



Bright Tech Automation

Welding & Checking fixture, Gauges And Robot cell

Bright Tech Automation

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1. DESIGN AND MANUFACTURING:-

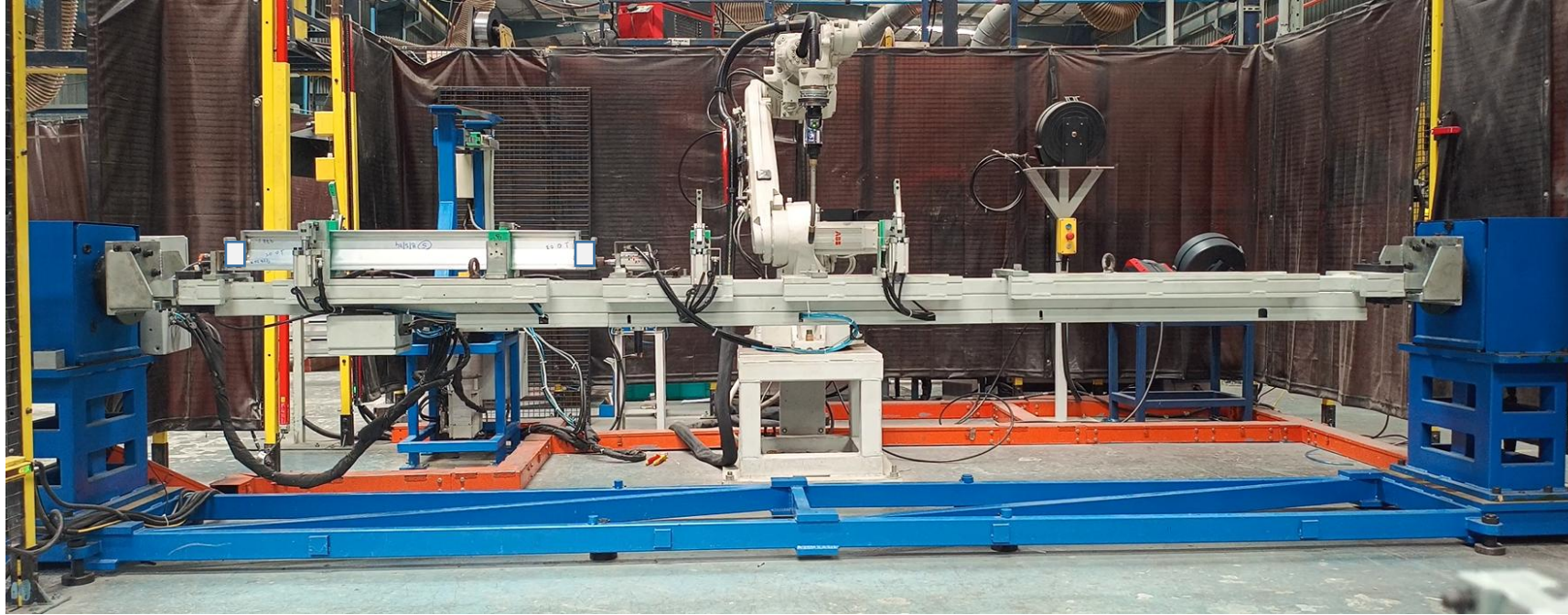
- A. Welding Fixtures
- B. Checking Fixture and gauges
- C. Robot welding cells Manufacturing And installation
- D. Machine tending automation.

Note:- In welding fixture we have manufactured and supplied sub assembly's, base plates, resting units, Clamp arms and wear plates, etc...., And in robot cell we have manufactured and supplied Robot pedestal, Enclosures, Rotary holding base, Motor holding L-brackets and Bearing units. And also robot teaching and installation support we have done.

