



EMUSKi

RAPID MANUFACTURING RAPID PROTOTYPING

**YOUR CUSTOM PROTOTYPE
MANUFACTURING SERVICE EXPERT**



BUSINESS OVERVIEW

Catering
Domestic Market
Export Market

Presence
Bangalore

Facility
Hosur, Dabaspe

Founded
2021

Development

In the last two years, Emuski has accomplished more than 50+ projects, delivering precisely engineered solutions to meet the needs of our customers

Workforce

At Emuski, we take pride in our team of 12 dedicated engineers, each with specialized expertise in software development, manufacturing, supply chain, and business development. We deliver excellence through our exceptional team.

Long – Term Partners

Our goal is to foster long-term partnerships with our customers. Many of our current relationships have surpassed the 2-year mark and continue to thrive

OUR SERVICE IN PART MANUFACTURING



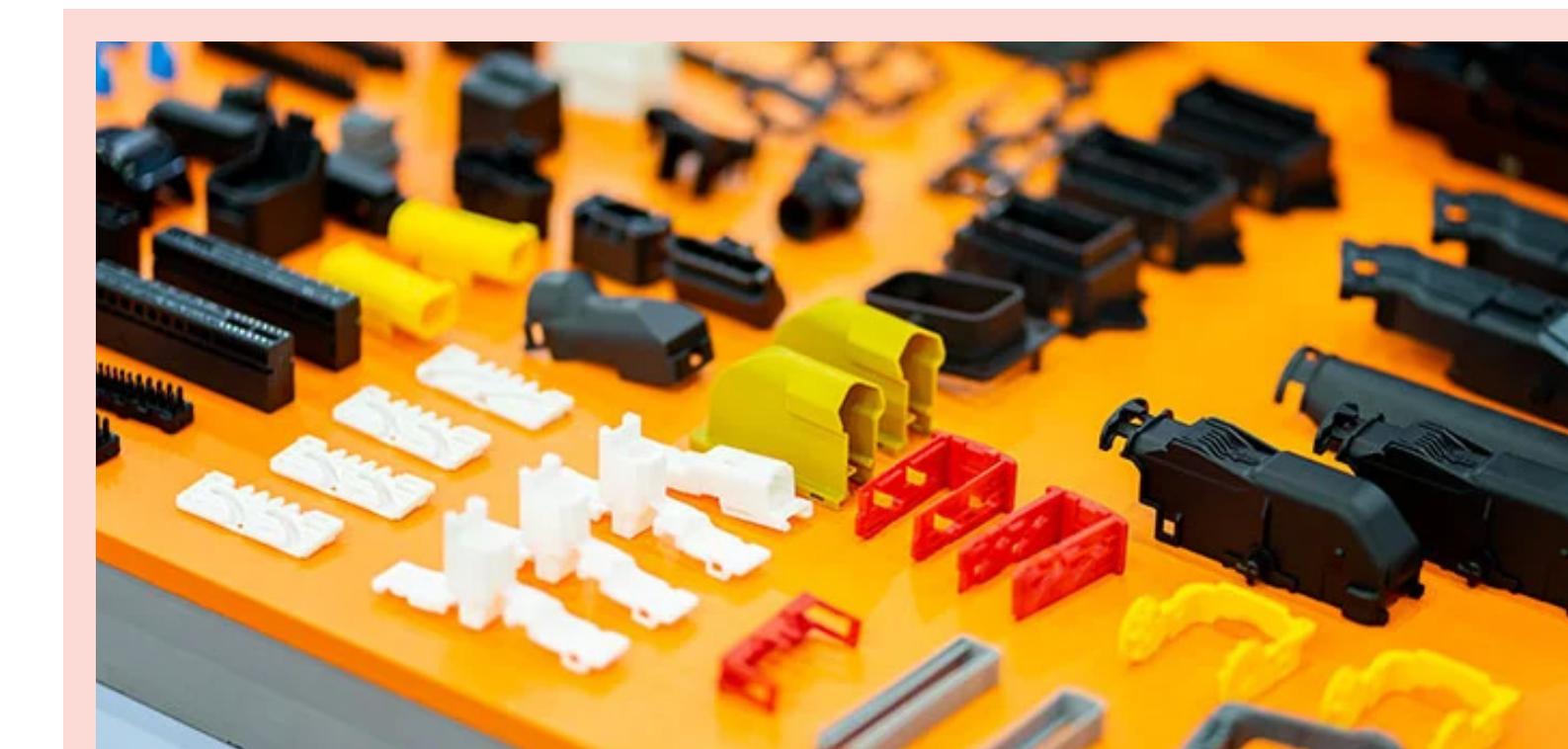
RAPID PROTOTYPING



RAPID MANUFACTURING



STRATEGIC SOURCING SUPPORT



LOW-VOLUME PRODUCTION OF
CUSTOM PARTS

SOLUTION WE OFFER



CNC/VMC Plastic &
Metal 5-Axis Precision
Machining Prototypes



CNC/VMC Aluminum
Machining Prototypes



3D Printing SLA &
SLS Prototypes



Sheet Metal
Prototypes



