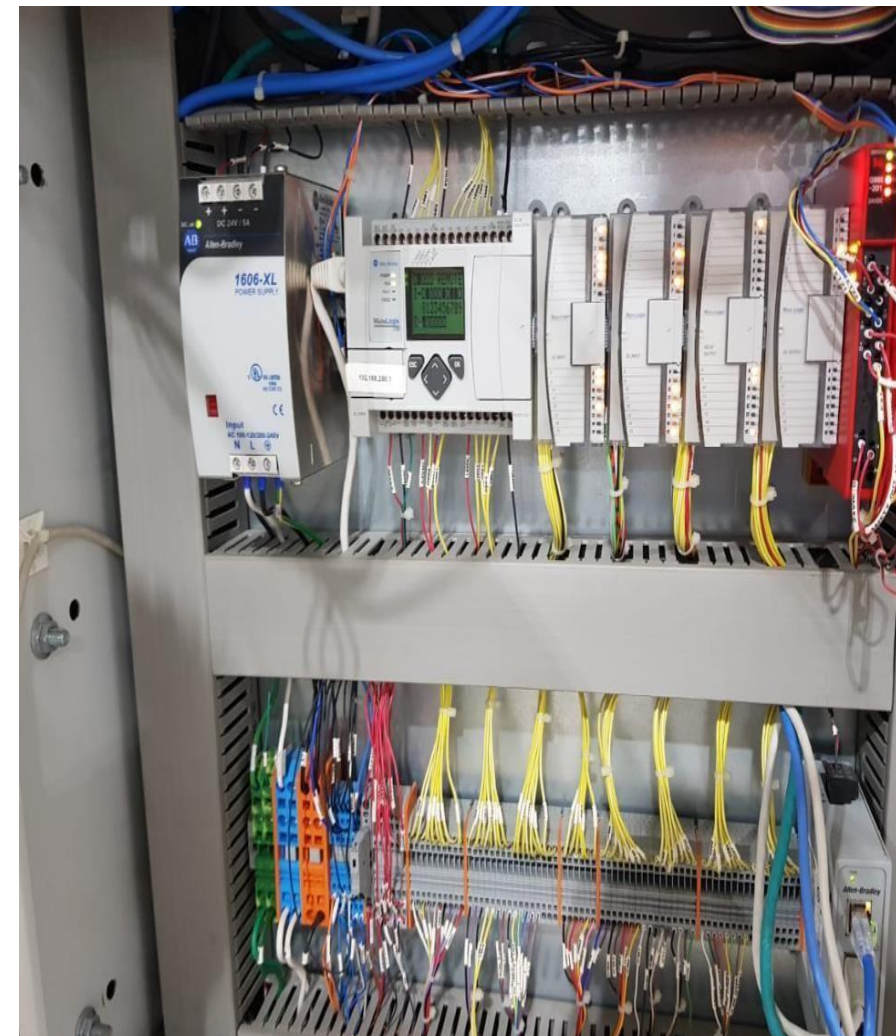
In TE Connectivity

PROJECT

Name: *Modular stations*

Company: TE connectivity

Description: Electrical test stations. Wrap and continuity

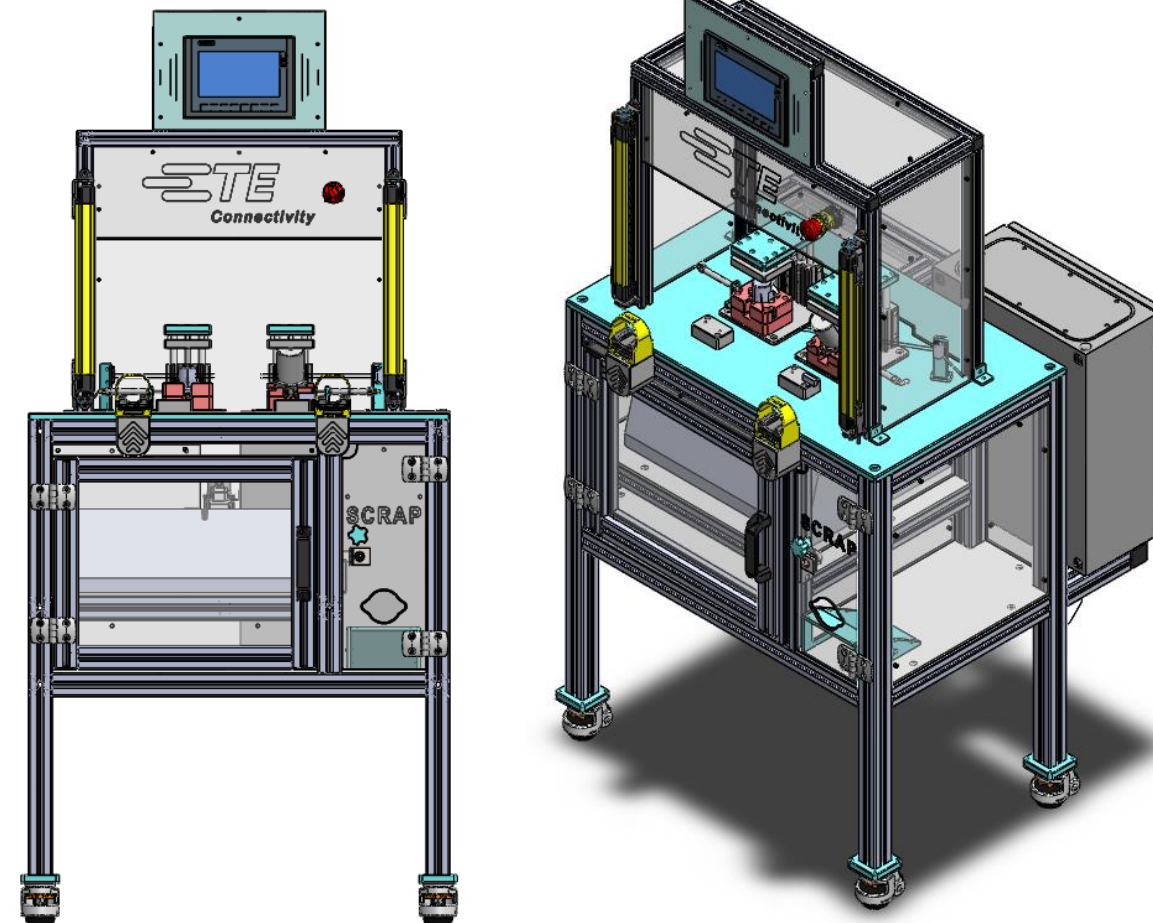


PROJECT

Name: *HIP POT.*

Company: TE connectivity Hems

Description: Station to perform HIT POT test on different contactors. screen integration and CROMA.



3D Model



PROJECT

Control cabinet integration for
HIT POT test.

