



AEROSPACE

A Legacy of Precision Engineering Excellence.

Nurtured and Strengthened

Our History

Since its inception in the year 1975 as a Cold Rolling Steel company, we have diversified our expertise over the years to transform ourselves into a precision engineering conglomerate spanning Engineering Services, Construction, Engineering Design, Water & Wastewater Treatment Solutions, Solar, Boilers, Automobile, hydraulics, Railways & Aerospace.

Our growth sprint over the years testifies and reaffirms our value for excellence and sets benchmarks in Precision Engineering.

Challenges Overcome

The precision engineering industry plays the important role of underpinning many other industries. Pennar Industries caters to the multifarious needs of the world's leading companies to solve unique technical challenges. In the current dynamic trend of shrinking product life cycles and increasing product mix and complexity, Pennar Industries has remained agile, adaptive and innovative.

Progressively, the company has levelled up to the production of higher value-added components; entailing investments in higher capital equipment, upgrading of the skill level of the workforce and the development of the necessary technical competencies.

Pennar Aerospace Synopsis

Established - 1975 evolved in the Fields of General Engineering, Automobile, Railways, Energy, Infrastructure, Building & Construction and Diversified to Aerospace segment in 2018

Certification - AS9100 D

Listed - Trade India's list of verified sellers offering supreme quality.

Capabilities - 3 Axis and 5 Axis Machining up to 9 Meters which can cater high precision components, State-of-the-art Carl Zeiss CMM, Wire cut, EDM alongside an assembly and conventional Setup.

Materials - Materials Apart from Aluminium and Steel, we are also pioneers in cutting exotic materials like Hastelloy-X, Titanium, HR-alloy, Inconel and Tungsten.

Rendering - In the field of Aerospace.

Location - HYDERABAD - INDIA, VILLEBBRET - FRANCE

Location - 1



Sreeram Nagar Colony, Patancheru, Hyderabad, Telangana 502319

Location - 2



87 Rue ZA Champ Noyer - 03310 VILLEBBRET - FRANCE

Capital Outlay

9 Meter 3 +2 Axis Milling Machine



Make	Yong Ju Precision Technology
Model	5 Axis Machine Model SD3690
Axis	3 + 2 Axis
Contoller	Fanuc Oi-MF
Travel	X-Axis 9000
	Y-Axis 3600
	Z-Axis 1400
Table Capacity	25000 KG
Max Spindel Speed	10000
Position Accuracy	15un Full Length



MILLING 5 Axis



MILLING 3+1 Axis



BODY BOLSTER



Turn Mill



Wire Cut



EDM

Capabilities

CNC Setup

- 3-Axis CNC Milling
- 3+1 Axis CNC Milling
- 4th Axis CNC Milling
- 4+1 Axis CNC Milling
- 3+2 Axis CNC Milling
- 5-Axis Simultaneous Milling
- Turning
- Turn Mill
- EDM
- Wire-cut

Conventional Setup

- Band saw Cutting
- Milling with DRO
- Lathe
- Radial Drilling
- Jig Boring
- Cylindrical grinding
- Surface Grinding

Assembly setup

- Welding
- Brazing
- Riveting
- Soldering
- Fitting

Key Inspection Capabilities



Products



Aluminium Structural Parts

Operation		CMM	Profile Projector	Digital Height Gauge	2 D Height Gauge
Make		Carl Zeiss	Optomech	TRIMOS	Mitutoyo
Model		Contura G2	VPPME 3020	V7	192-632
Software		CALYPSO	Easson	-	-
Table Size in MM	X-Axis	1000	300	-	-
	Y-Axis	1200	200	-	-
	Z-Axis	600	45°	0 – 600 mm	0 – 700 mm
Accuracy		1.9 + L/300	1µ	0.01 mm	0.01 mm