2. ISO Certificate:-

									
<p>This is to Certify that the Management System of</p> <p>BRIGHT TECH AUTOMATION</p> <p>NO. 24/3, BYLAKONENAHALLI, LAKSHMIPURA POST, DASANAPURA HOBLI, BANGALORE NORTH, BANGALORE - 560091, KARNATAKA, INDIA.</p> <p>has been found to conform to the Quality Management System standard:</p> <p>ISO 9001:2015</p> <p>This certificate is valid for the following scope of operations:</p> <p>Design, Manufacturing and Supply of Jigs & Fixtures, Gauges, Welding Robot Cells and Precision Machined Components.</p> <p>Certificate No.: 09111710A</p> <table border="0"><tr><td><i>Date of initial registration</i></td><td><i>Date of this Certificate</i></td><td><i>Surv. audit on or before/ Certificate expiry</i></td><td><i>Recertification Due</i></td></tr><tr><td>14 May 2024</td><td>11 April 2025</td><td>13 May 2026</td><td>13 May 2027</td></tr></table> <p>Accreditation This Certificate remains valid subject to satisfactory surveillance audits.</p> <div><div><p>EGAC Accredited MNCB CAB #01201</p><p>ICL/FM-001/REV07</p></div><div><p>MEMBER OF MULTILATERAL ACCREDITATION ARRANGEMENT</p></div><div><p>Director</p></div><div></div></div> <p><small>For verification and updated information concerning the present certificate visit to www.iclcert.com This certificate is property of Integral Certification Ltd. and shall be returned immediately when demanded. Integral Certification Ltd. International Office : 45, Middle Hillgate, Stockport, Greater Manchester SK1 3DG Contact No. : +44 7404 823687 (Company Number 15238428 Registered in England and Wales) Integral Certification Pvt. Ltd. Corporate Office : 301, U-60 (3rd Floor), Laxmi Nagar, Delhi-110092, India. Contact No. : +91 9319332273 E-mail: info@iclcert.com Website : www.iclcert.com</small></p>		<i>Date of initial registration</i>	<i>Date of this Certificate</i>	<i>Surv. audit on or before/ Certificate expiry</i>	<i>Recertification Due</i>	14 May 2024	11 April 2025	13 May 2026	13 May 2027
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3. Major Products Photos: Robot Cell And Welding Fixture Photos.



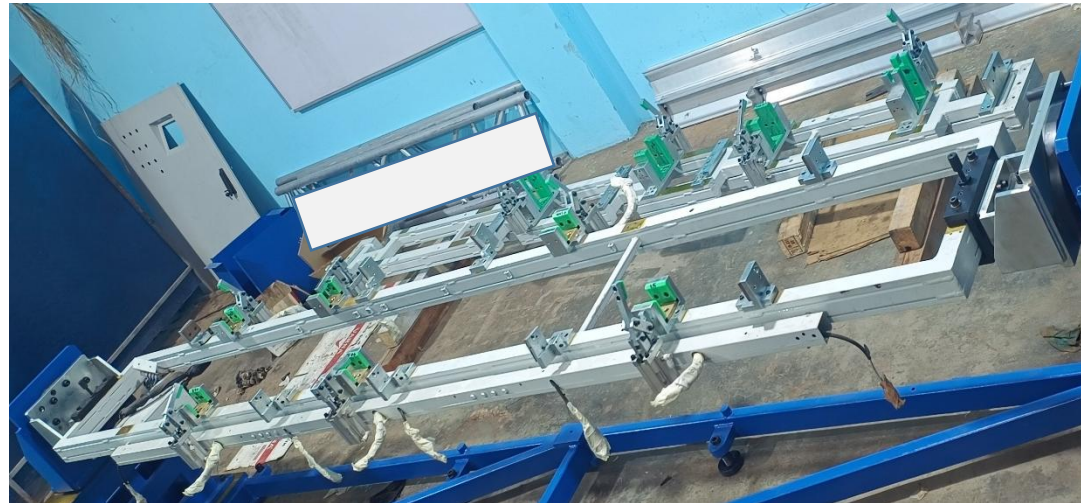
Aluminum welding cell

Fixture quantity: 03 (1 vertical rotary fixture
2 horizontal rotary fixture)

Types of components: 10 (4 variants in
vertical fixture and Each 3 variants in
horizontal fixture.)

Indexer quantity: 2 (1 vertical indexer and 1
horizontal indexer)

Welding Prove out for all 10 variants.



