



V m e c h

Welcome to

# Vmech Automation

*Shaping Innovative Ideas...*

*Associated with* **VHPS Enterprises**

# About us.

Established in the year 2015, VMECH AUTOMATION is an India based company, situated in NCR, Ghaziabad. We are a team having expertise in different fields like Mechanical, Electricals, Pneumatic, various Robotic applications & Programming. We design & offer machines, which are highly acclaimed for its complexities, accuracy, repeatability, low maintenance, easy installation, robust design & durability.

## In-House Facility



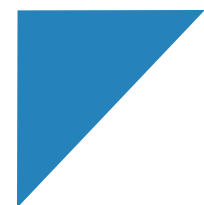
**Designing**



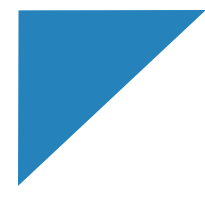
**Tool Room**



**Fabrication**



**Painting**



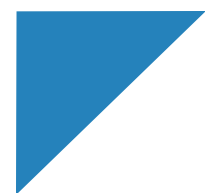
**Assembly**



**Inspection**



**Control panel  
wiring**



**PLC/HMI  
programming**



**Scada  
Programming**





# Solutions:-

- Special Purpose Machine
- Robotic Process Automation
- Assembly line Solution
- Gantry System
- Material Handling & Conveyors
- Pick & Place System
- Vision Inspection Solutions
- EOL/Test Bench with data logging
- Welding Automation
- Jigs and Fixtures