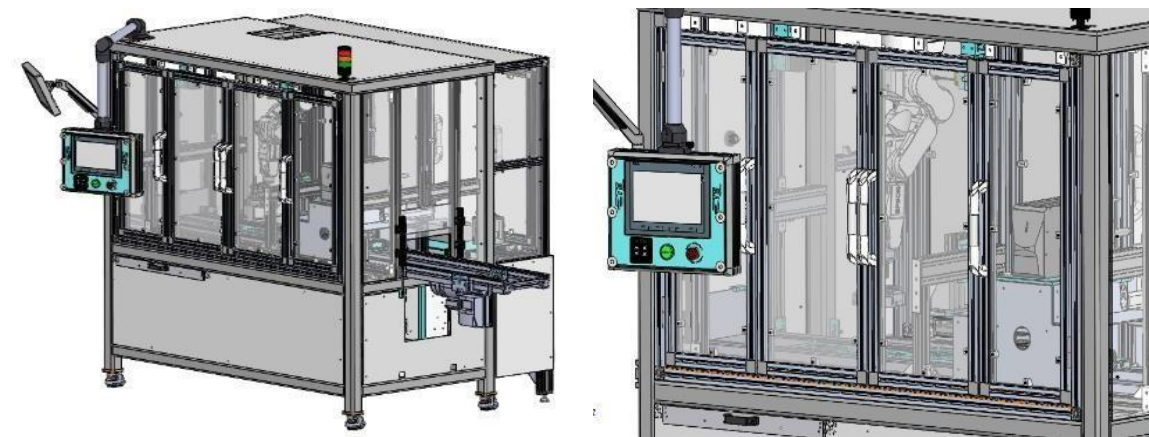


PROJECT

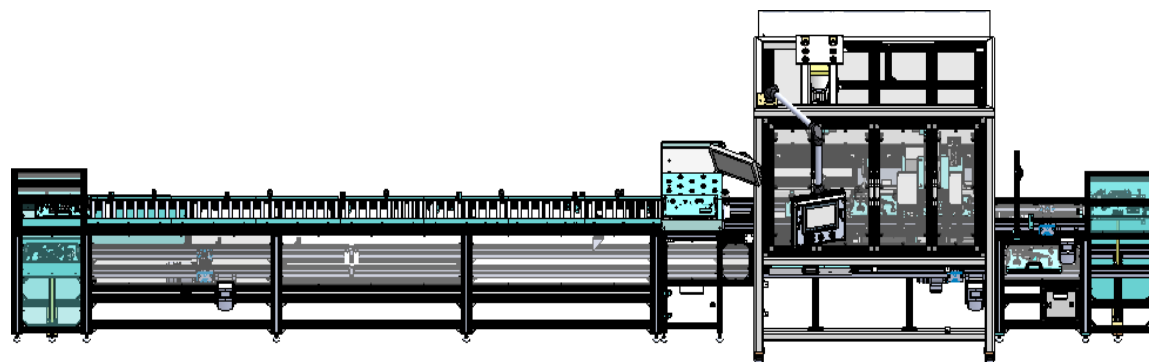
Name: *Borg Warner*

Company: TE connectivity

Description: Electrical test stations. Component detection by an EPSON robot and laser marking.



Tester 3D Model



Full Line 3D Model. The preamble of the tester, which is a line with rollers for the crossing of PALLET.



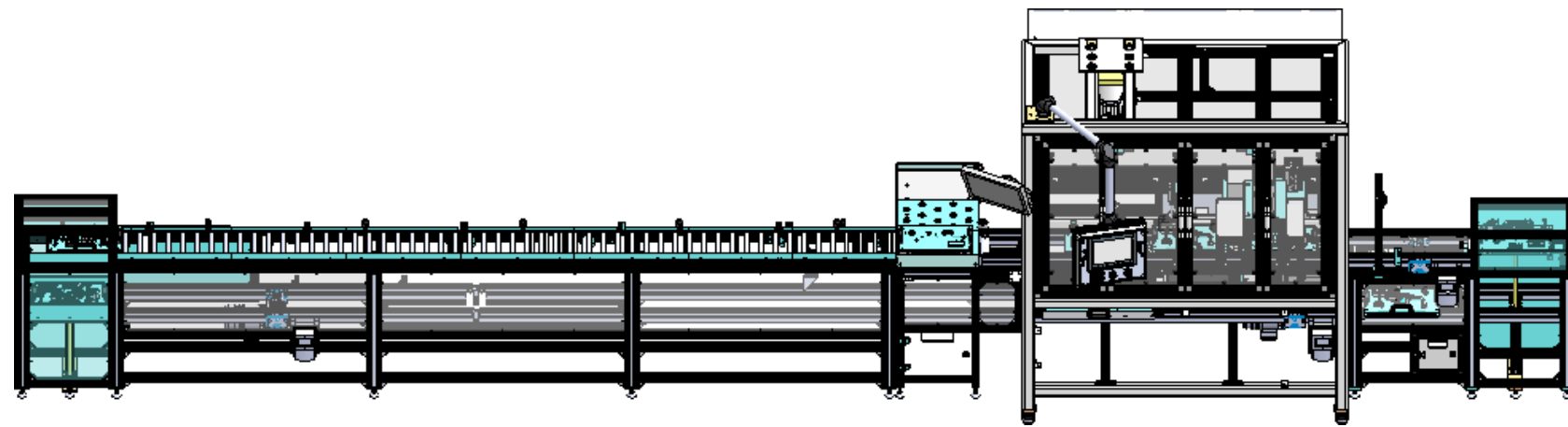
Tester integration for inspection, electrical test and laser marking (KEYENCE laser marking machine)



Integration of EPSON robot with KEYENCE Vision System

PROJECT

Manufacture and integration of the BORG WARNER line with modular stations, and Final Test and Inspection Tester.



