

COMPROTECH

AN ADANI & RAGHU VAMSI JOINT VENTURE



AEROSPACE AND DEFENSE

Comprotech is an Raghu Vamsi & Adani Joint venture manufacturing High Precision Parts and Assemblies for Defence. It incorporates a world class air conditioned facility with in house Machining , Electronics and Composites capabilities.

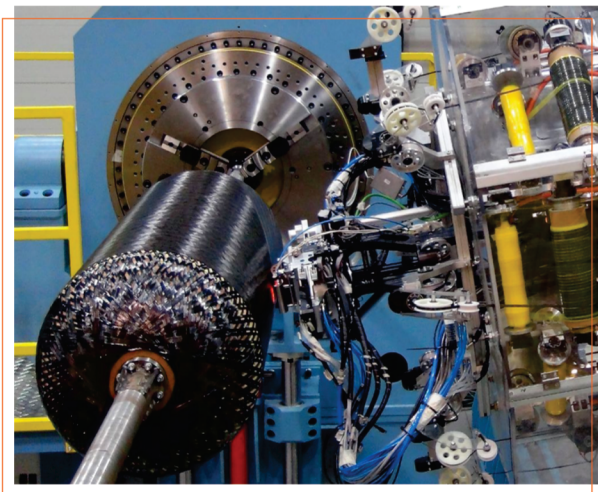
What we do:

Working Towards Indigenizing India's Defense Requirements

Achieving self - reliance in defence manufacturing is one of the key objectives of department of defence production, to this end CEPL is working towards being one of the leading contractors for defense , space and aerospace.



Composite Manufacturing



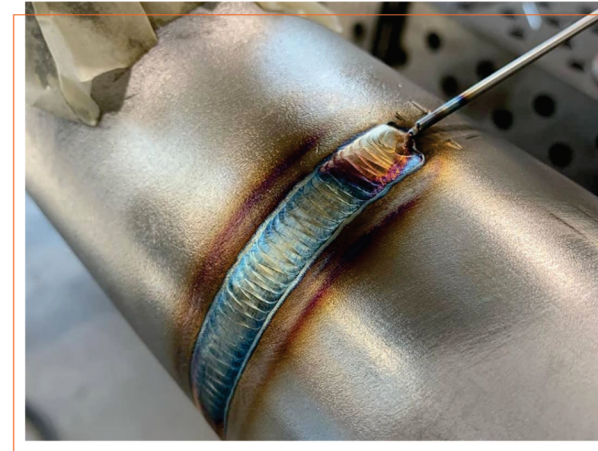
- ◆ Capacity of presses up to 500 tons
- ◆ Components sizes from 5mm to 1000mm
- ◆ Processes performed: Compression molding, Filament winding, Hand layup, Resin transfer molding, Auto clave & oven curing.
- ◆ Workable materials - E glass, high glass silica, carbon fibre, carbon fabric & graphite

Sheet Metal Fabrication

- ◆ Processes: Laser cutting, Turret punching, Press brakes, Plating, welding, Assembly and riveting
- ◆ Workable size: 0.3mm to 7mm in sheet thickness and 10mm to 3000mm in length.
- ◆ Workable materials: High Nickel, Aluminum & Stainless steel