# Ultrasonic welding Process Automation..

*Ultrasonic Robotic welding cell for IP Panel & Side panel*





# Air vent - Assembly Line & EOL for W601 (XUV700)

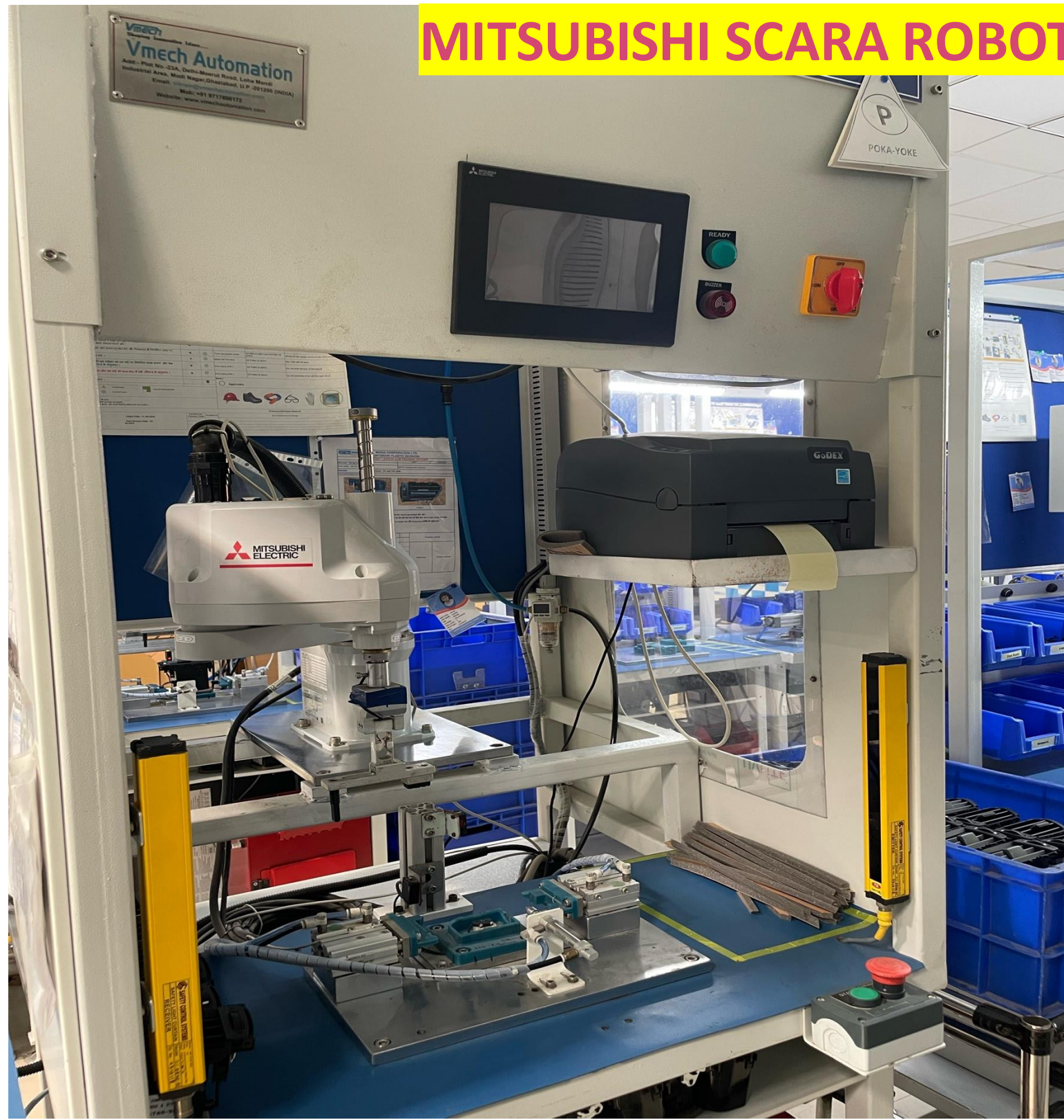


*Poke yoke with pick to light system for AC vanes assembly line*

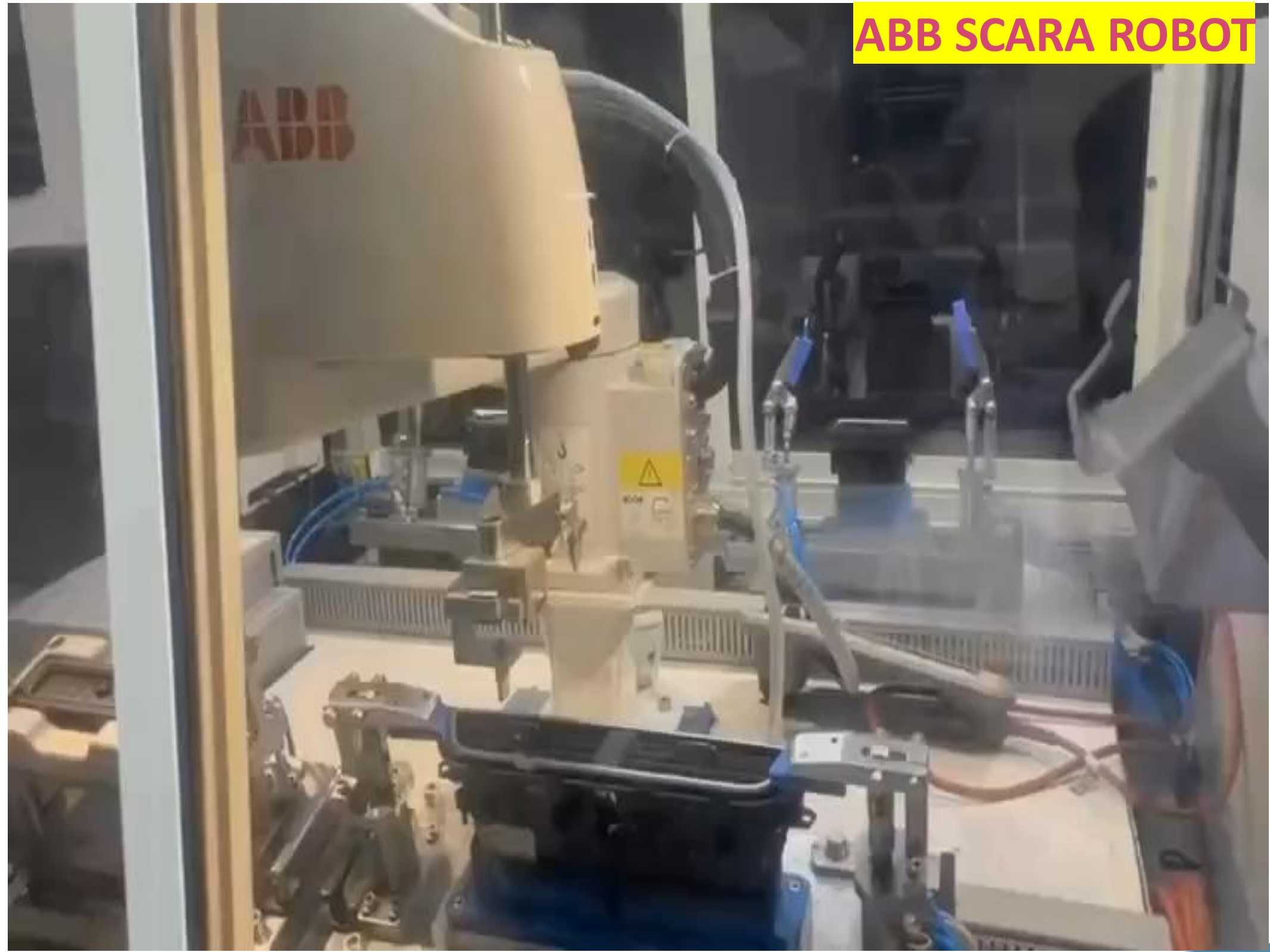


# Air vent Force Measuring (EOL St.) for YED & W601

**MITSUBISHI SCARA ROBOT**

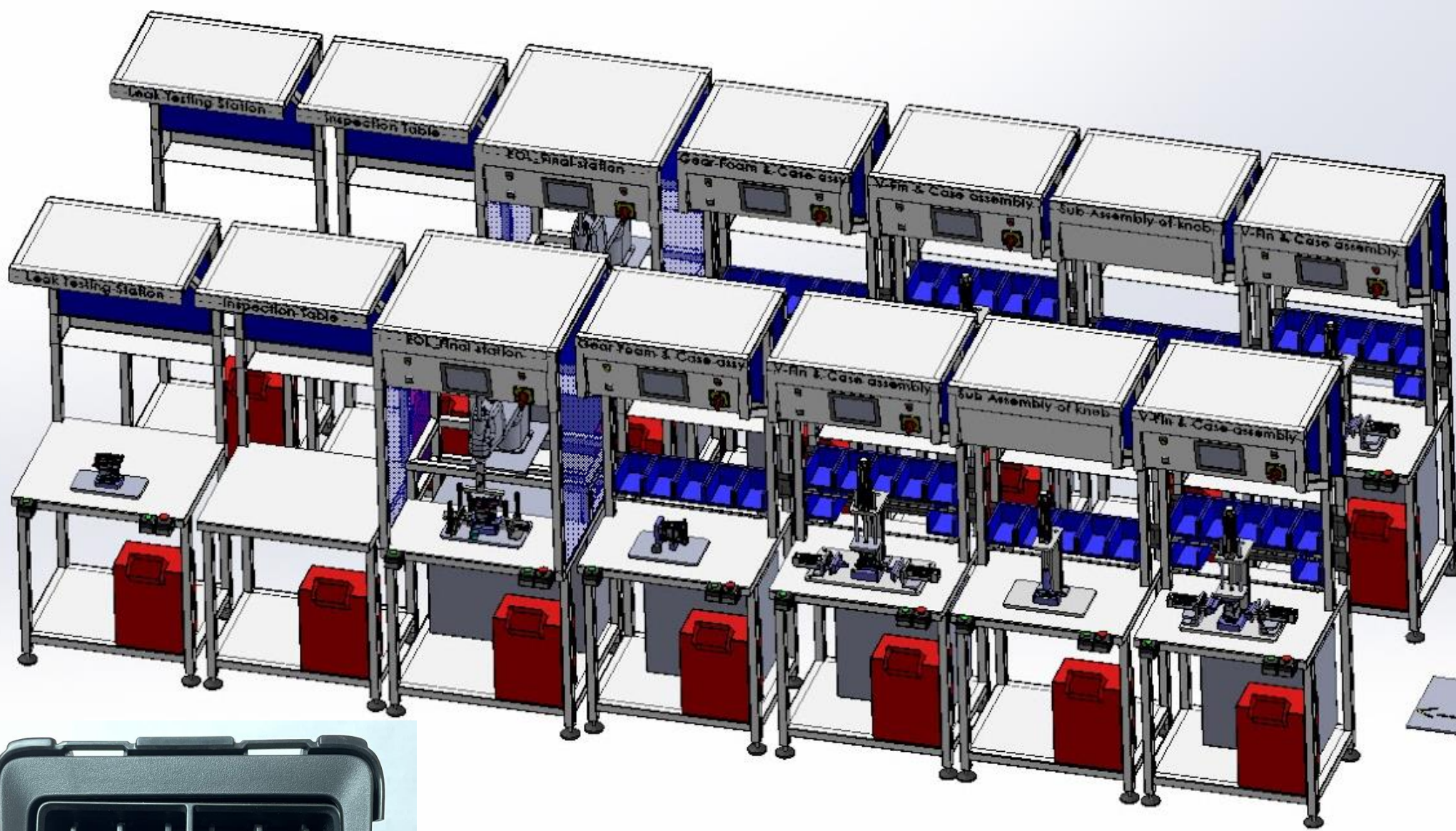


