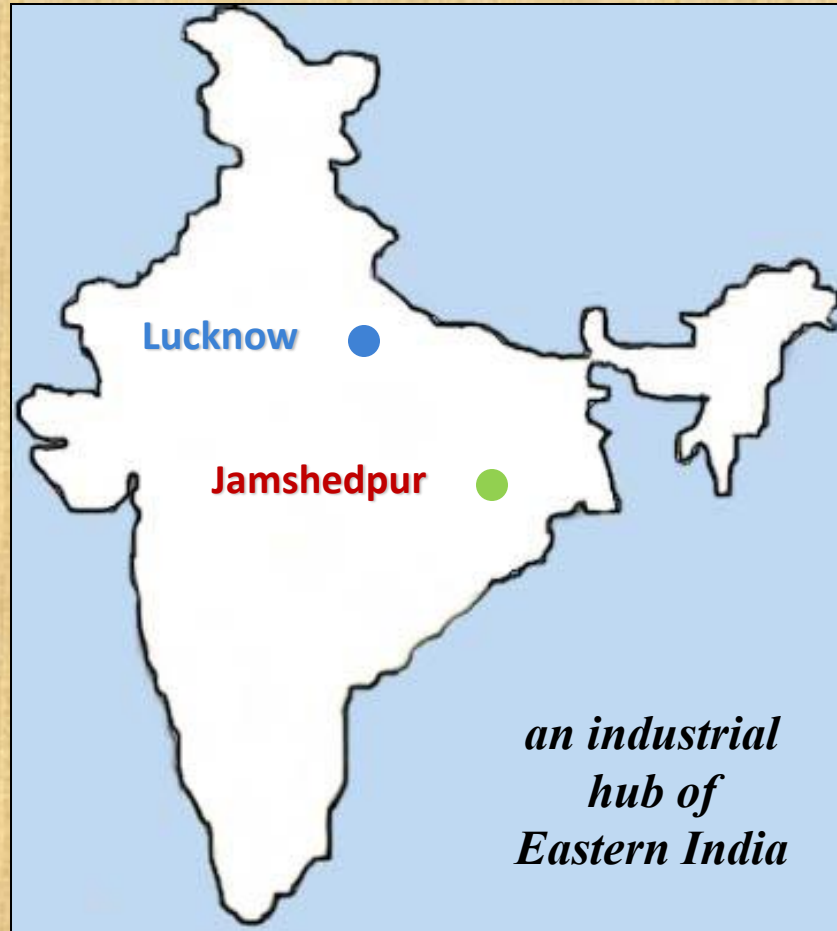


AUTO PROFILES LTD

(a pioneer in manufacturing sheet metal products for commercial vehicles)

- Over 5 decades of experience in Sheet Metal Parts
- Tools & Dies, Fixtures design and manufacturing inhouse facility
- Raw Materials from leading OEMs like Tata Steel, JSW
- Tier-1 Supplier to leading CV manufacturing OEMs