Vacuum Casting
Plastic Prototypes



Injection Molding
Low-Volume Prototypes

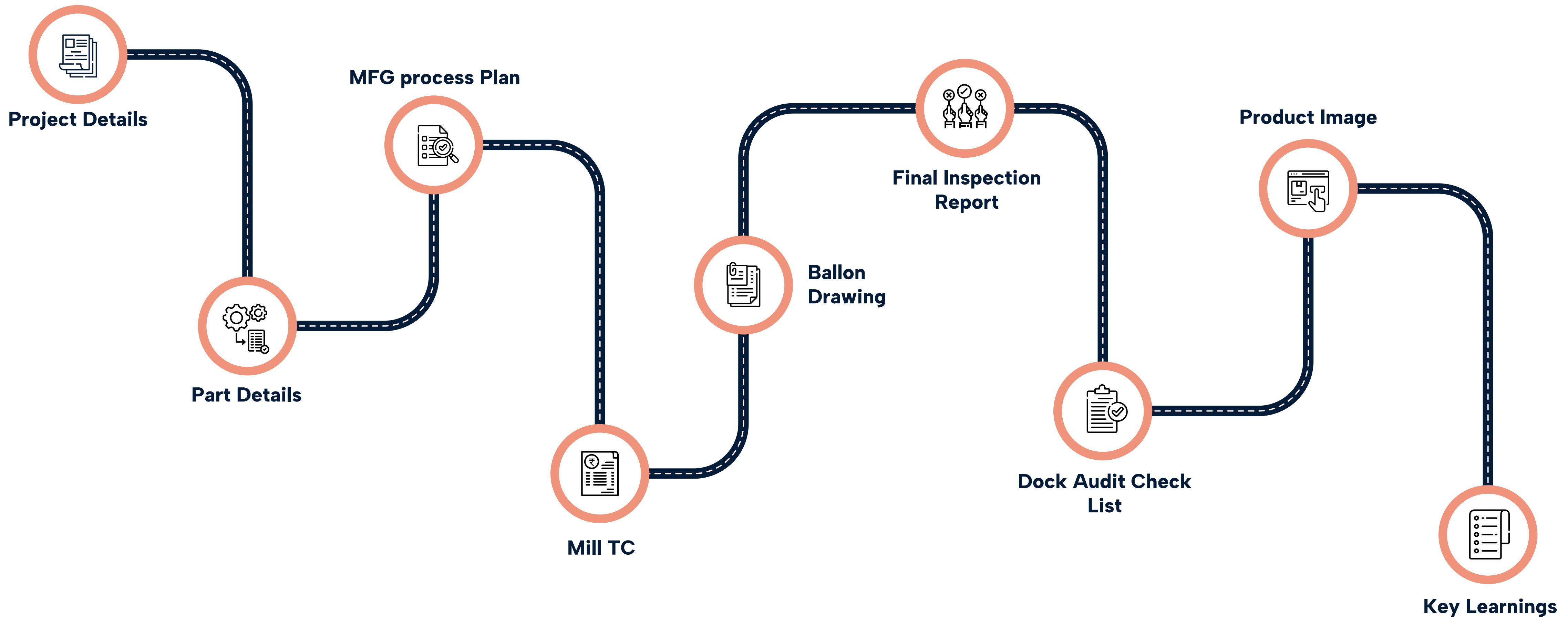


Expert in Fixture, tooling,
jig manufacturing

MAPPING



OUR PRODUCT DELIVERABLES INCLUDES



OUR PRODUCT DELIVERABLES INCLUDES


EMUSKI

DELIVERY REPORT

EMUSKI

PROJECT DELIVERY REPORT



1. PROJECT DETAILS

S.no	Description	Value
1	Customer Name	
2	Address	
3	Buyer Name	
4	Email id	
5	Contact Number	
6	Order type	
7	Purchase Order Number & Date	
8	No of Line item/ Part	Four
9	Delivery Date	25/12/2024
10	Project Scope	Raw Material, Machining, Inspection, Packing and Delivery
11	Incoterms	Door Step delivery
12	Packing Type	Corrugated box
13	Tax invoice number & Date	24008 & 25/09/2024
14	Delivery date	25/09/2024

2. PART DETAILS- RTP2 TPH HOLDER

Line Item -01
Item number-MIN00000364
Drawing number -820-001844-00
Part Description - RTP2 TPH HOLDER
Revision number -A
Material Grade -Al 6061 -T6



Product 3D Image

DELIVERY REPORT

EMUSKI

MANUFACTURING PROCESS PLAN

OP No	Process Name	○	□	⇒	▽	○	●	Specification	Equipment Selection	Control Mechanism/ Inspection type/Remarks
10	Raw Material inward Inspection					✓		Al-6061-T6	-	Third Party Inspection
