

Facilities Including details of Machinery & Plant

❖ Template Layout Area:

Description:

The Template Layout Area is used for marking, checking, and verifying dimensions of fabrication components before manufacturing. It ensures accuracy in layout preparation and compliance with approved fabrication drawings.



❖ Fabrication Shop-

Description:

The Fabrication Shop is the primary production area where cutting, drilling, welding, assembly, and fit-up activities are carried out. The shop is equipped with modern machinery to ensure precision and productivity.



CUTTING

CNC Plasma Cutting Machine

- **Description:**

The CNC Plasma Cutting Machine is used for high-precision cutting of steel plates and components as per approved drawings. It provides accurate profiles, reduces material wastage, and improves production efficiency.



CNC Oxyfuel Cutting Machine

Description:

The CNC Oxyfuel Cutting Machine is used for cutting thick steel plates with high dimensional accuracy. It is suitable for heavy structural and bridge fabrication applications.



CNC Drilling Machine

Description:

The CNC Drilling Machine is used for accurate drilling of bolt holes in steel members and plates. The machine ensures precise hole location, diameter, and spacing as per fabrication requirements.



Welding

Semi-Automatic SAW Welding Machine

Description:

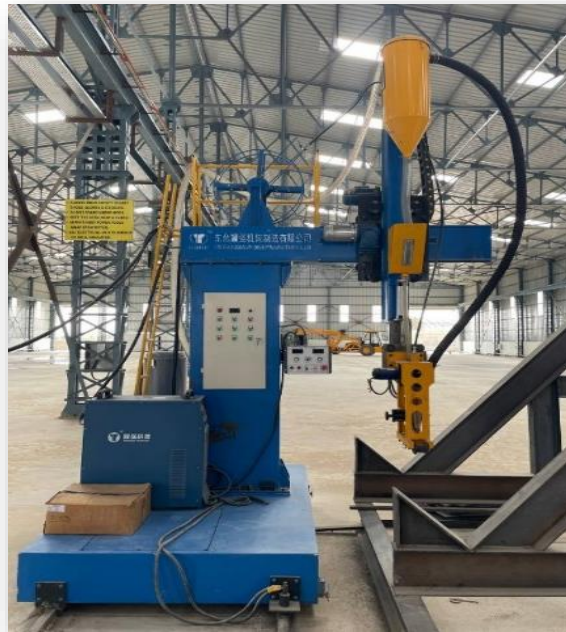
The Semi-Automatic Submerged Arc Welding (SAW) Machine is used for producing high-quality welds in structural steel components. It provides deep penetration, consistent weld quality, and high productivity.



Automatic Beam Welding Machine

- **Description:**

The Automatic Beam Welding Machine is designed for welding built-up sections and girders. The machine ensures uniform weld quality, improved productivity, and reduced manual intervention.



GMAW Welding

- **Description:**

The Gas Metal Arc Welding (GMAW) process is used for fabrication and assembly welding operations. It provides high welding speed, excellent weld quality, and versatility for various steel components.



Stud Welding Machine

- **Description:**

The Stud Welding Machine is used for welding shear connectors and studs onto steel members. It ensures strong bonding and efficient installation of studs in composite structures.



Straightening Machine

- **Description:**

The Straightening Machine is used to correct distortion and alignment deviations in fabricated steel members. It helps maintain dimensional accuracy and quality standards.



End Milling Machine

- **Description:**
The End Milling Machine is used for machining and finishing the ends of fabricated members. It provides smooth surfaces and precise fit-up for assembly operations.



Blasting Shop

- **Description:**

The Blasting Shop is used for surface preparation of steel components by removing rust, mill scale, and contaminants. The process improves surface cleanliness and coating adhesion.



Metallizing & Painting Shop

- **Description:**

The Metallizing and Painting Shop is used for the application of protective coatings on fabricated steel structures. It enhances corrosion resistance and increases the service life of steel components.



Assembly Area

- **Description:**

The Assembly Area is used for fit-up and trial assembly of fabricated members before dispatch. It ensures proper alignment, dimensional accuracy, and conformity with approved drawings.



Stacking Area

- **Description:**

The Stacking Area is designated for organized storage of raw materials, semi-finished products, and finished components. Proper stacking practices ensure traceability and prevent material damage.