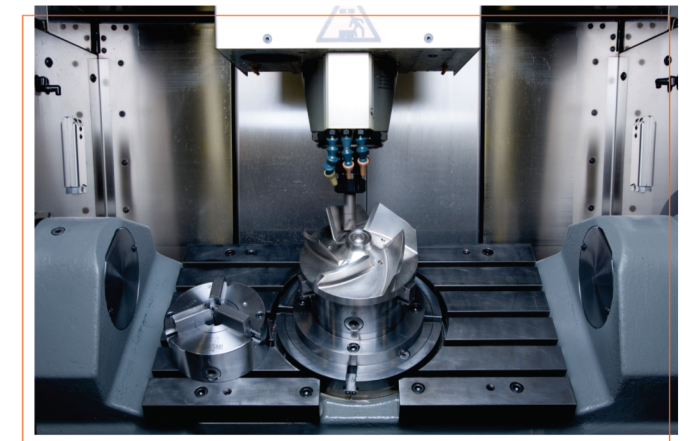
Welding and Assembly



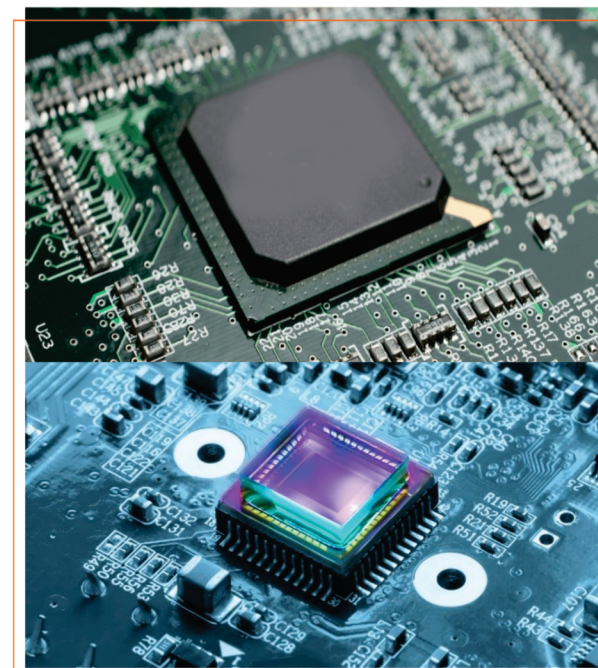
- ◆ Electro Mechanical and Mechanical Assemblies
- ◆ Riveting, Assembly testing & Swagging
- ◆ TIG welding, Spot welding, MIG welding with PLC rotary controls.

CNC Machining

- ◆ CNC machines from 2 axis to 5 axis
- ◆ Workable size :Parts as small as 1mm to 2500mm
- ◆ Workable Materials: High Nickel, Titanium, Stainless Steel, Aluminum & Plastics.



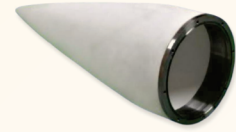
Electronics : Comprotech Engineering Pvt Ltd Can Provide a complete Turnkey Engineering & Manufacturing Solutions for all electronic hardware design and fabrication.



- ◆ Hardware & PCB design
- ◆ PCB fabrication & Assembly
- ◆ Component Procurement & Supply
- ◆ Cable Assembly and Wire harnessing solution
- ◆ Unit level wiring and Integration
- ◆ Limited series & Mass production for electronic systems and sub systems