20	Raw Material Cutting	✓						95 x 64 x 30	Band Saw Cutting	Measuring Tape Inspection
30	Fixture Development		✓					As per 3D model	Machine-VMC Make - Feeler Bed Size-820 x 550 T-100	Vernier Calliper & Height Gauge
40	Machining & tapping		✓					As per 3D model	Machine-VMC Make - Feeler Bed Size-820 x 550 T-100	Vernier Calliper & Height Gauge and TPG
50	Material Movement			✓				Proper Handling	-	For CMM inspection
60	Inspection				✓			As per Ballon Drawing	CMM	
80	Packing	✓						As per Agreed Packing terms	Manual	Corrugated box
10	Delivery				✓			As per Incos terms	Road Transport	Door Step Delivery

RAW MATERIAL INSPECTION REPORT

Material Grade - Al 6061 T6
Inspection type -Chemical Analysis
Tested at - MICRO LAB (NABL Certified lab)
RM supplier Invoice Number -PMCC/B0988
Invoice Date - 14-09-2024
Report Number - TRH/24-25/5373-1
Inspected Date - 19-09-2024

DELIVERY REPORT

EMUSKI

TEST REPORT

MICROLAB We Value Testing

AI ISO/IEC 17025 MATERIAL TESTING LABORATORY Accredited by NABL vide Certificate Number TC-0083 No-05/A, 4th Phase, Sido Industrial Estate, Near Maharsi School Ph: 04344-277800 Email: bsr@microlabchem.com Web: www.microlabtesting.com