PROJECT

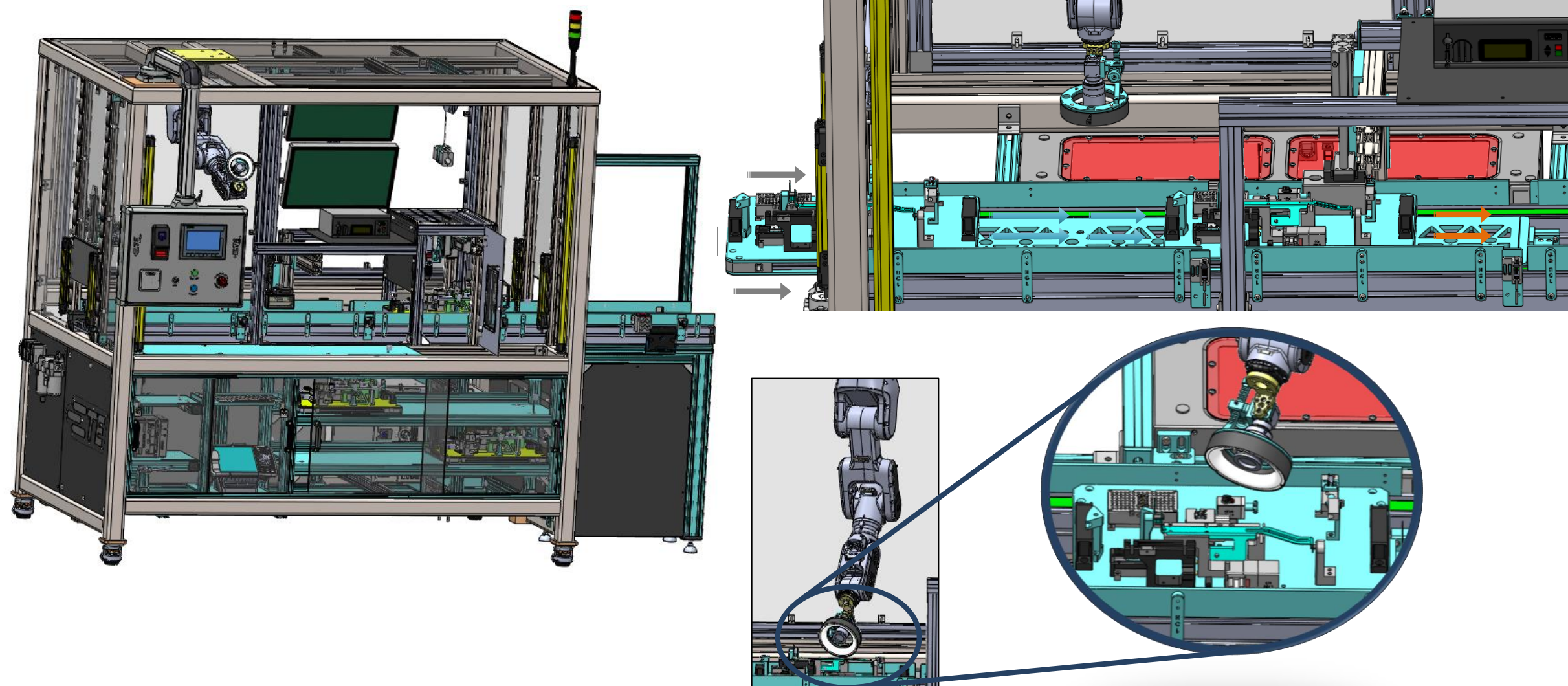


PROJECT

Name: *Borg Warner 2.0*

Company: TE connectivity 5

Description: Electrical test station, performs vision test and ends with a laser marking.

