

Magod Laser Machining Pvt. Ltd.

2D



3D



Tube & Pipe



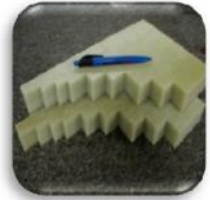
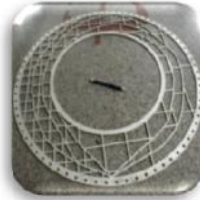
Laser Cutting

- * Tolerance: +/-0.1mm
- * Metal & Non metal cutting
- * Thickness: up to 25 mm
- * Bed Size:
4000x2000mm – 2D
3000x1000x500 – 3D
20mm to 400 mm Diameter

* Materials: Metals & Non metals

Water Jet Cutting

- * Tolerance: 0.1-0.5mm depending on part & material
- * No HAZ (Cold Cutting)
- * Complex cutting on thick plates
- * Cutting of heat sensitive materials
- * Thickness: up to 100 mm
- * Bed Size: 2500x1500mm



* Materials: SS, Aluminum, Inconel, Glass, Rubber, Composites

Laser Welding

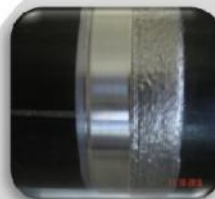


- * Welding of similar as well as dissimilar materials
- * Weld depth up to 8mm
- * Laser Types: CO₂, Nd-YAG
- * Hermetically sealed joints
- * Bed Size: 4000x1500x500mm

* Materials: SS, MS, alloy steel, copper alloys, Nickel alloys

Laser Cladding

- * Optimal part designs by dissimilar metal deposition
- * True Metallurgical Bond
- * Ideal for product development, value addition, repair & restoration
- * Minimum post processing
- * Bed Size: 4000x1500x500mm



* Materials: steels, Ni, Co, Cu, Ti alloys, cermets

Magod Laser Machining Pvt. Ltd.

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Laser Drilling / Fine Laser Cutting



- * Minimum hole size: 0.08 mm
- * Tolerance: 0.05 mm
- * Metal & Non metal cutting
- * Bed Size: 1000 x 500 mm
- * Materials: Metals & Non metals
- * Part Thickness: from 0.1 mm

Fabrication With Lasers



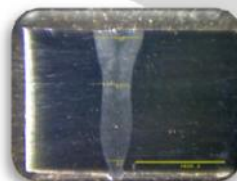
- * Processes:
 - Laser Plate Cutting
 - Laser Tube Cutting
 - Laser Spot ,Seam Welding
 - Laser Cladding
 - Laser Drilling
 - Conventional Bending

- * High Power Industrial Lasers : 12
- * Lasers: CO₂, Nd-YAG
- * Delivery: Direct/ Fiber / Scanner
- * Part thickness: 0.1 – 100mm
- * Part Size: up to 4m x 2m x 0.75m
- * Bend Press 120 MT (2)
- * CAD/CAM, ERP Systems

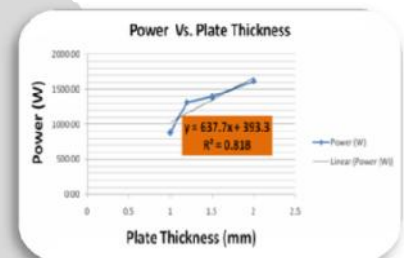


Application Development & Consultancy

- * Metallurgical Sample Preparation machines
- * Inverted microscope: Mag up to 1000X
- * Material Plus Image Analysis software



- * Feasibility Study & Consultancy
- * Recommendations for scaling, extrapolation & suitable equipment



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