Customer:		Report No.:	TCM/14/25/5373-1
M/S. Sharmi Enterprises		TRH/24-25/5373-1	TC-0083
Plot No. 19, Kamraj Nagar, North Santhapuram Road 1st Cross, Chenna Elasagir, Sipcot Post, City-Hosur A35126		Customer Ref. No.:	002
		Ref. Date:	18-09-2024
		Sample Received Date:	18-09-2024
		Date Of Completion:	18-09-2024
Test Report			
Sample drawn by Customer			
Sample Description: Material: Aluminum 6061 T6, Qty : 2 No.			
Discipline : Chemical, Group : METALS & ALLOYS			
SPECTRO CHEMICAL ANALYSIS Test Method : ASTM E1251-2017a			
Verified By: Rohini Tested on : 18-09-2024			
Test Parameters Result Requirement Test Method			
% Silicon	0.640	0.40-0.80	ASTM E1251-2017a
% Iron	0.654	0.70 max.	ASTM E1251-2017a
% Copper	0.223	0.15-0.40	ASTM E1251-2017a
% Manganese	0.111	0.15 max.	ASTM E1251-2017a
% Magnesium	1.011	0.80-1.20	ASTM E1251-2017a
% Chromium	0.103	0.040-0.25	ASTM E1251-2017a
% Zinc	0.143	0.25 max.	ASTM E1251-2017a
% Titanium	0.023	0.15 max.	ASTM E1251-2017a
% Aluminum	Remainder	Remainder	ASTM E1251-2017a
Remark: The material conforms to ASTM 6221 Alloy 6061 with respect to test/s carried out			
For MICROLAB			
Sree Sudha Manager - Technical			
Authorized Signatory			
End of Test Report			

NOTE: This report relates only to the particular sample submitted for test. * Any correction is not attended shall invalidate this certificate. * Sample will be destroyed after 15 days from the date of issue of this certificate. Any request for extension of time for destruction should be made in writing within 7 days of this certificate. * This report may not be produced wholly or in part and cannot be used as evidence in a court of law unless it is certified by a Notary Public without prior permission in writing. * Sample description is not verified in all cases and is given as described by the customer. * False test indicates damage to the instrument or damage to the sample. * The laboratory reserves the right to accept or reject samples based on the circumstances of the customer. * Non Conformity as per Decision Rule 4 & for Rule 2 & 3 Customer provides feedback. Format No. M-14/25/5373-1

Page 3 of 27

DELIVERY REPORT

EMUSKI

KEY LEARNINGS

Part Number - 820-001644-00

- The material grade used is Al 6061 T6, which is chosen for its ease of machinability.
- To achieve 50-micron parallelism, a dedicated fixture is needed to securely hold the parts.
- For achieving a 15-micron tolerance feature, it's better to use a 5-axis machine, as this will minimize the number of setups and potential errors.

Part Number - 820-002085-00

- Due to the very low wall thickness, it is challenging to hold the part during machining. Currently, to achieve the desired wall thickness, the wire cut EDM process is being used.