**ABB SCARA ROBOT**





# Air vent - Assembly Line for YTB (Baleno)



*Poke yoke with pick to light system for AC vanes assembly line*

*-Spark Minda , Gujrat*



# Air vent-Assembly Line for **W502 IP** (Mahindra Thar)



*Poke yoke with pick to light system for AC vanes assembly line*

*-Spark Minda , Gr. Noida*



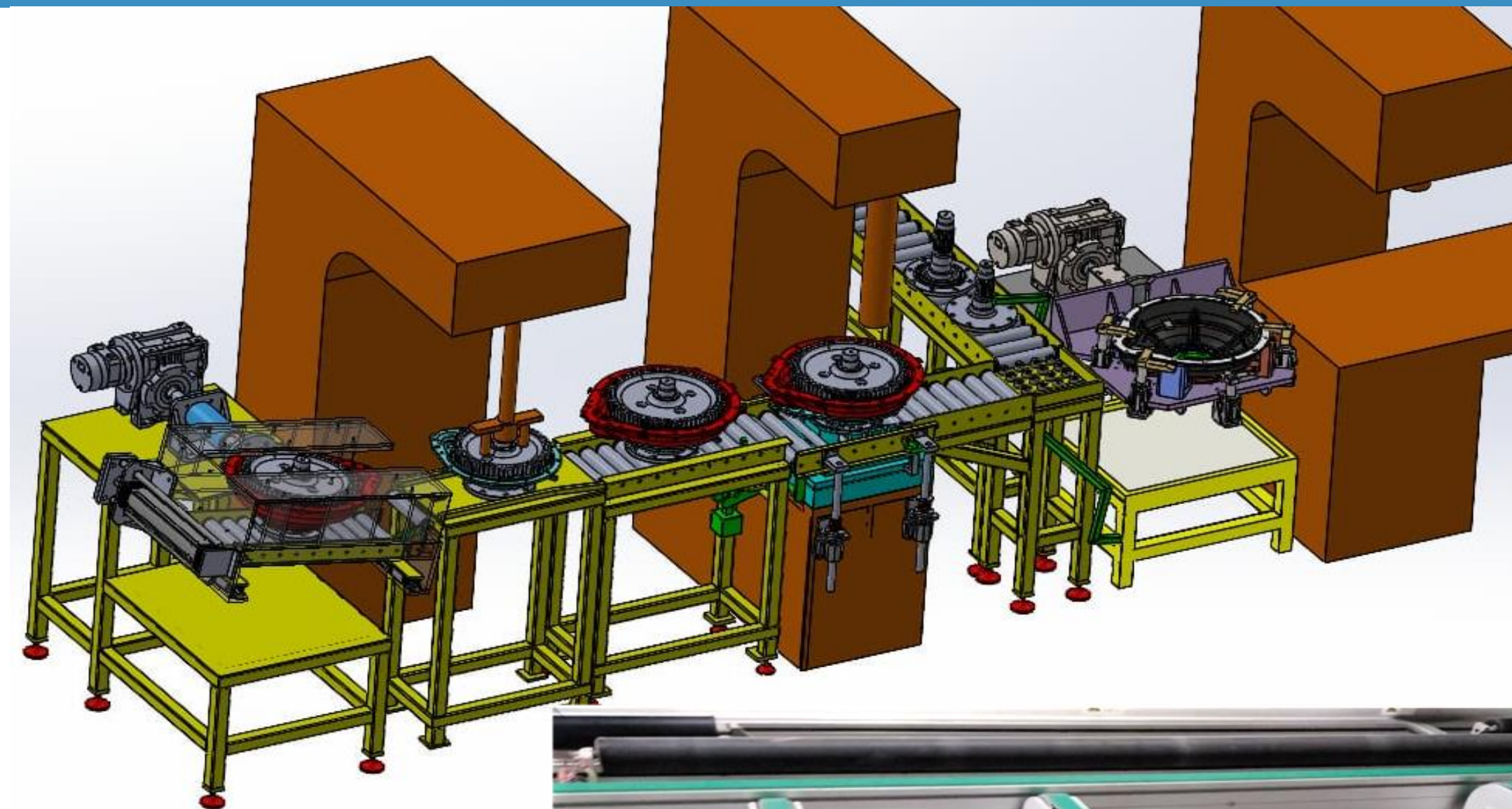
# Assly Line for S201 Rear ac vent (Scorpio) & FISKER



