



# Contract Manufacturing

Precision Sheet Metal  
Fabrication Services

Company Profile

## **ABOUT FABTECH INDIA**

Fabtech India is the consolidated business of SilverTechno Pvt. Ltd. and Furnisys. While SilverTechno specialized in sheet metal Product manufacturing, Furnisys focuses on functional furniture systems.

Together, we offer precision-engineered metal furniture, blending expertise in manufacturing with innovative, high-quality product systems.





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# Our Value chain

## **Manufacturing**

Lean, Processing

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## **Engineering Design**

Individual Engineering, PDM, DFM

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## **Project Operations**

Consistency, Time-Sensitive

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## **Product Management**

PLM, Value Engineering

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## **Sales & Marketing**

Customer Success , Engagement



## Precision Engineering

Excellence in high-accuracy sheet metal fabrication and product quality.



## Lean Manufacturing

Streamlined processes ensuring efficiency, minimal waste, and cost optimization.



## Scalable Production

Flexibility to manage small, mid, and large-scale manufacturing volumes seamlessly.



## Advanced Machinery

Equipped with CNC bending, turret punching, and autoreciprocator-based powder coating systems for superior finishing.



## End-to-End Solutions

Comprehensive manufacturing services from fabrication to finishing and assembly.



## Consistent Quality

Rigorously tested products meeting industry benchmarks and global standards.



## Timely Delivery

Reliable production schedules ensuring on-time delivery commitments.



## Trusted Partnerships

Long-standing relationships with industry leaders through dependable service.



EAG TECH INDIA

# **CAPABILITIES**

# PUNCHING



## EQUIPMENT:

TURRET PUNCHING

## Overview

The turret equipment, driven by advanced CNC technology, sets a benchmark in precision sheet metal fabrication. With its multi-station turret design, it effortlessly transitions between tools, enabling the creation of intricate hole patterns, notches, and complex geometries in a single, streamlined operation. This powerhouse of efficiency minimizes material waste, accelerates production cycles, and delivers flawless, high-quality results, making it an indispensable asset for crafting innovative and precise sheet metal components.

## Capabilities

Punching Force:

Equipped with a 200 kN punching force, the E5 efficiently handles sheet metal of varying thicknesses, ensuring clean cuts and minimal burrs.

Material Compatibility:

Capable of processing materials like mild steel, stainless steel, aluminum, and coated sheets.

Versatility in Operations:

Supports multiple operations such as:

- Perforation
- Embossing
- Forming
- Part marking
- Louvers and bridge extrusions

## Technical Specifications

Punching Force- 200 kN

Max Sheet Thickness- Up to 6 mm

Max Sheet Size (with repositioning)- 2500 x 1250 mm

Accuracy-  $\pm 0.1$  mm

Turret Capacity- Up to 32 stations

Punching Speed- 600 hits/min (on 1 mm pitch)

Controller- CNC with user-friendly interface

Automation Features- Sheet loading/unloading and repositioning

# BENDING



## EQUIPMENT:

CNC PRESSBRAKE PBB-80/2550 - 1 Nos.

HINDUSTAN HYDRAULIC -EHP 25 SERVO HYBRID - 2 Nos

ACCURPRESS- PRESSBRAKE(BENDING M/C)-CAPACITY-100 TON  
- 2 Nos

POWER PRESS- 50 TON - 1 NOS

# WELDING



## EQUIPMENT:

SPOT WELDING- CAPACITY- 6MM , 40KAMP - 3 Nos

CO2 WELDING - 7 NOS.

ARC WELDING - 2 Nos

# POWDER COATING



## **Powder Coating Plant Overview**

The Powder Coating Plant provides an advanced solution for coating sheet metal components with high efficiency and precision. It includes a reciprocating powder coating booth, overhead conveyor system, and LPG-fired curing oven, ensuring a seamless and efficient coating process for a wide range of sheet metal components.

## Key Features

### 1. Conveyor System

- Overhead Chain Link Conveyor with bi-planar design, supporting a speed of 1.5 m/min (variable).
- The conveyor facilitates the movement of sheet metal components up to 1200 x 600 x 2150 mm and 25-30 kg.

### 2. Powder Coating Booth

- Auto/Manual Back-to-Back Booth: Components are automatically coated with precision through reciprocator-mounted powder applicators or manually, depending on the requirements.
- The booth includes a mono-cyclone powder recovery system for 100% recovery of oversprayed powder, minimizing waste and ensuring an environmentally friendly operation.
- The booth chamber is constructed from 18-gauge CRCA sheets with an M.S. support structure, ensuring durability and ease of cleaning.
- Pulse jet filters help maintain a clean working environment by capturing airborne powder particles.

### 3. Curing Oven

- Ground-mounted U-loop oven, where the components move continuously through the heating zone.
- Curing temperature is maintained at 200-220°C for 18 minutes to ensure consistent, durable coating.
- LPG-fired heat source is used for optimal energy efficiency.
- The oven's stainless steel heat exchanger and advanced insulation (150 mm resin-bonded) ensure minimal energy loss, efficient heat distribution, and reduced fuel consumption.

# ASSEMBLY & PACKAGING





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