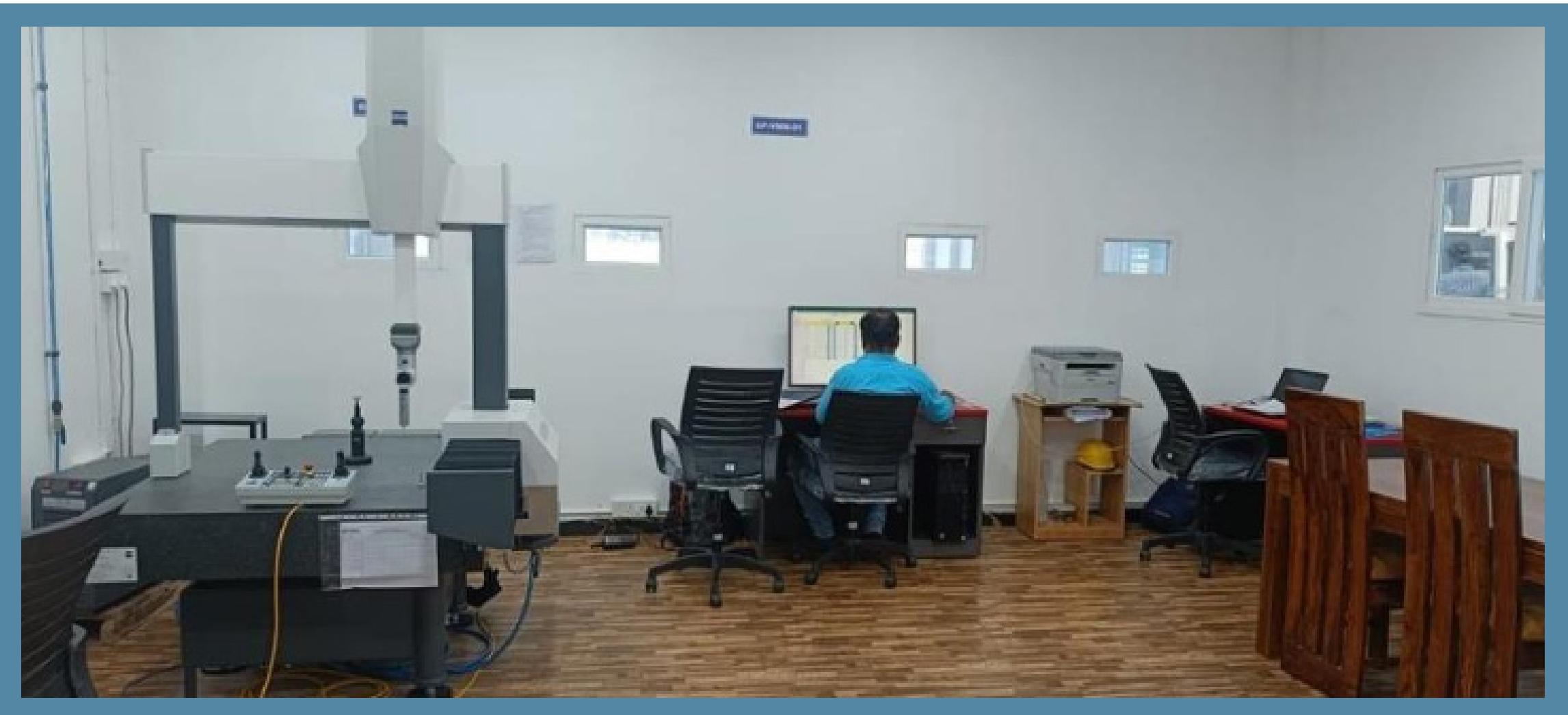
Part Number - 820-001898-00

- Similar to the previous part, the very low wall thickness makes it difficult to hold during machining. The wire cut EDM process is being employed to achieve the required wall thickness.