*AC vanes assly. line For FISKER - IAC*



# Conveyor System





# Special Purpose Machine



**Shox Assembly Station  
with Poka-Yoke-Gabriel**

**Vmech**



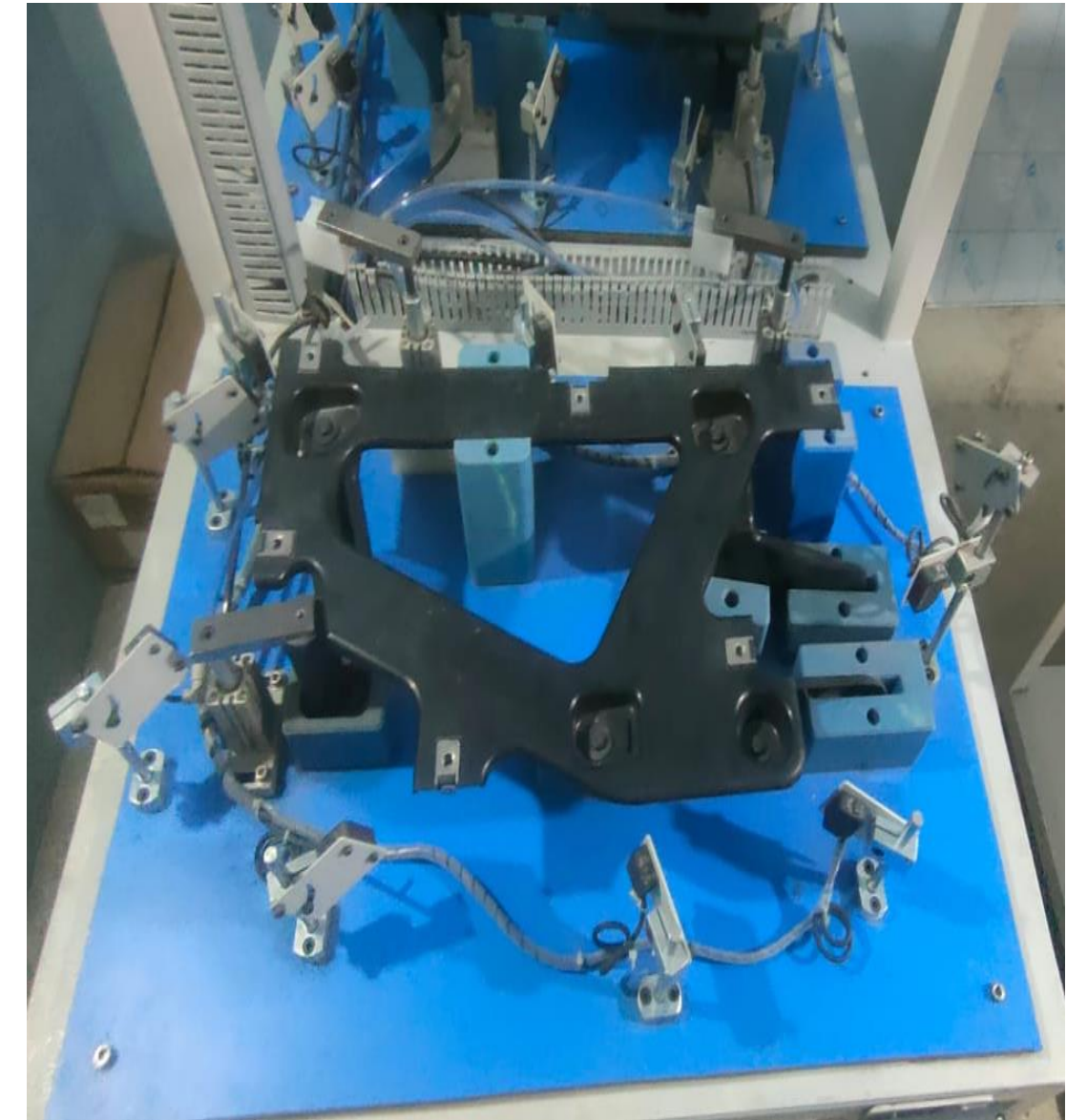
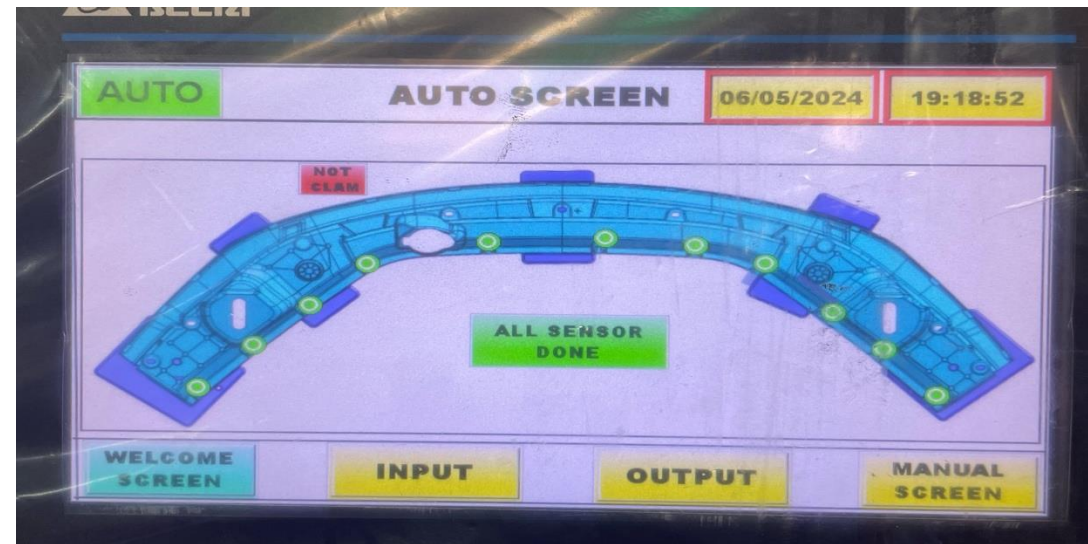
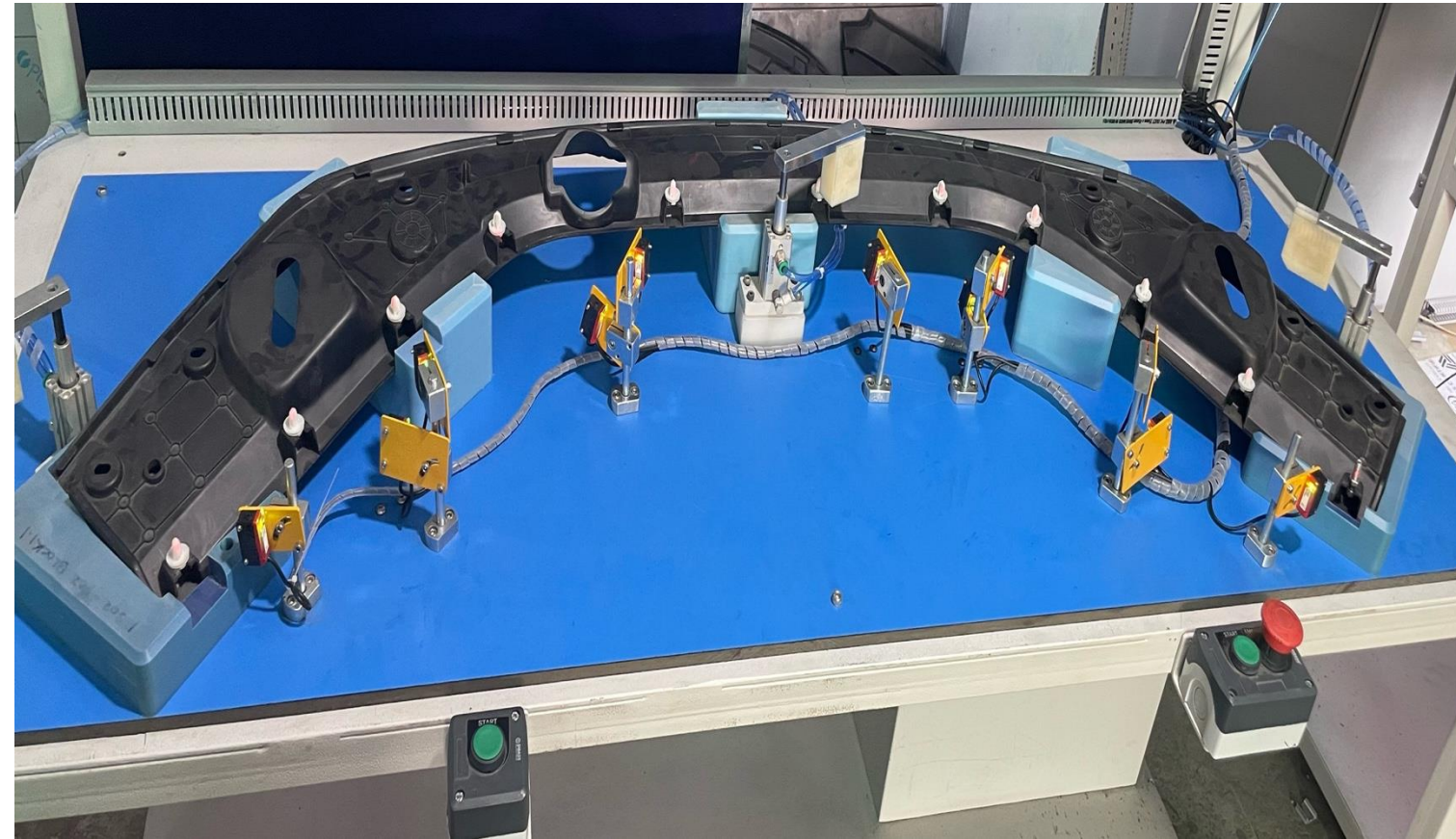
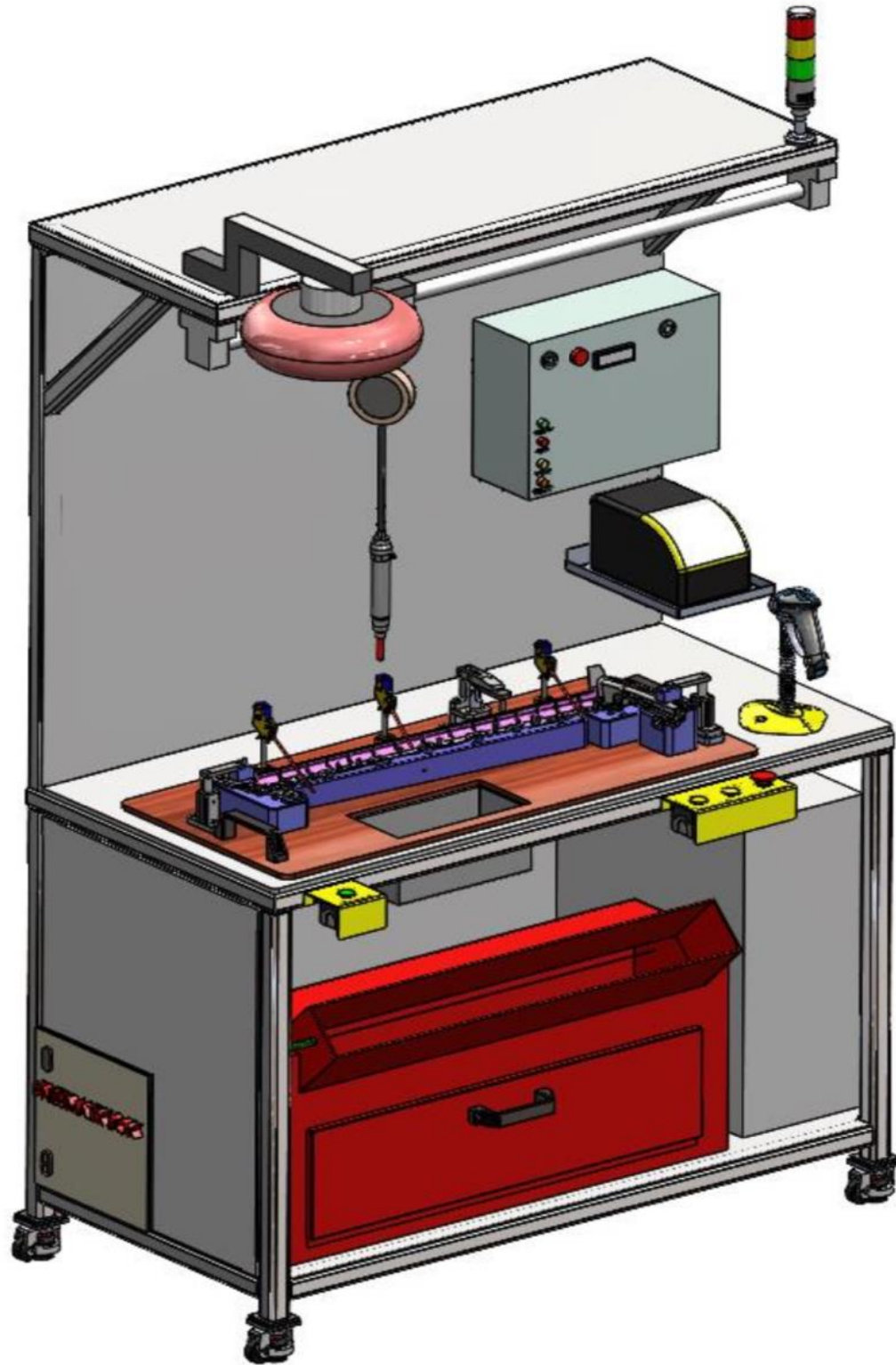
**Force & Torque measuring  
SPM with Scada system  
Sumi- Motherson Tapukheda**