Aluminium Structural Parts



Aluminium Structural Parts



Aluminium Structural Parts



Aluminium Structural Parts



Aluminium Structural Parts

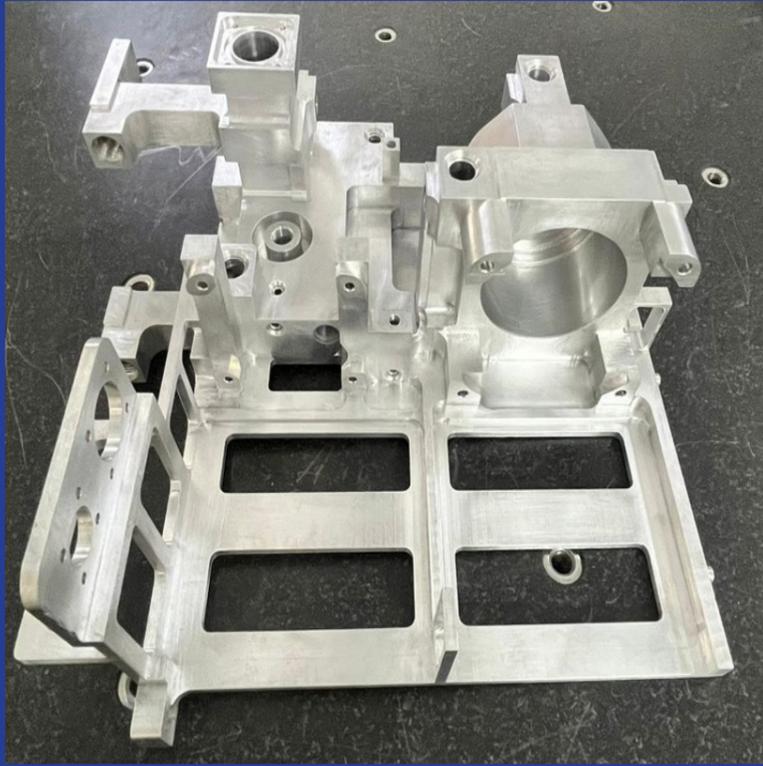
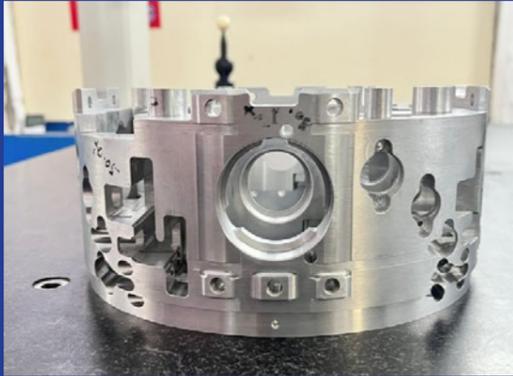
Products