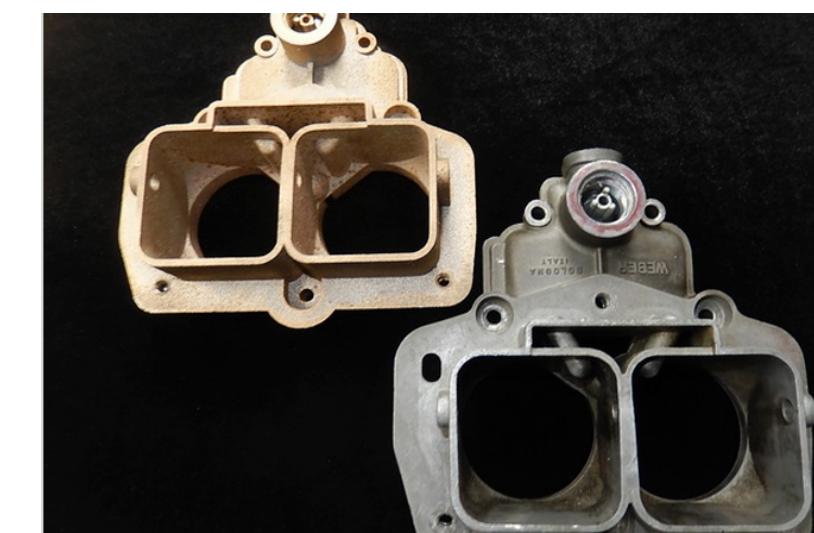
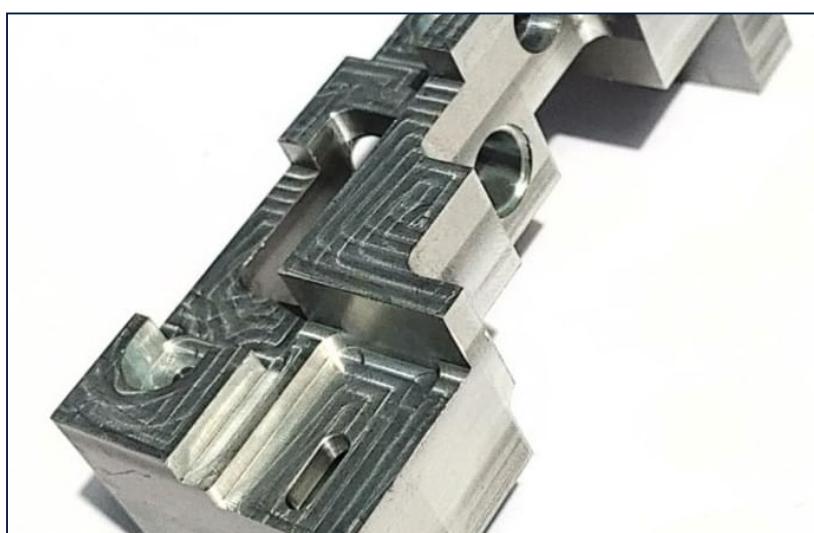
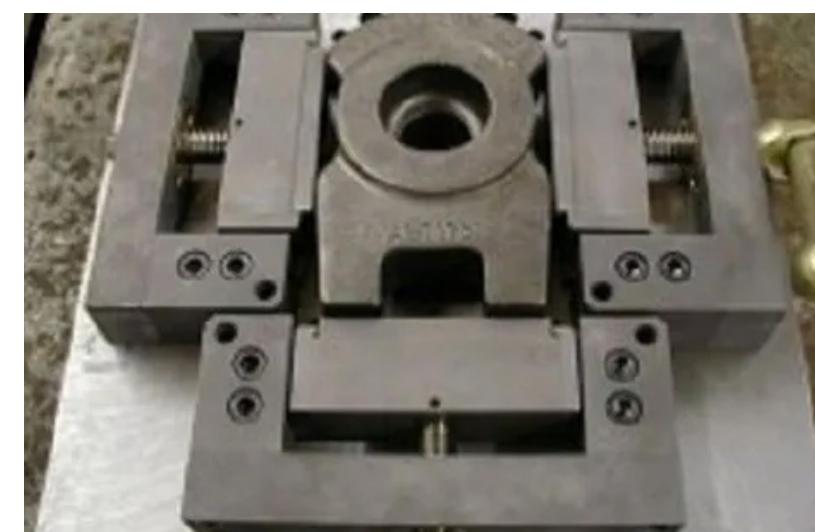
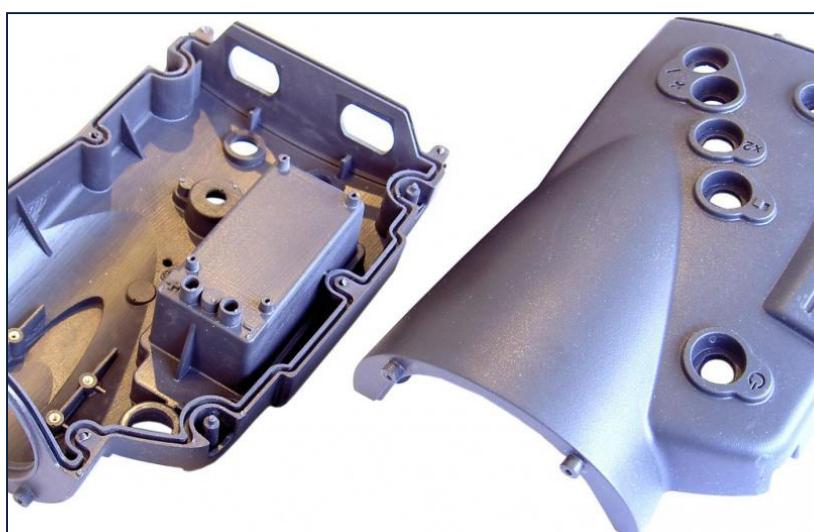