Manufacturing Plant Locations



Auto Profiles Ltd. (Unit – IV)
Lucknow

Auto Profiles Ltd.
(Unit-I, II, III, V, VI)
Jamshedpur

Our Esteemed Clientele



Awards & Recognitions

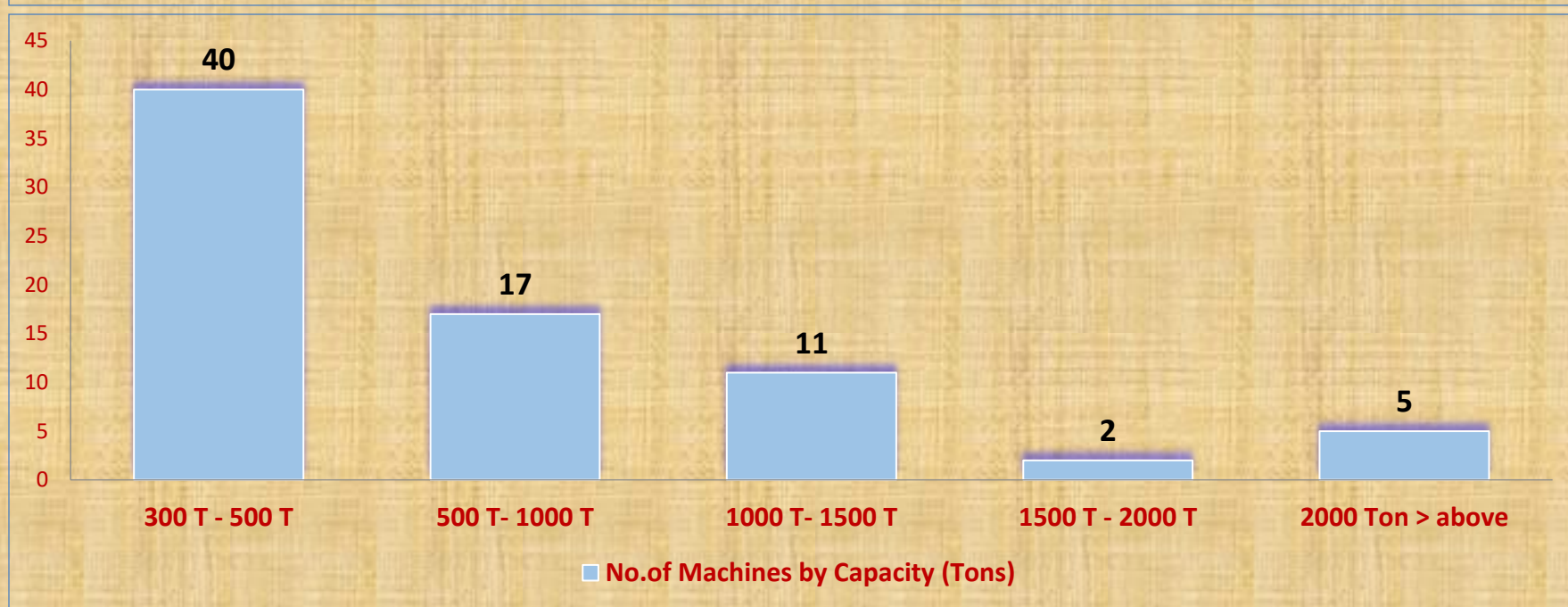
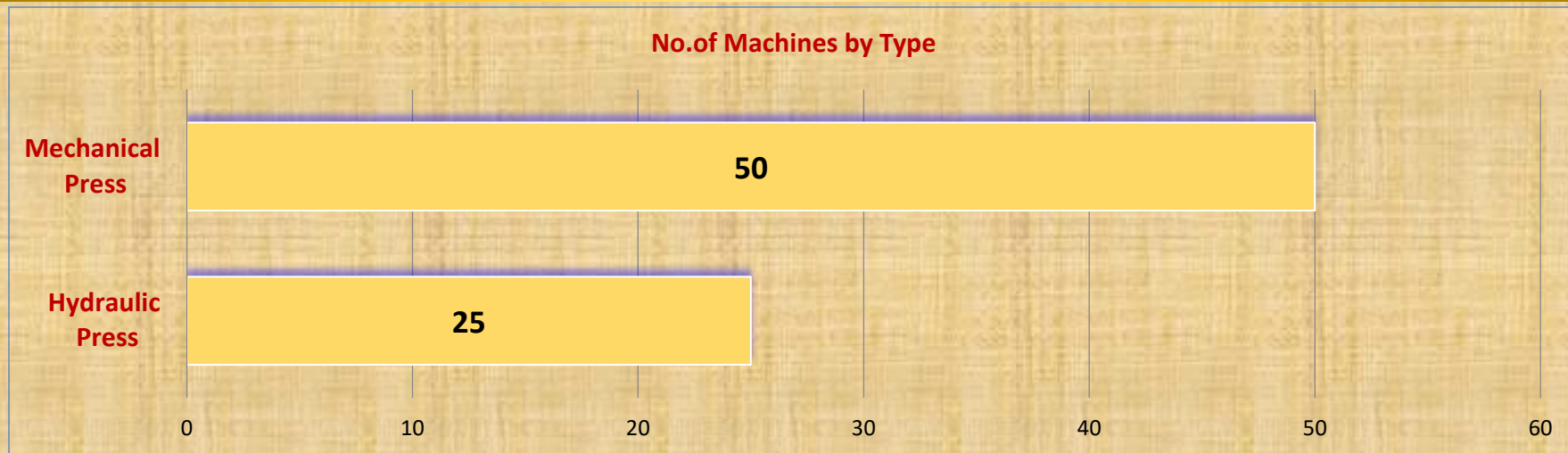


- Best Local Supplier Award in 2000 by Tata Cummins Ltd
- Best Local Supplier Award in 2003 by A.I.A.D.A
- Best Kaizen Initiative Award in 2004 by Tata Motors
- Best Supplier Award in 2005 by A.I.A.D.A
- Best Supplier for Adherence to Delivery Schedule in 2006 by Tata Motors
- Best supplier for adherence to Delivery Schedule in 2010 by Tata Cummins Ltd
- Long Association in the Journey of Excellence Award in 2012 by Tata Motors
- Best Supplier for Adherence to Delivery Schedule in 2012 by Tata Motors
- Best **Overall Performance Award** in 2015 by Tata Motors
- Best Delivery Performance in 2017 by Tata Motors
- and more...