**Flurring SPM for Console  
Spark Minda-Gujrat**



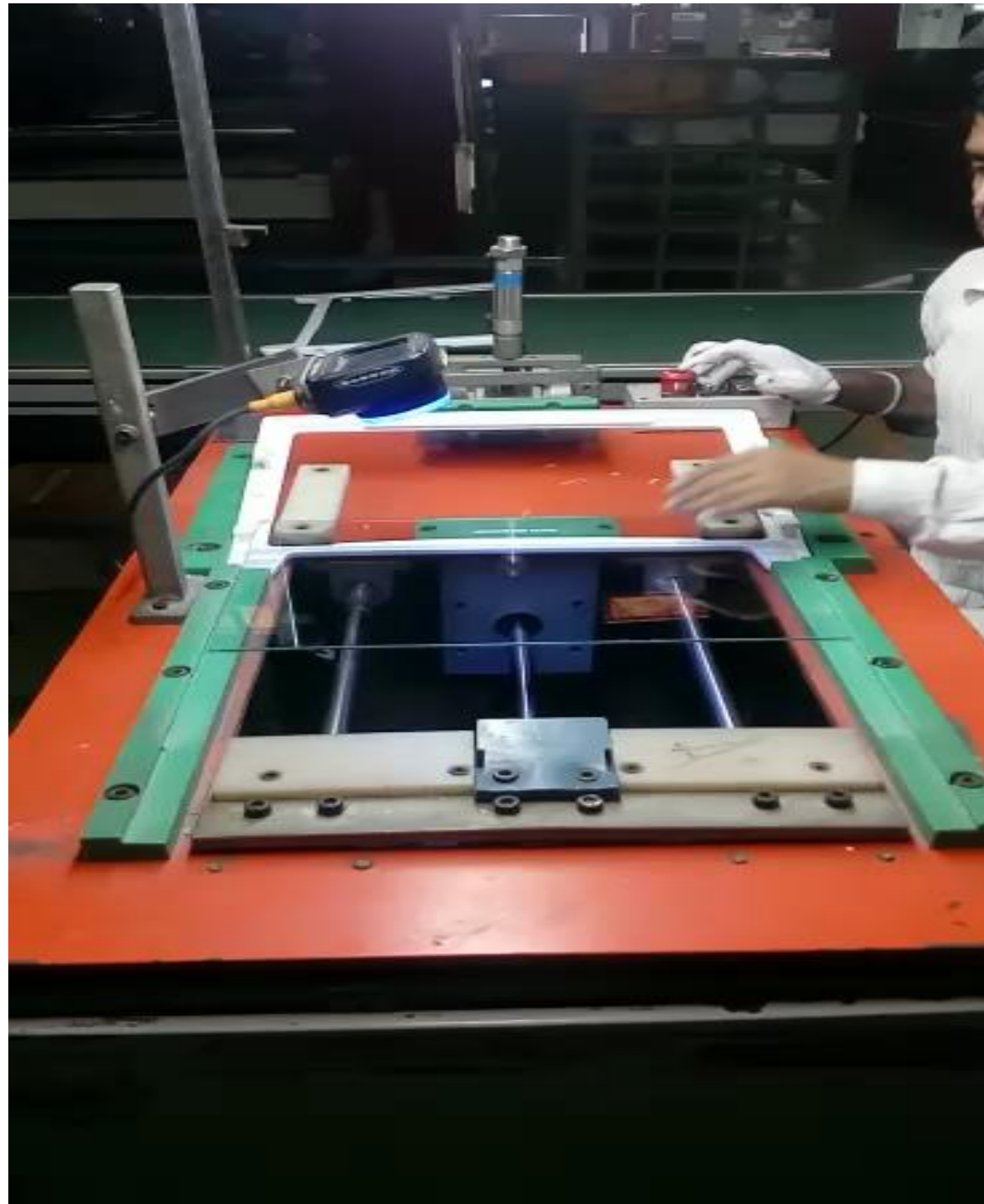
# Assembly & Inspection Fixtures (Poka-Yoke Fixtures)