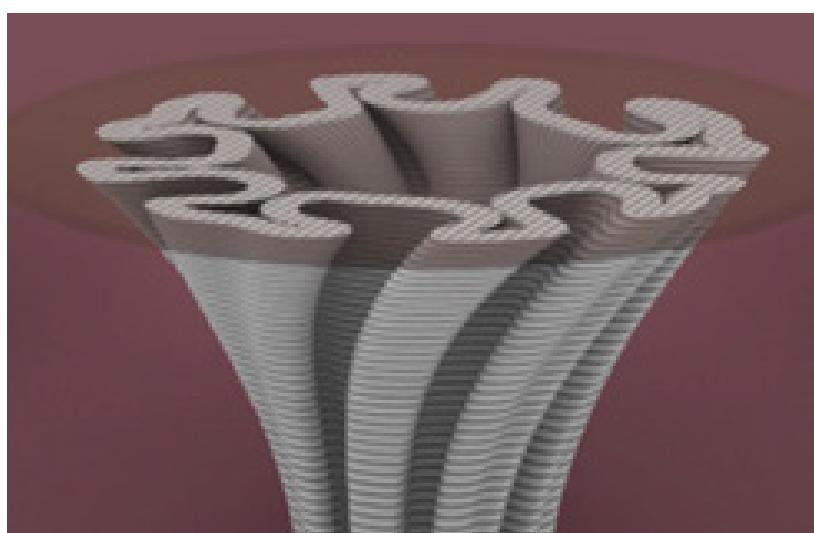
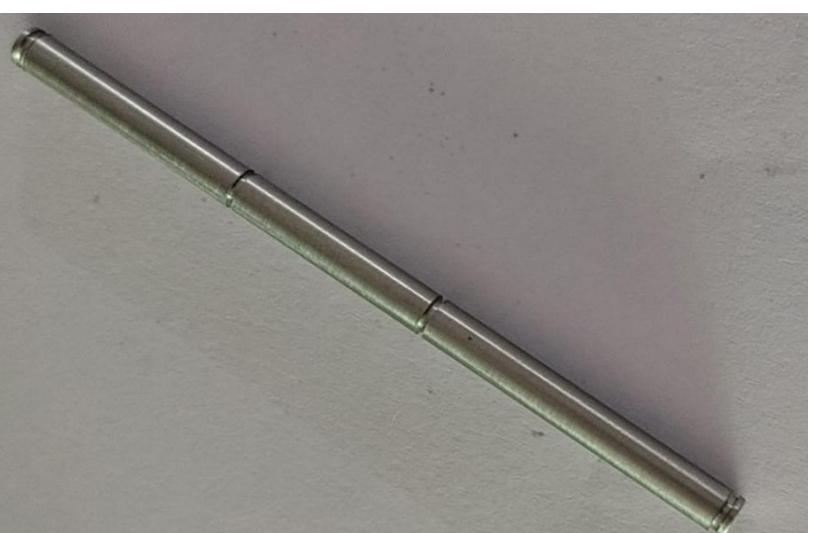
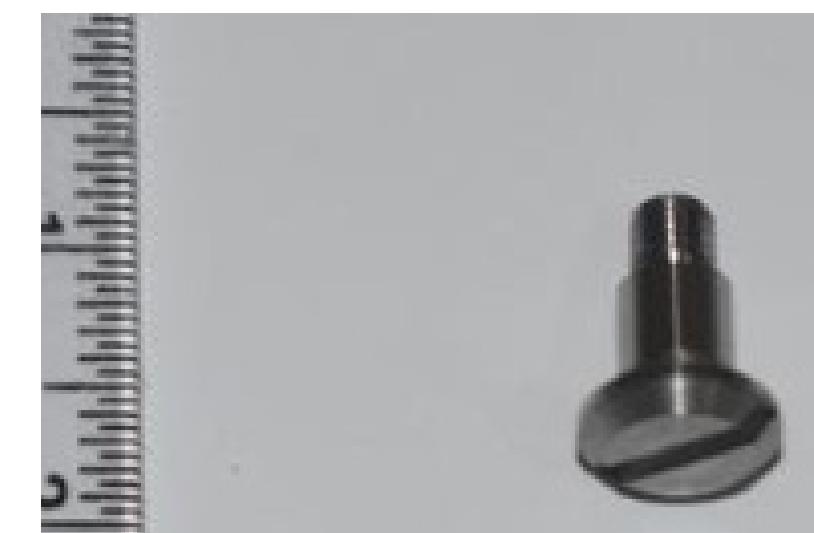
Part Number - 820-001647-00