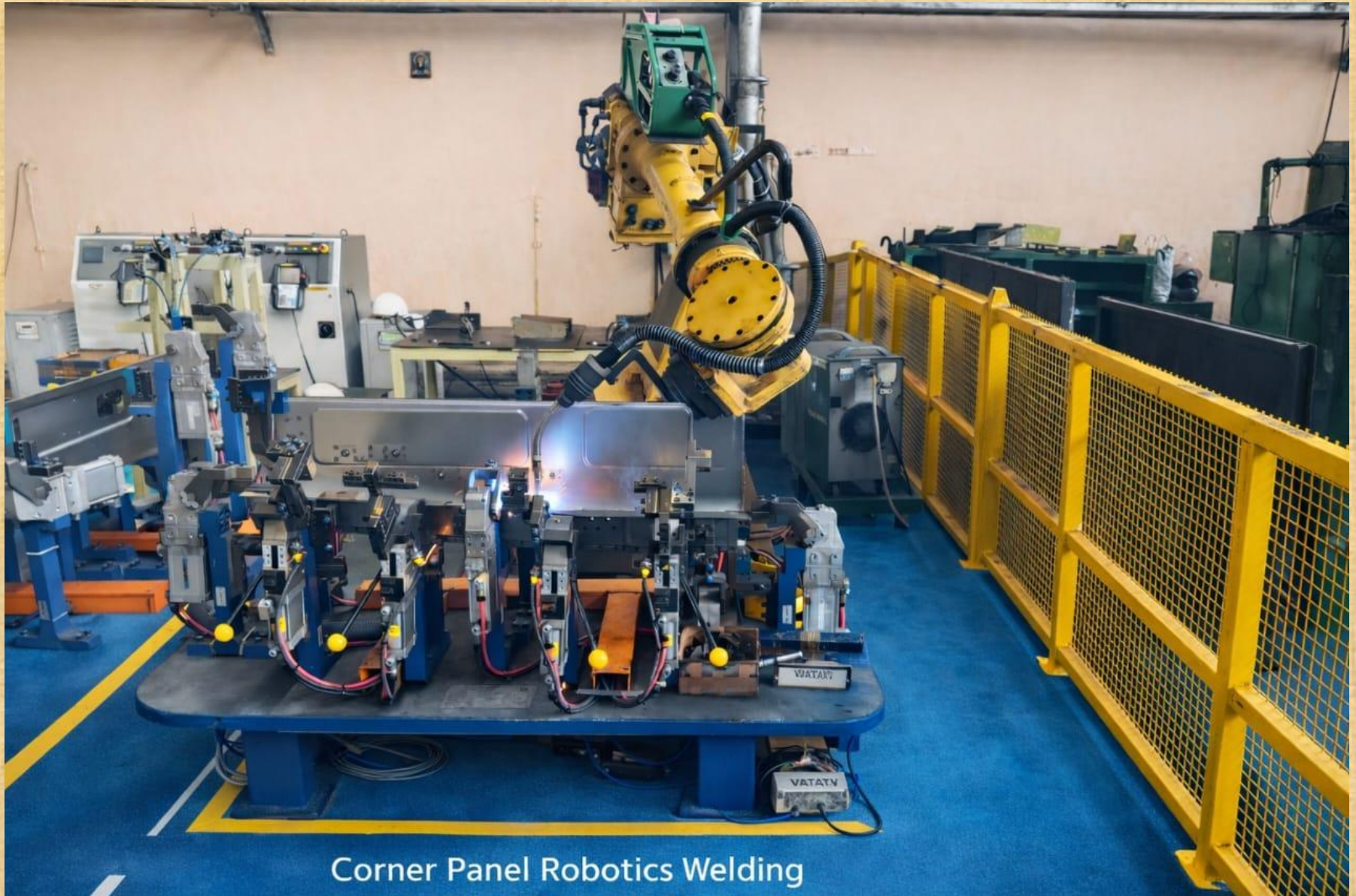
Manufacturing Plant details

Plant Site	APL	APL	APL	APL	APL
	(Unit I & II)	(Unit III)	(Unit IV)	(Unit V)	(Unit VI)
Location	Jamshedpur	Jamshedpur	Lucknow	Jamshedpur	Jamshedpur
Specialization	Sheet Metal Parts				
Plant Size	4.8 acres	7.0 acres	3.0 acres	1.8 acres	1.2 acre
SOP	1992	2000	2012	2017	2020
Power	800 KVA	1750 KVA	250KVA	250KVA	400KVA
Parts	Air Tanks, Frame Parts, Assembly	BIW Panels, Long Members, Reinforcements	BIW Panels Assembly, Fuel Tanks, Air Tanks	Powder Coating of Long Members, Reinforcements	BIW Parts, Oil Pan & Air Tanks

Press Machine Details



Robotic Spot Welding for BIW Parts



Corner Panel Robotics Welding

Robotic Welding with Laser Seam Tracking for Air Tanks



ROBOTIC AIR TANK WELDING

WITH LASER SEAM TRACKING

Adaptive welding for round components with high accuracy

A close-up view of a robotic MIG torch welding a cylindrical tank. A red laser line is projected onto the tank's surface, indicating the seam position. The torch is black and silver, and the tank is metallic. The background shows a factory floor with other tanks.

Laser Seam Tracking Sensor

Robotic MIG Torch

WHY LASER SEAM TRACKING?

- ✓ Automatically tracks seam position
- ✓ Handles part ovality & variation
- ✓ Consistent weld bead throughout circumference
- ✓ Reduced manual correction
- ✓ Suitable for multi-variant production