Seeker Section

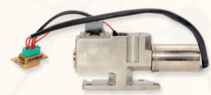
- ◆ Radome



- ◆ Seeker Housing



- ◆ ISA 1



- ◆ ISA 2



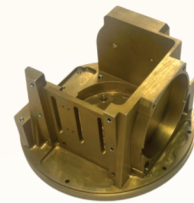
Warhead Section

- ◆ Pyro Cartridge



OBC Section

- ◆ FSPU



- ◆ Test JIG



Propulsion Section

- ◆ Solenoid Valves



- ◆ Pyro Valves



- ◆ Rocket Motor Casing

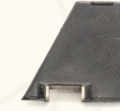


- ◆ Igniter Canister

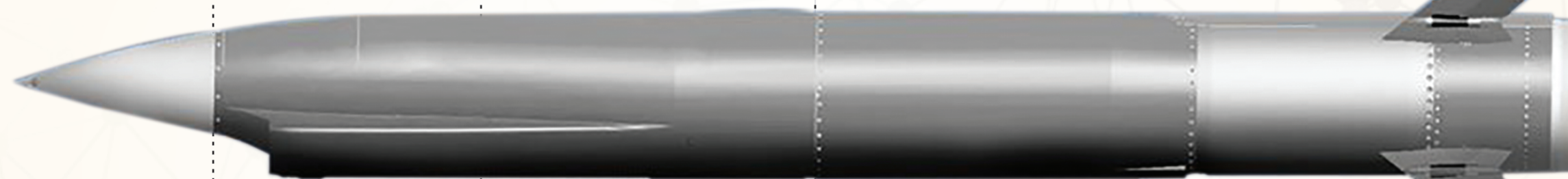


Control Actuation Section

- ◆ Fins



- ◆ Rear Servo Housing



- ◆ Relay Unit



- ◆ Timer Unit



- ◆ Air Frame



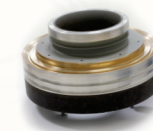
- ◆ Booster And Sustainer Lining



- ◆ Thrust Liner



- ◆ Booster Nozzle Convergent



- ◆ Wings



- ◆ Booster Nozzle Divergent



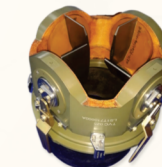
- ◆ Wings Slotted Assembly



- ◆ Detonator



- ◆ Thrust Vector Control



- ◆ Explosive Bolt



- ◆ Electro Mechanical Assembly

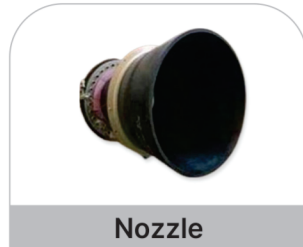


OUR PRODUCTS

Composite



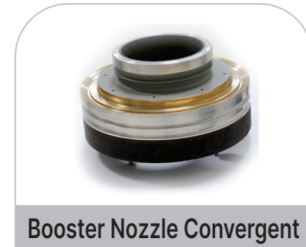
TVC



Nozzle



Booster Motor



Booster Nozzle Convergent

Electromechanical Assy



ISA 2



Explosive Bolt Assembly



Electro Mechanical Assembly

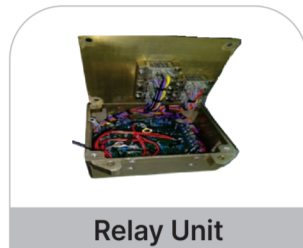


Detonator

Electronics



Test Jig



Relay Unit

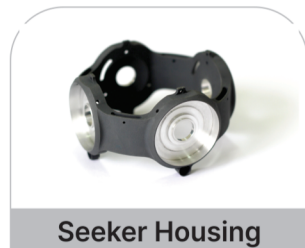


Timer Unit

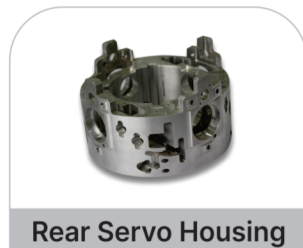


Test JIG

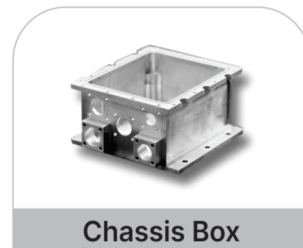
Machining



Seeker Housing



Rear Servo Housing



Chassis Box



Air Frame

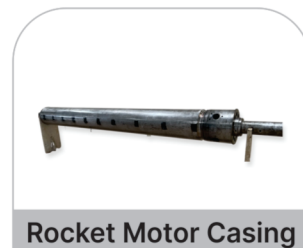
Mech Assy & Fabrication



Air Bottle



Slotted Wing Assembly



Rocket Motor Casing

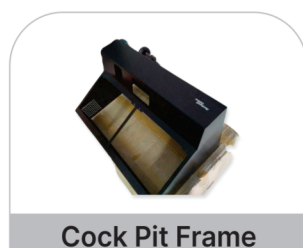


TVC

Sheet Metal



Engine Duct



Cock Pit Frame

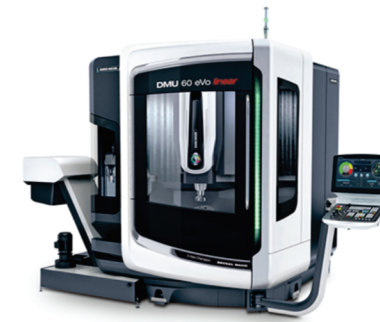


Electronic Chassis Frame



Air Frame

OUR MACHINERY



5 Axis CNC Milling	
Bed size (mm)	700*600*500
Max dia (mm)	400*400*500
Max weight (mm)	400 kg



Turnmill	
Max Swing Diameter (mm)	720
Max Turning Diameter & Chuck (mm)	630
Max Turning Diameter over carriage (mm)	500
Max Turning length (mm)	3000



HAAS VF2	
Bed size (mm)	700*400*500
Max dia (mm)	300*300
Max Job weight (kg)	1350



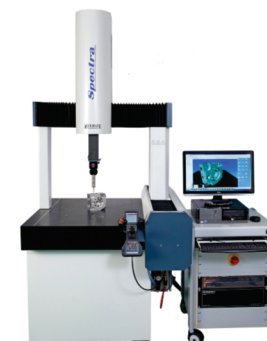
Laser Cutting Machine	
Laser Power	3000 W
Processing dimension (mm)	3070*1550*100
Max sheet dimension (mm)	3070*1550
Max Job weight	920 kg



Hydraulic Press	
Workable area (mm)	1200*1200
Mouth Opening (mm)	800
Press Tonnage (tonne)	400



4 Axis Filament Winding Machine	
length (mm)	5000
winding dia (mm)	Ø2000
Rotating weight (kg)	1500



CNC 3d CMM	
X (mm)	380
Y (mm)	550
Z (mm)	380
Software Name	Arco Cad



Autoclave	
Max dia	1500mm
Length	3200mm
Pressure	15 bar



Ultra Sonic Flaw Detector	
Angle Selection	0-90°
Job Thickness (mm)	5-1000



Plc Controlled Rotary Tig Welding



Quality: We strive to assure quality by embedding controls within our business management system for precision machined components, composites & assembly for aerospace, defense and industrial applications in accordance with AS9100D including ISO 9001:2015.

OUR CLIENTS



Rolls-Royce®



QUALITY. TECHNOLOGY. INNOVATION.



GE Aviation

Honeywell



HALLIBURTON



Collins Aerospace



COMPROTECH

AN ADANI & RAGHU VAMSI JOINT VENTURE

Comprotech Engineering Pvt. Ltd

SY No. 1/1 of Imarath Kancha, Plot No. 38/B, Hardware Park,
Maheswaram Mandal, Raviryala Village, Ranga Reddy, Telangana - 500005.
Mobile: +91-98662 25483, Email ID : vamsivikas@comprotechengineering.com
www.comprotechengineering.com