*Poke Yoka Fixtures for Vbors, UK Metal, Minda & Motherson group.*



# Inspection SPM with vision system.



***Glass insertion with Vision Camera.- LG***

**Vmech**



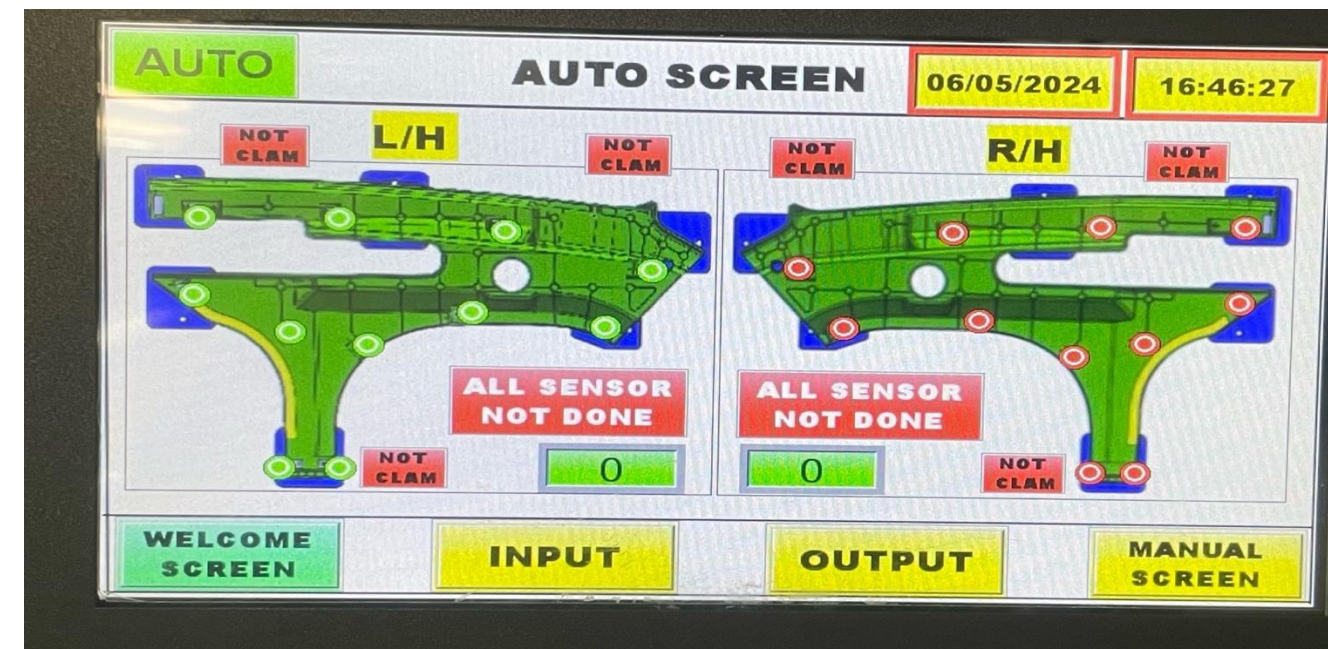
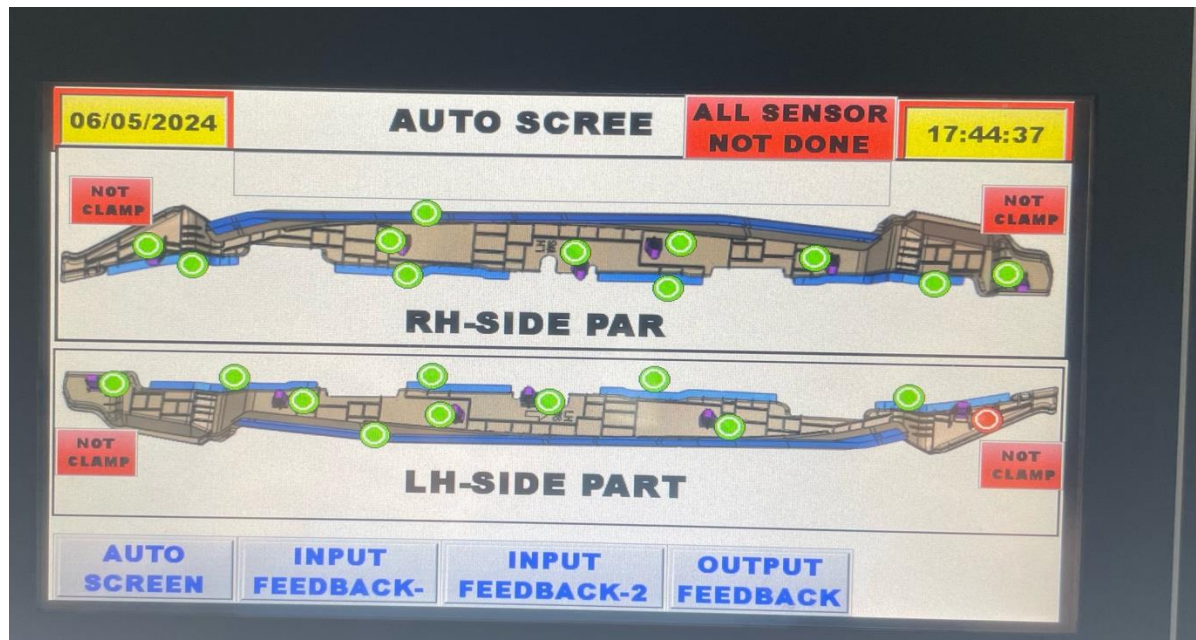
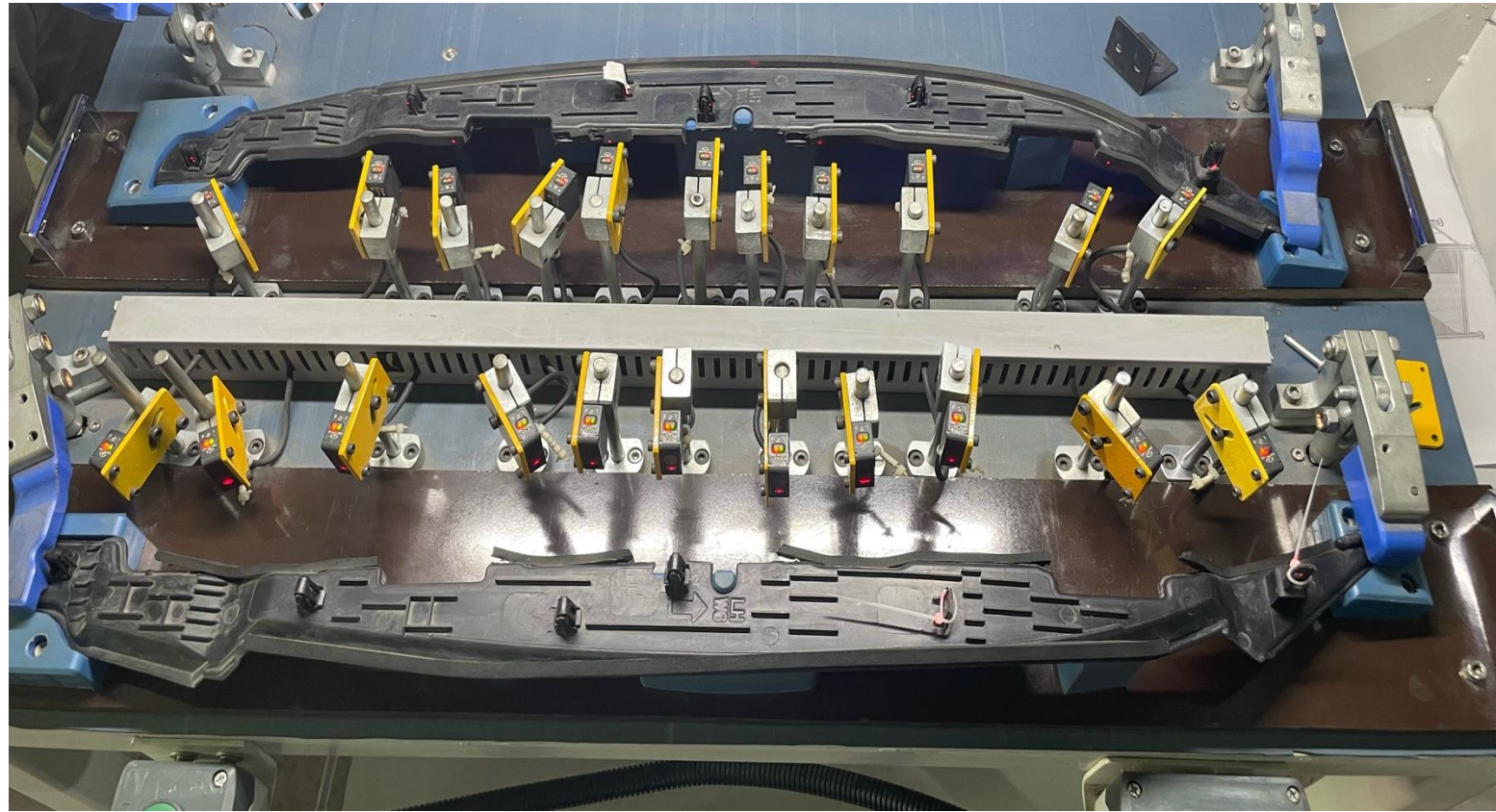
***Flash in mould inspection with camera Sumi- Motherson Pondicherry***