✓ **Live Round Welding Operation**

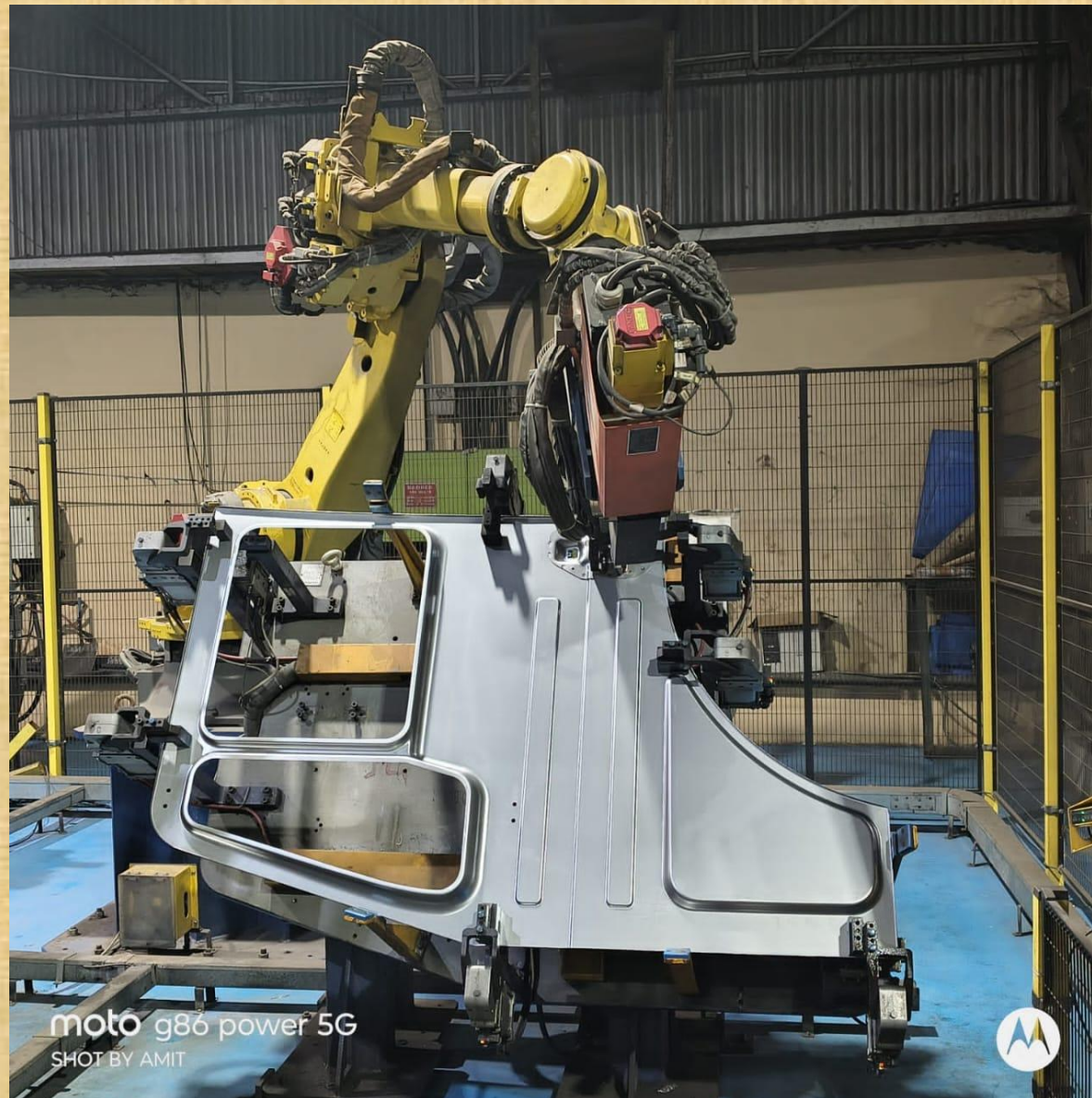
Auto Profiles Ltd. | Jamshedpur

✓ Live production project

1 Variants: 15 / 20 / 25 / 30 LTR

From heavy pressing to smart automation

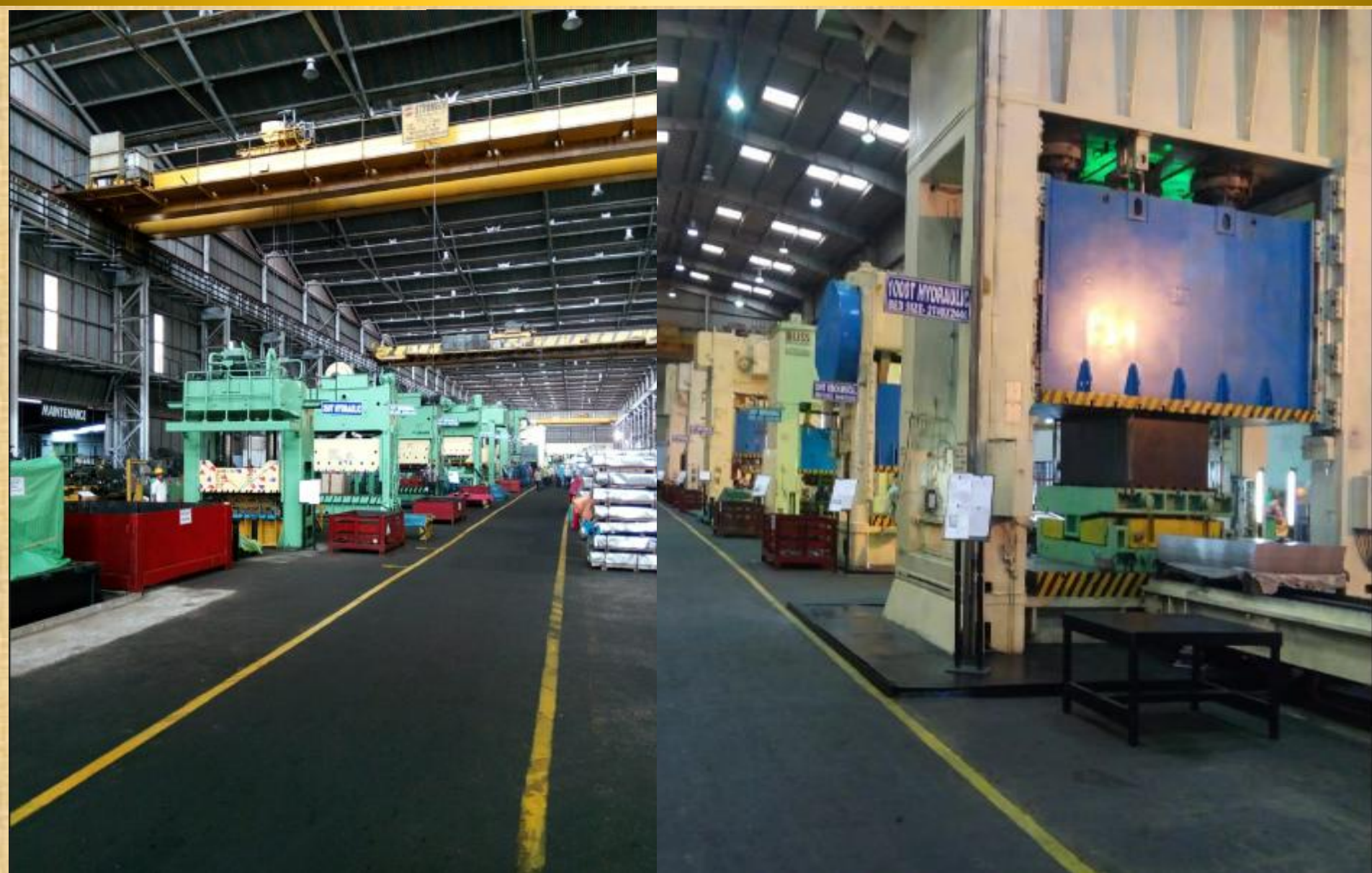
Robotic Spot Welding for BIW Panel Door