- Due to the small size of the part, slot milling operations are particularly challenging. A separate holding mechanism is necessary to secure the parts during slot milling.

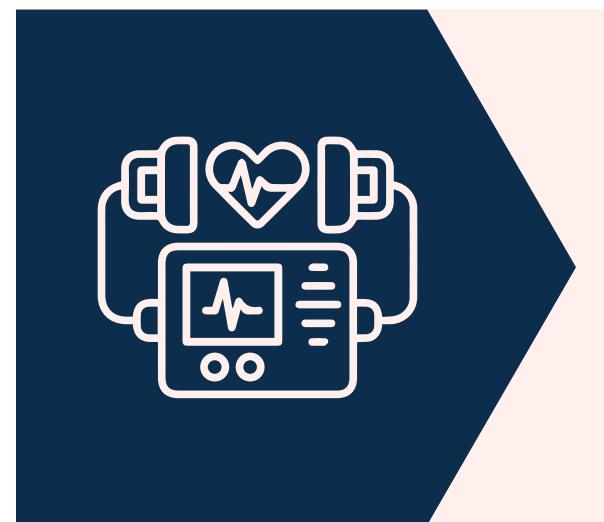
MACHINING FACILITY PHOTO



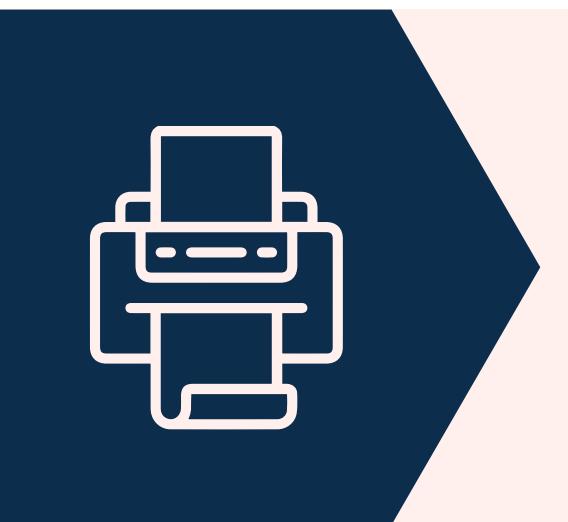
SOME OF PRODUCT MANUFACTURED



SECTORS WE SERVE



Machine/Equipment Details



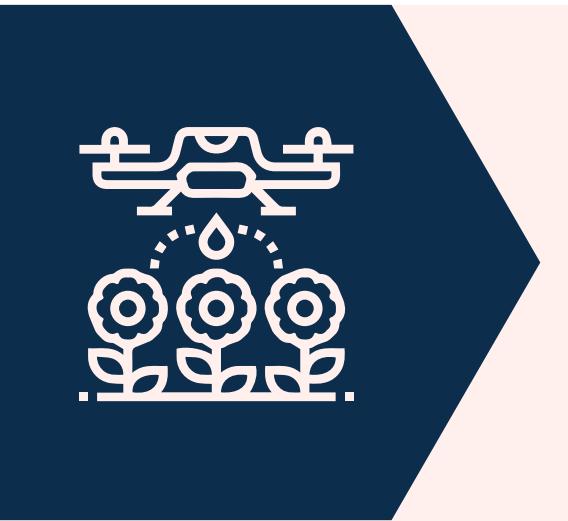
Printer Manufacture



Robotics and Automation



Industry machineries



Agriculture Devices



Consumer Product



EMUSKi

MANUFACTURING REDEFINED

Contact Us

enquires@emuski.com

"When something is important enough, you do it even if the odds are not in your favor."

- Elon Musk

www.emuski.com