***Travel Measuring system, data storage on server-Tata Motors***



# Assembly & Inspection Fixtures (Poka-Yoke Fixtures)



*Inspection gauge for plastic components*



# Pick & Place System.



*Automatic powdering SPM, Bawal*



*Multi Axis Filament binding SPM  
Surya Industries, Odisha*



# Cutting/Rolling & Punching SPM For Malaysia (Export)



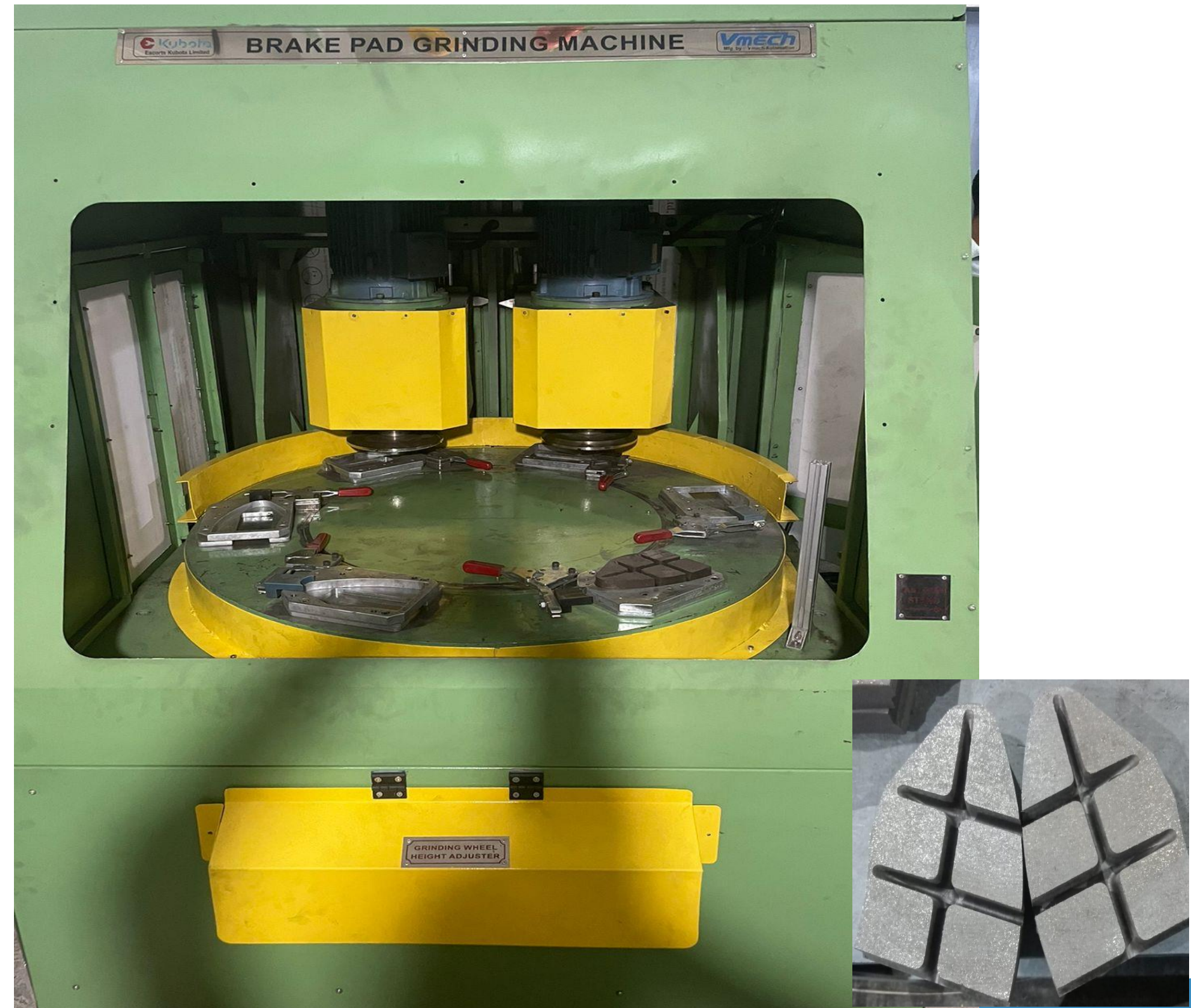
*Cu Wiremesh cutting, rolling & packing SPM.*