4500Ton Press Machine and support equipment's for Long Members Production



Tandem Press line for Production



Large Capacity Press Machines for Production



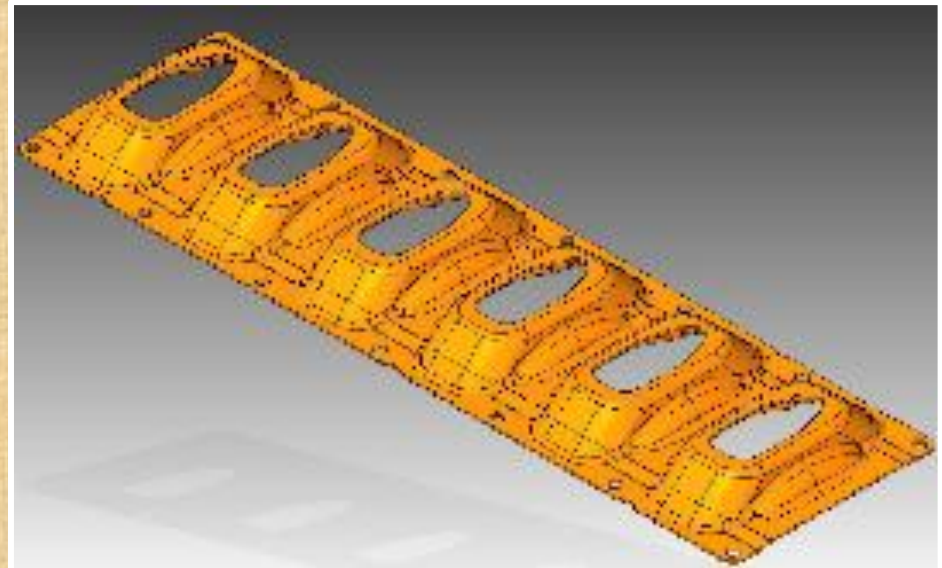
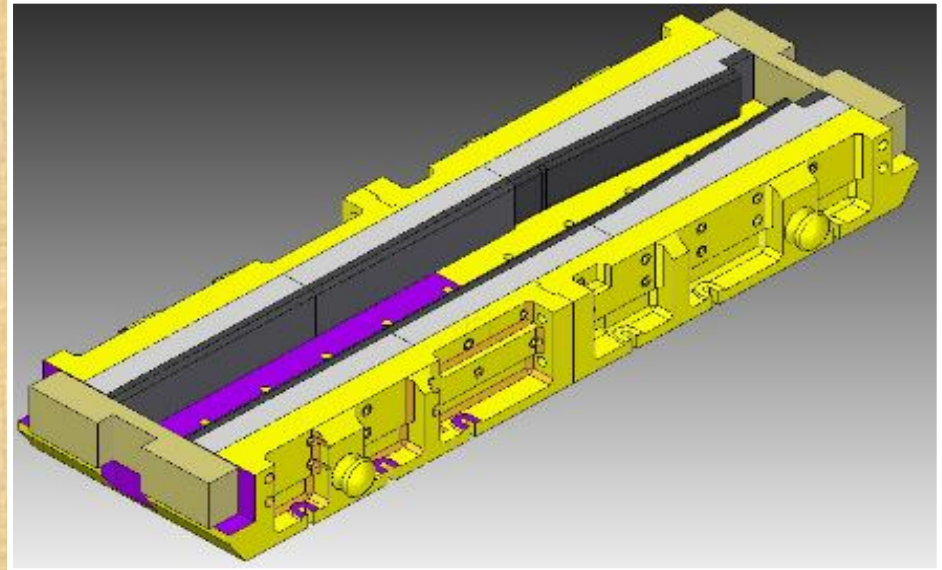
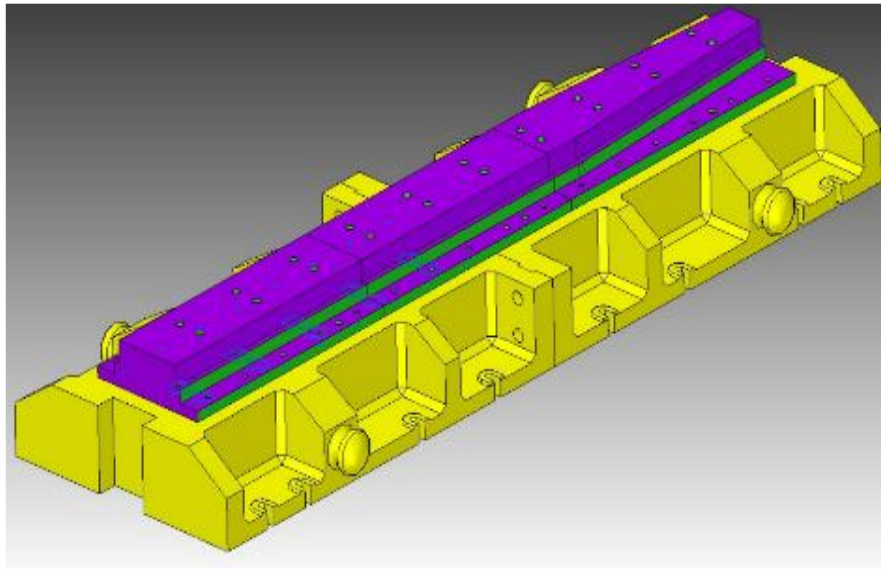
Large Capacity Press Machines for Production