3. Major Products Photos: Laser cutting Robot Cell And Fixture Photos.



SS Tube Laser cutting robot cell:

Fixture quantity: 05

Types of components: 05 (2 LH + 2 RH+ 1

Actual variants in Each fixture have individual indexer with controlled by robot controller.)

3. Major Products Photos: Laser cutting Robot Cell And Fixture Photos.



Aluminum Round Part – Automatic Checking Gauge:

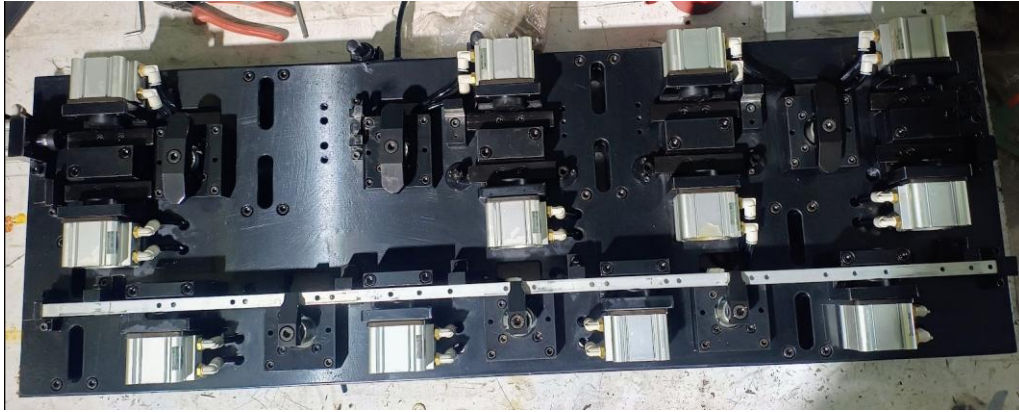
This system is an automated inspection gauge designed for round aluminum components. It uses Keyence (or similar) precision measuring probes to automatically inspect several geometric

parameters:

- Straightness
- Runout
- Concentricity
- Overall length

The gauge integrates automatic data logging, and provides immediate OK / Not OK status indicators based on preset tolerances.

3. Major Products Photos: Laser cutting Robot Cell And Fixture Photos.



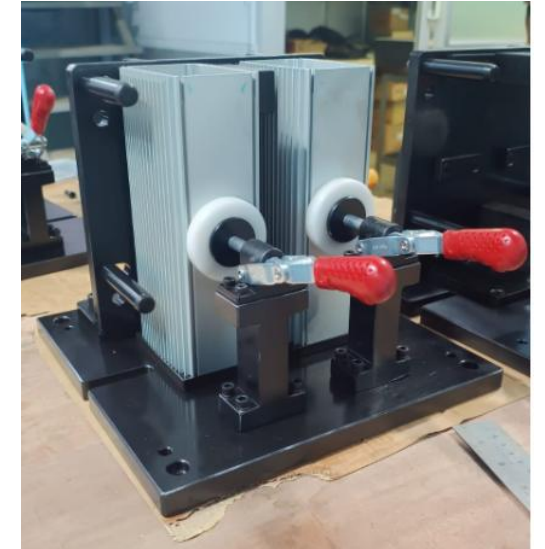
Pneumatic VMC fixture:



Pneumatic VMC fixture:



Toggle clamping VMC fixture:



Toggle clamping VMC fixture:

3. Major Products Photos: Major product we are supplied.



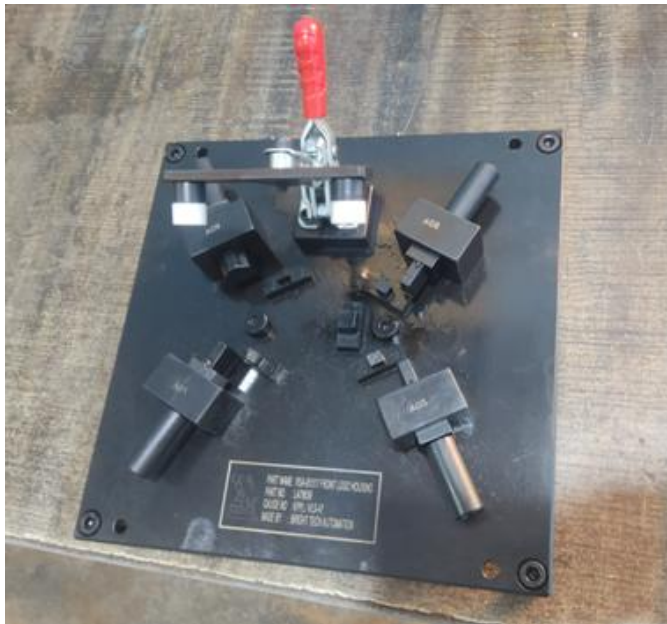
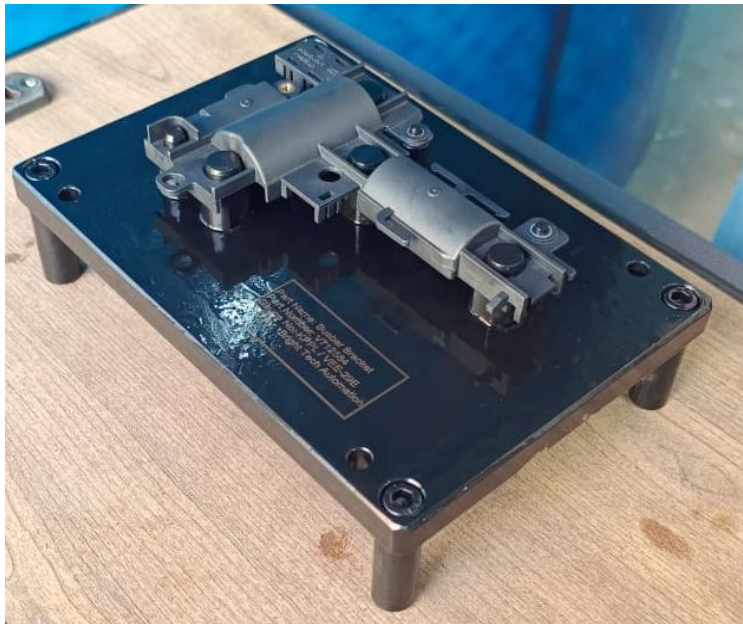
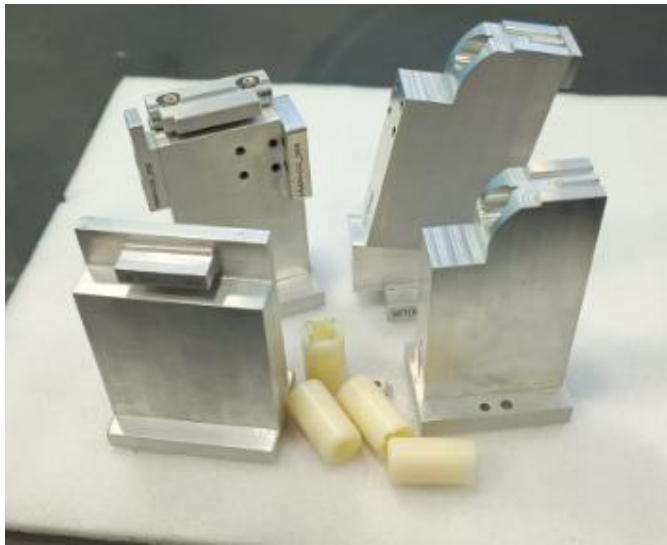
Metro engine parts assembly fixture:



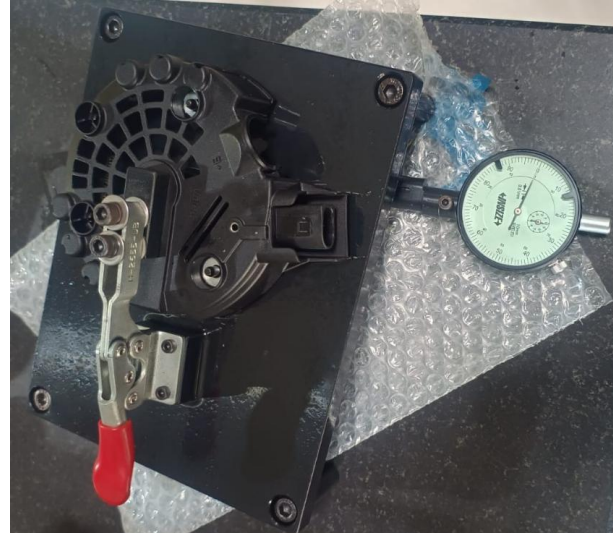
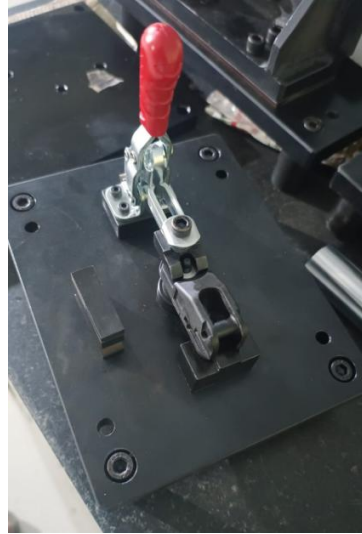
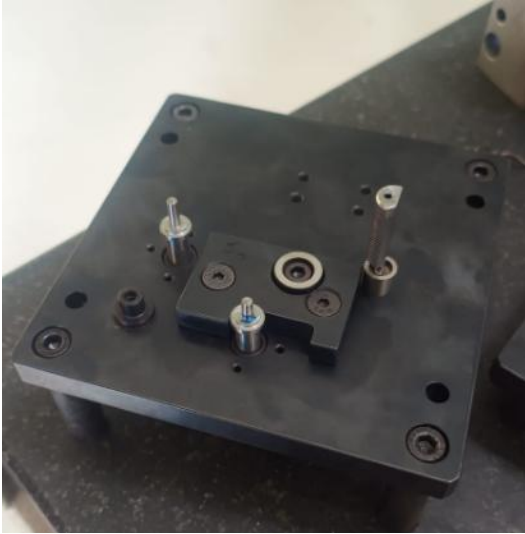
Metro engine parts assembly fixture:

3. Major Products Photos: Checking gauges.

Plastic Parts checking gauges:-



3. Major Products Photos: Checking gauges.



Plastic part checking gauge:



Plastic part insert checking gauge:

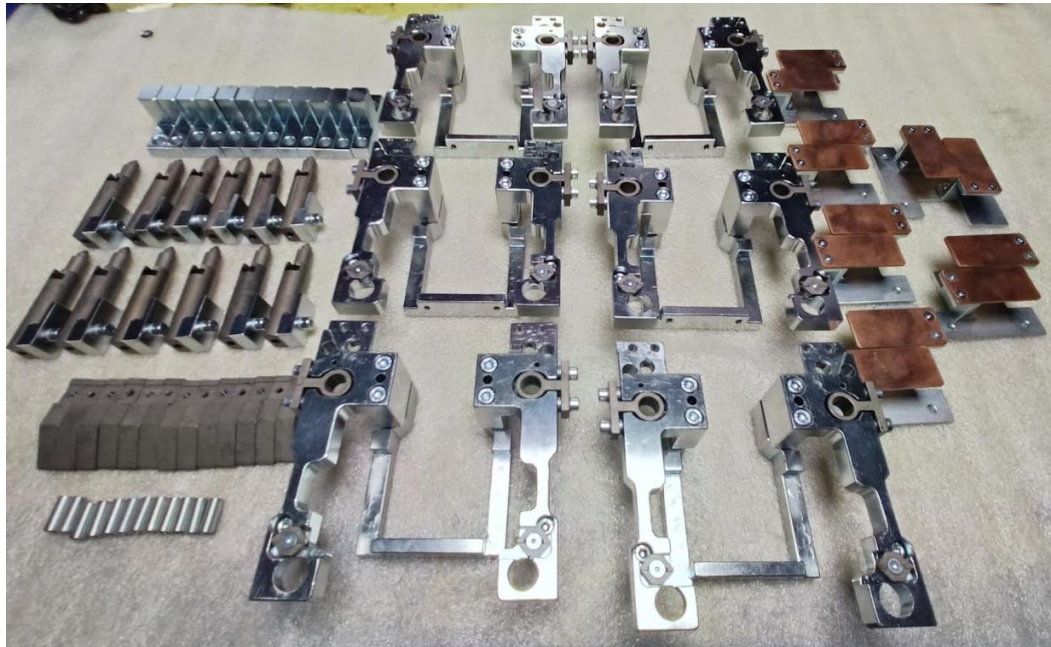
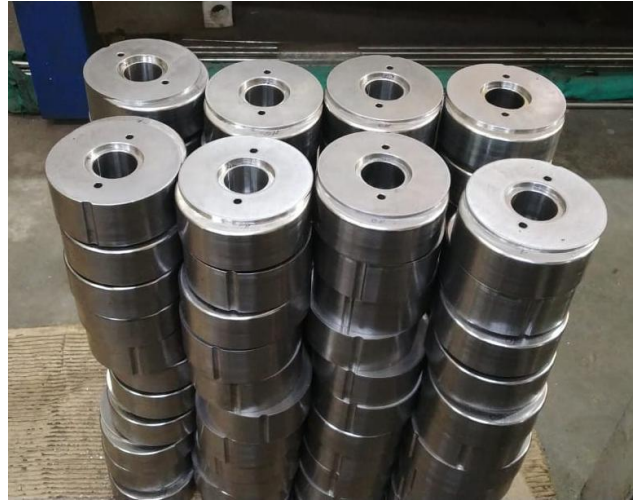
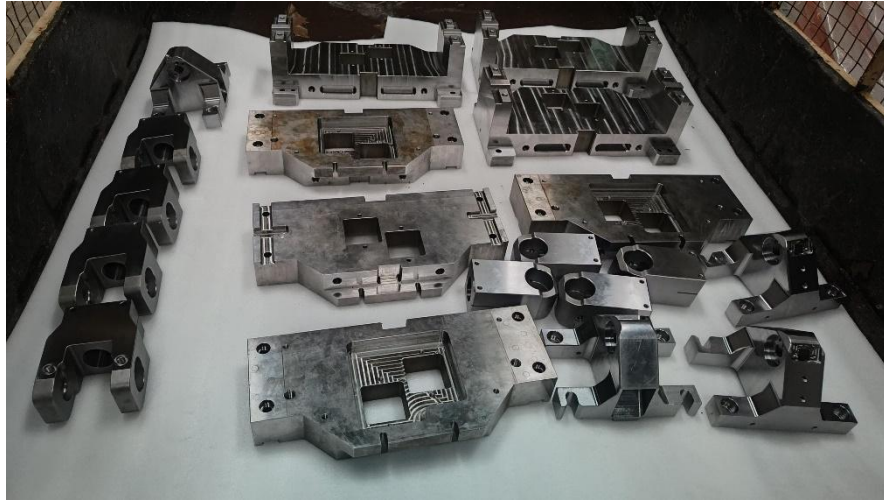


Plastic part insert checking gauge:



Beading unit checking and QR code printing with count and date.

3. Major machined parts photos:-



Major machining Parts:

4. MACHINERY DETAILS:-

1. JYOTI-1260 (Bed size :- 1220x600x600) VMC Machine.
2. YANTRANG-VX-800 (Bed size :- 800x500x510) VMC Machine.
3. COSMOS-CVM800 (Bed size :- 800x500x510) VMC Machine
4. VMC, HMC, and jig boring. (we have 15+ supplier support).
5. Drilling Machine.
6. Surface grinding machine.
7. 350Amps MIG welding machine.



Drilling Machine



COSMOS-CVM800



Surface grinding machine



MIG welding machine



YANTRANG-VX-800



JYOTI-1260

5. Instruments Details:-

1. 200mm Vernier
2. 300mm Height Gauge.
3. 900mmx900mm Surface table
4. Dial gauge
5. Screw gauge (Micrometres)



6. MAJOR CUSTOMERS:-



We Custom Manufacture to your Satisfaction

THANK YOU

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