**MALAYSIA.**

*Cable tag Punching SPM.*



# Robotized deburring Process ..

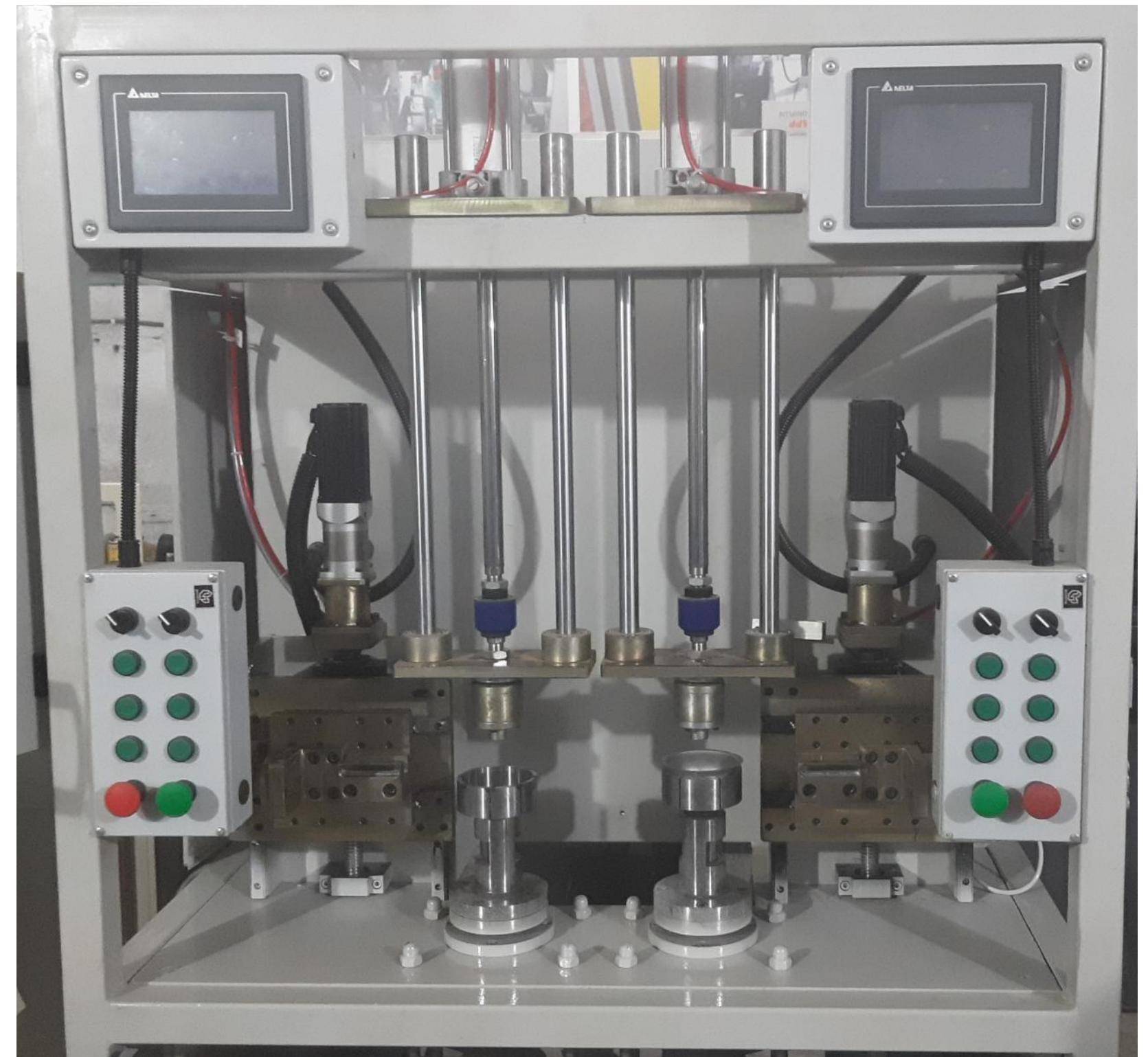




# Machining Automation



*Chamfering SPM on Back Plate, Sonipat*



*Trimming SPM on Bottom cover of water bottle*



# Machining Automation..



*CNC Router with fixture for speaker trimming in plastic part*  
– Minda Group, Bangalore





# Pick & Place system.



*Man less Loading & Unloading with coolant applicator. Milton, Haridwar*



*Knife edge grinding Machine  
Merino, Hapur*



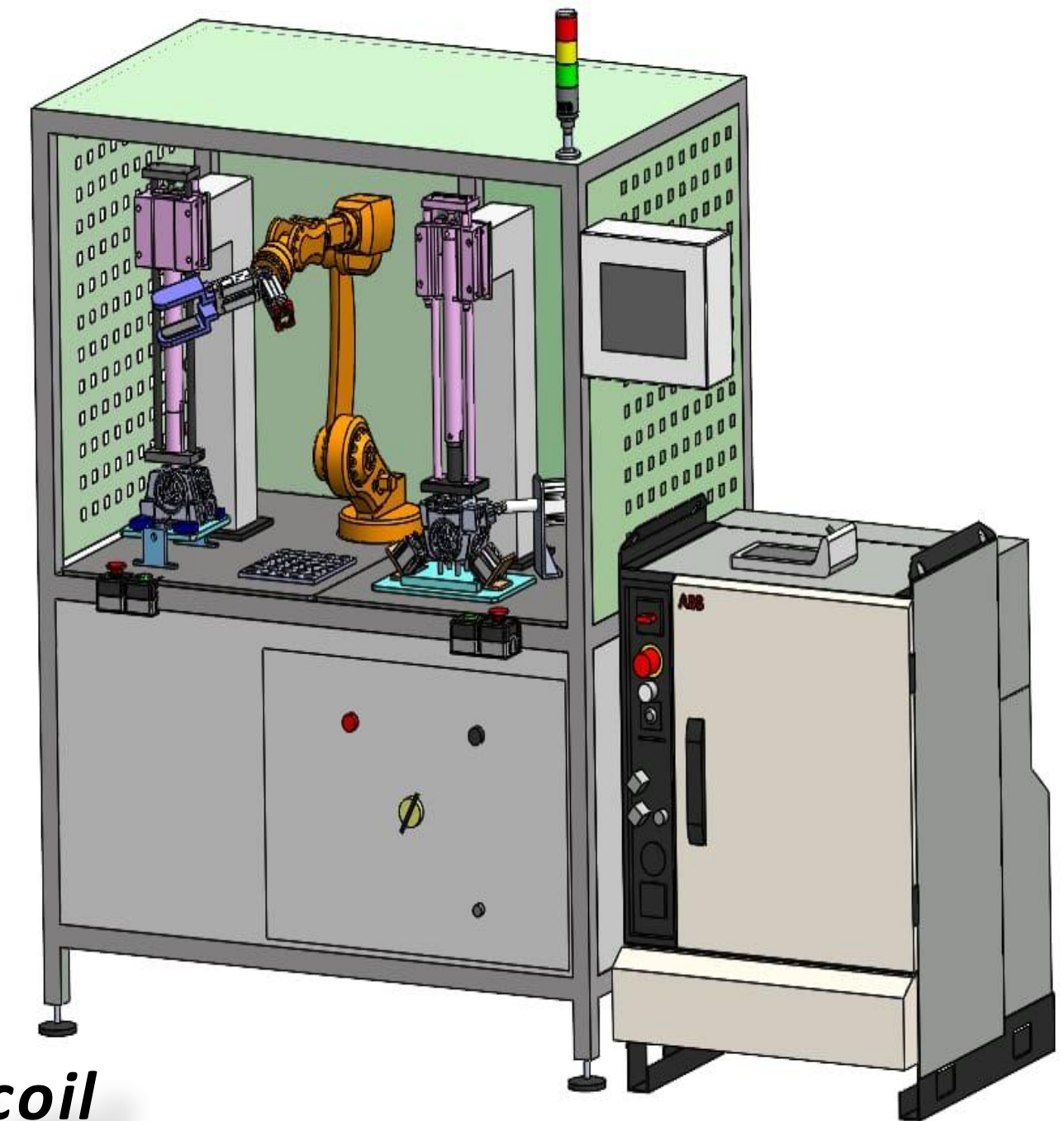
# Testing & Inspection SPM.



Vmech Automation  
+91 9717698172

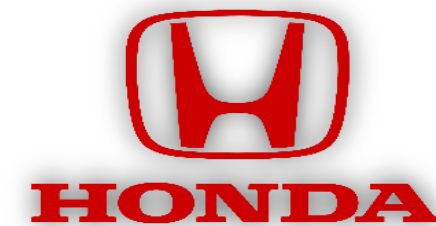
+91 9717698172

*Test Bench-Endurance/Life cycle testing for Railway magnetic coil with barcoding & data recording (Scada Base).*





# Our Prestigious Customers






# T h a n k - Y o u

## Contact Us

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