CNC Plasma Cutting Machine

Tool Room – Die Design and Die Manufacturing Inhouse facility

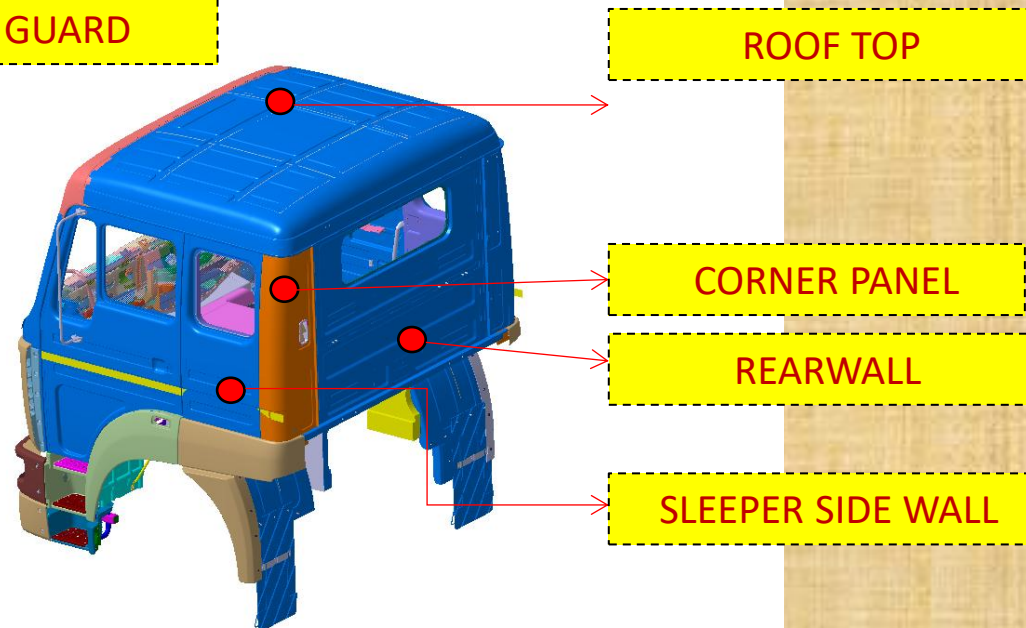
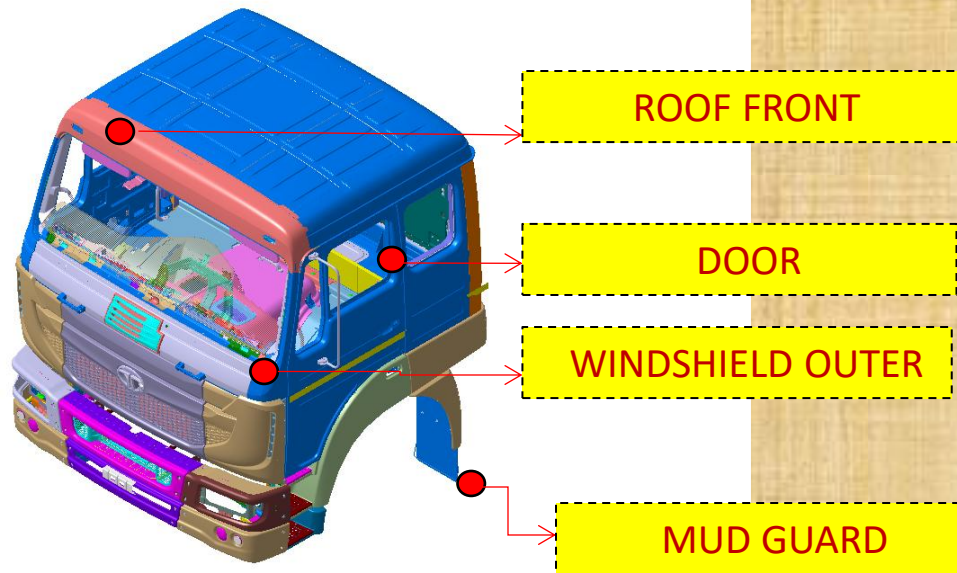