Aluminium Components



Titanium Components



Actuators Mechanical Components



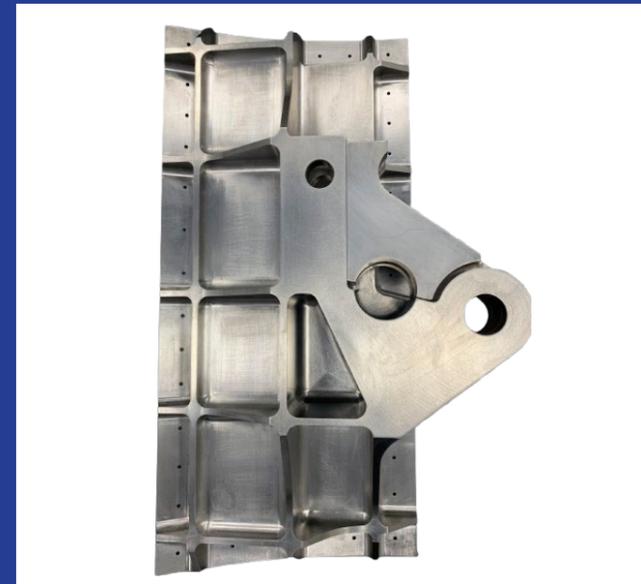
Booster Components-Brahmos



Wing Panel



Interface Plate



Air Craft Rear Fuselage Structural Part



Air Craft Elevon Structural Part

Products



Tools for Composites Industry

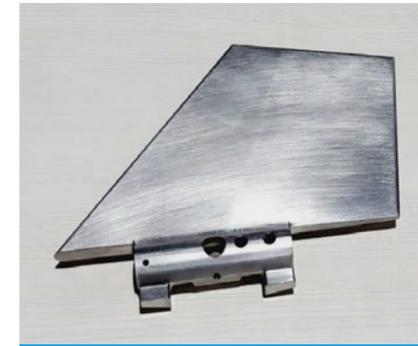


Products

Comprehensive Precision Steel & Tungsten Alloy Components



NOZZLES



FLAP



WEDGES



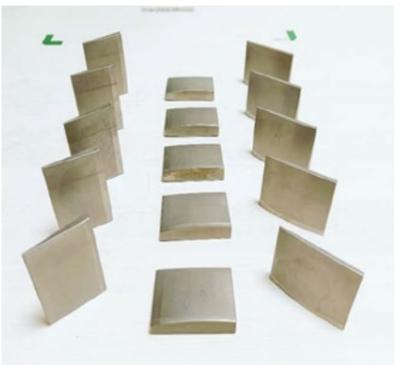
BRACKETS



FLANGE



RADIOACTIVE CAMERA BODY



BALANCE WEIGHTS

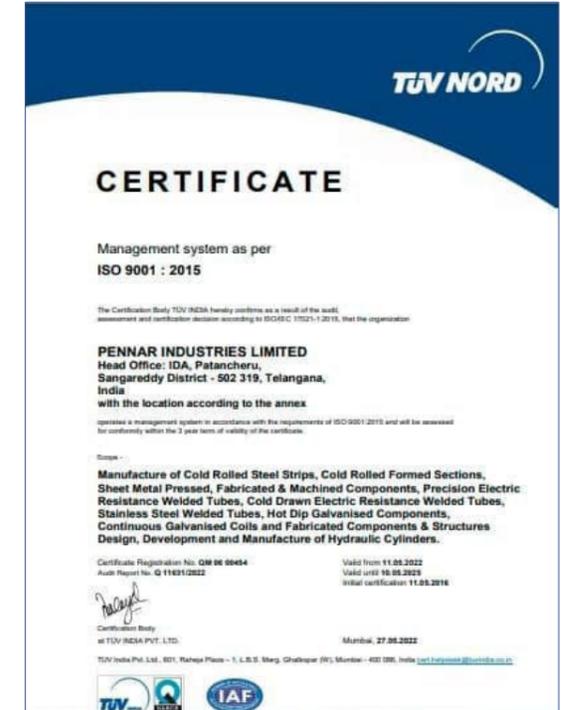
Products



RADAR Antenna Parts



Certifications



Aerospace Clientele



Other business verticals of
Pennar Industries



Pre-engineering buildings



Steel Products



Railway Sub-Assemblies



Hydraulics



Industrial Boilers and Heaters



Automotive/Manufacturing Engineering



Solar Panels



BIW



Structural Engineering Services



Precision Tubes

Pennar Industries is a multi-location, Multi-product company with a significant presence in sectors like **Infrastructure, Automobiles, Aerospace, Power, General Engineering, Building and Construction among others.**



Other Subsidiaries

Pennar Global Inc USA
Pennar GMBH, Bad Homburg Germany
Pennar Cadnum, Villebret, France.



PENNAR INDUSTRIES LTD.

D.No 2-91/14/8/PIL/10&11, Whitefield,
Kondapur, Hyderabad, Telangana.500081.

T: +91 40 4006 1621/22/23/24,
F: +91 40 4006 1618,

E: contact@pennarindia.com
W: www.pennarindia.com