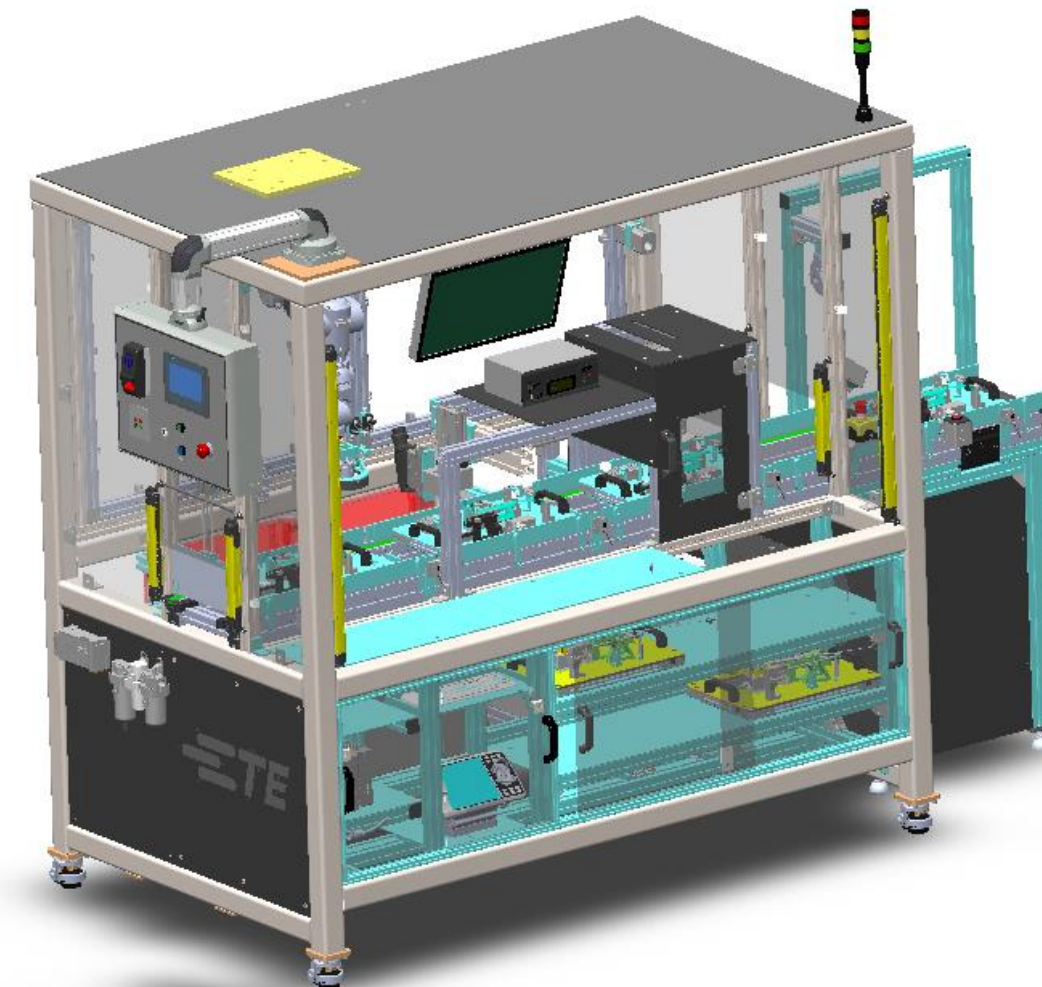
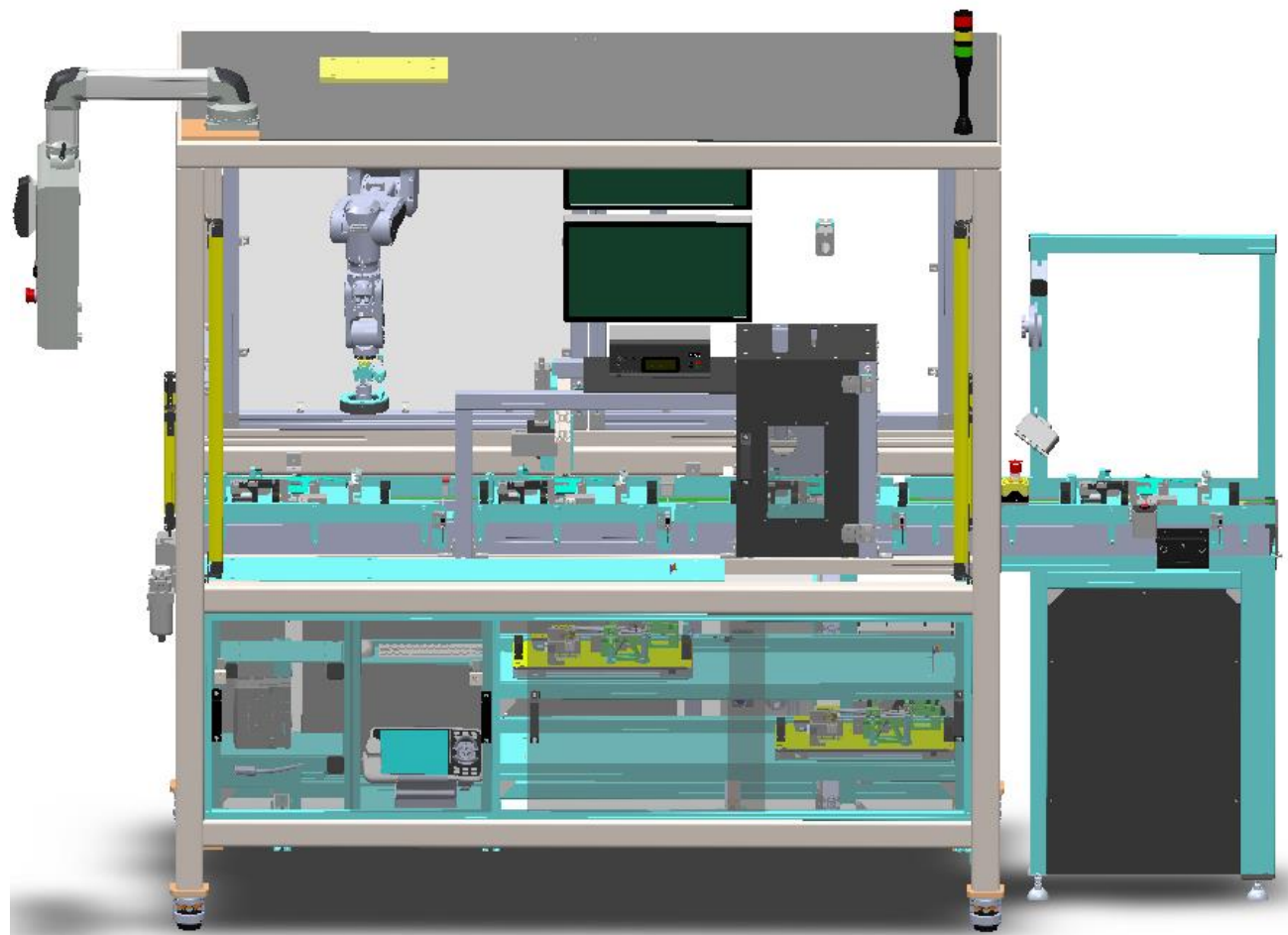


PROJECT

Name: *Borg Warner 2.0*

Company: TE connectivity 5

Description: Electrical test station, performs vision test and ends with a laser marking.



PROJECTS

Nombre: *Borg Warner 2.0*

Planta: TE connectivity 5

Descripción: Electrical test station, performs vision test and ends with a laser marking.



PROJECT

Nombre: *Borg Warner 2.0*

Planta: TE connectivity 5

Descripción: Electrical test station, performs vision test and ends with a laser marking.



BRANDS

 **KEYENCE**

COGNEX

SIEMENS

EPSON



OMRON



SICK
Sensor Intelligence.



FESTO