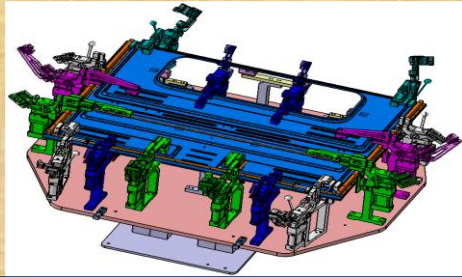
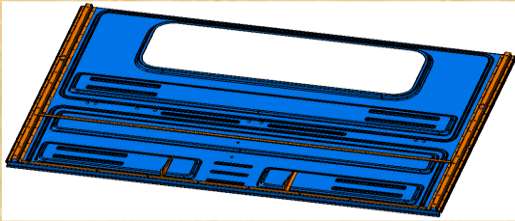
HandySCAN
3D | BLACK
Series



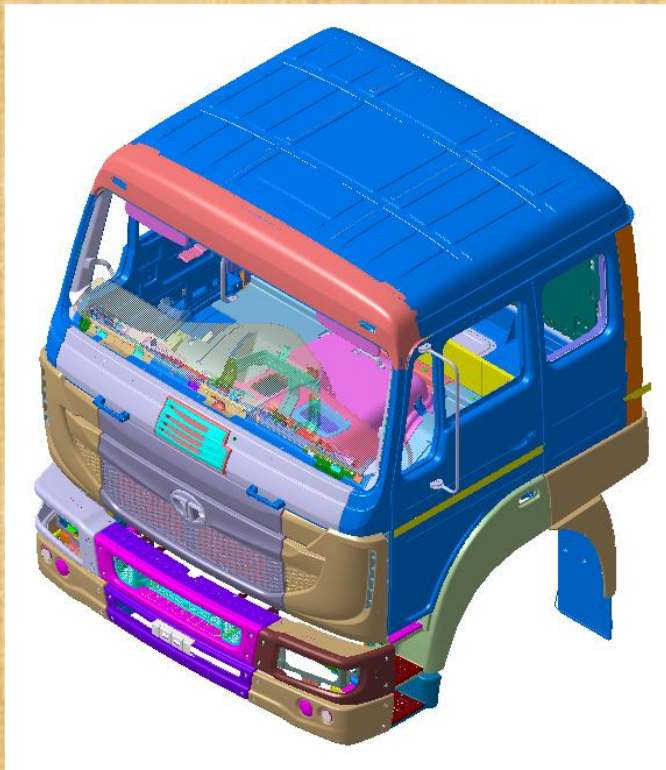
Cabin Parts



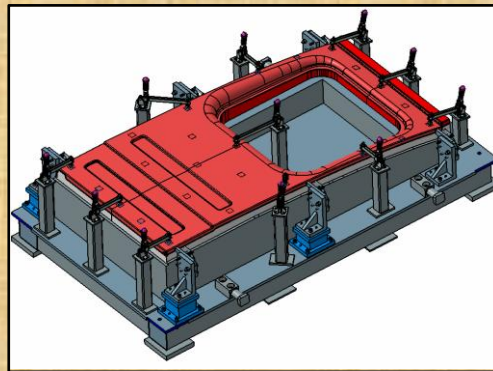
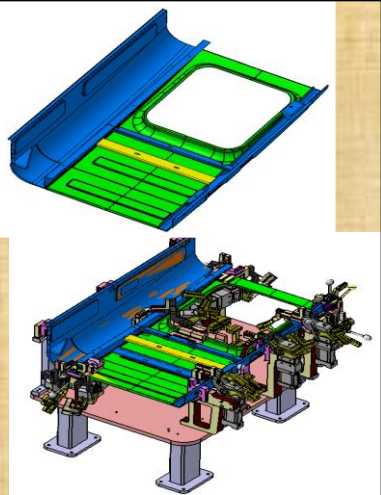
Cabin Parts



Rearwall & Assy Fixture



Outbound
Pallets



Corner Panel & Assy Fixture

Side wall Panel Checker

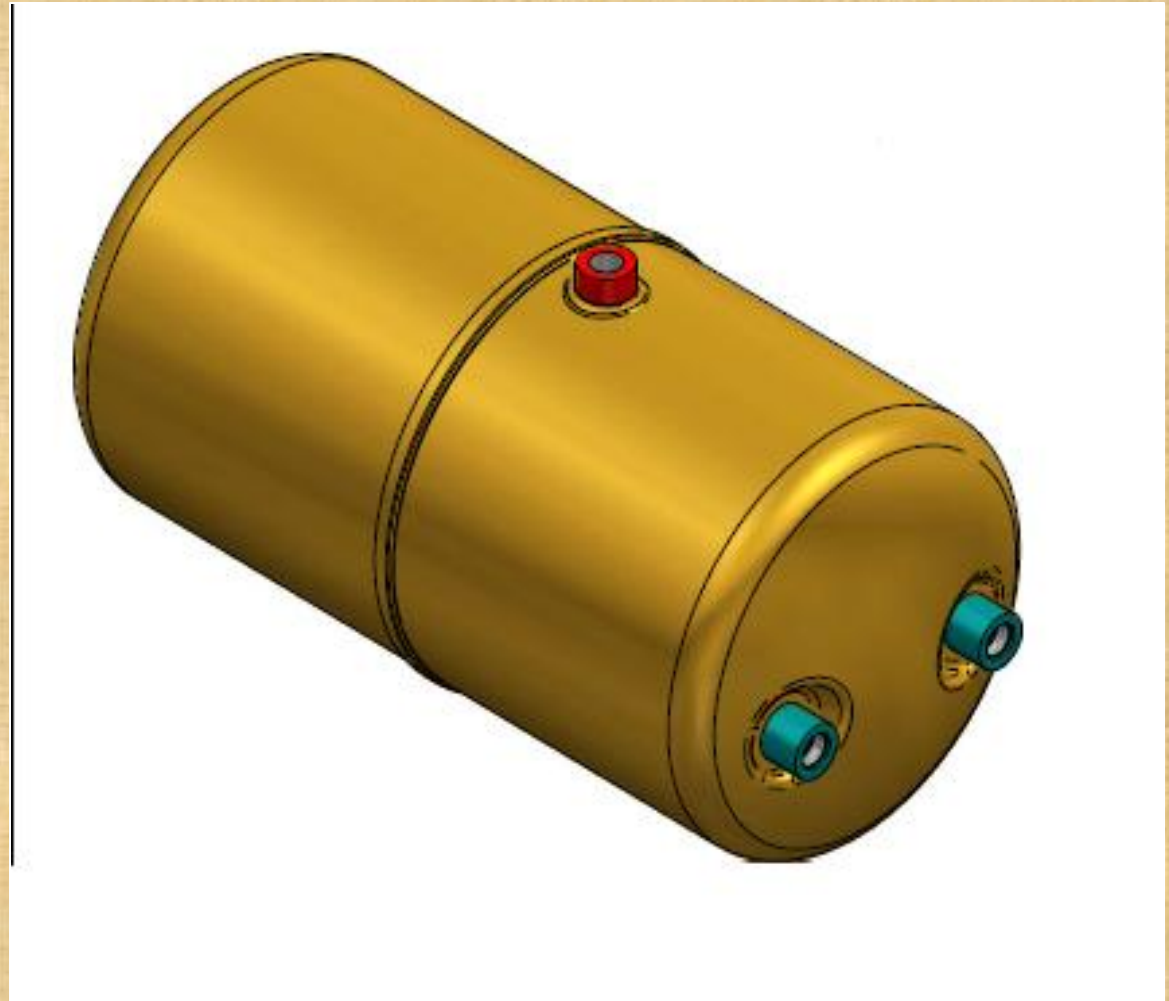
Calibrated Stamping M/c

Green Room Inspection

Innovative Engineering Idea of Auto Profiles Ltd

2-Piece Air Tanks

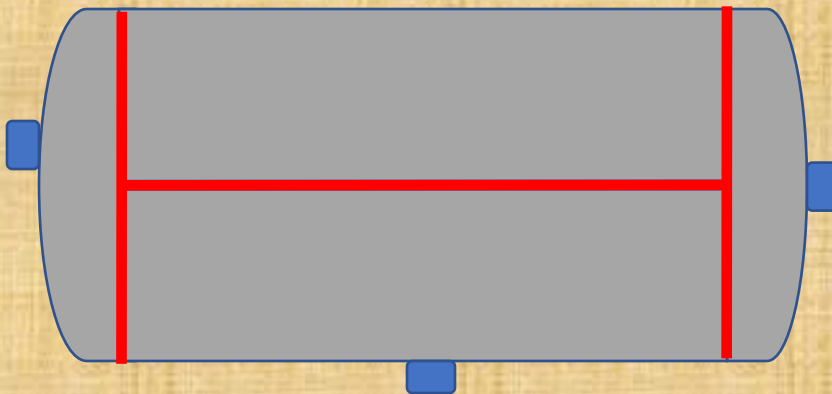
- Triple Action Press for deep draw operation of cups
- 300Kva Bush Projection Welding machine
- Robotic Welding of Cups equipped with laser seam tracker



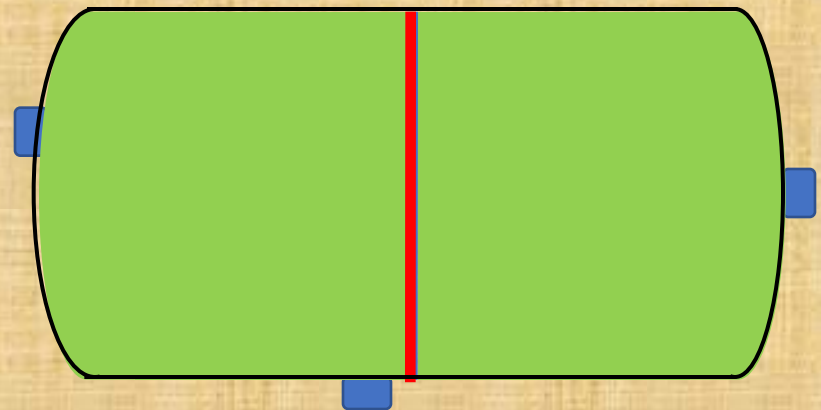
Advantages of 2-Pieces over 3-Pieces

- a) Number of child parts becomes **2Nos (new)** instead of **3Nos (existing)**
- b) Elimination of **longitudinal** weld joint
- c) Elimination of **3-point weld joint at intersection** of main shell & end covers
- d) Air Leakage Proof Weld Joint due to **overlap design of 2 deep-drawn cups**
- e) Fast **Projection Welding** of bosses and nuts
- f) 2-Piece Air Tanks Increase in **productivity, quality and aesthetic looks**

3-Pieces, Existing



2-Pieces, New



For Business Enquiries:-

- info@autoprofiles.co.in
- oracleauto@yahoo.co.uk

For Information, Please refer our website:-

- www.autoprofiles.co.in