

BARND –SMART WELD MOLD REPAIRING LASER WELDING MACHINE

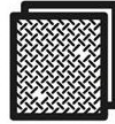




AUTOMOTIVE



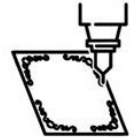
AEROSPACES



SHEET METAL



JEWELLERY



LEATHER



TEXTILE
PROCESSING



MECHANICAL



DIE MOULD



SIGNAGE



PAPER

EXPERTISE IN KEY INDUSTRIES



6 GLOBAL
PARTNERS



24*7
SERVICE SUPPORT



750+ HAPPY
CUSTOMERS



60+
HIGHLY QUALIFIED
EMPLOYEES



20+ STATIONED
SERVICE ENGINEERS



LESS THAN 2 HOURS
RESPONSE TIME



60 % REPEAT
ORDERS



SPARE PARTS
SUPPORT

OUR PARTNERS

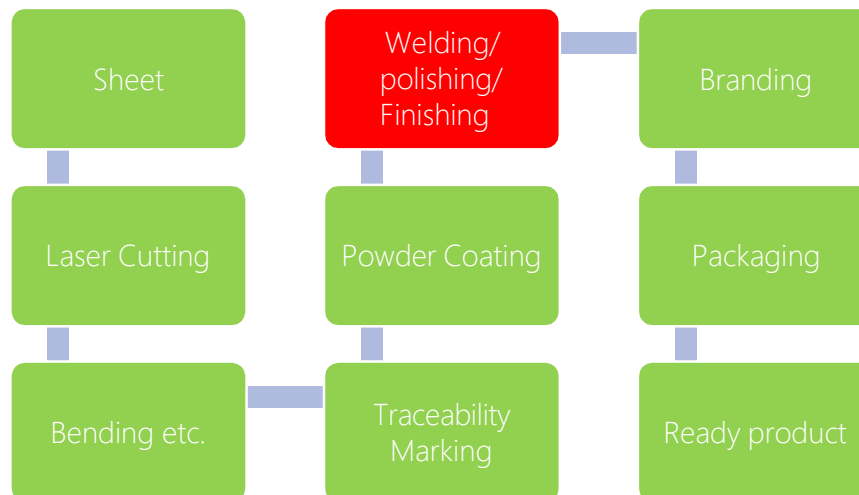


SMART-WELD

Recent time is witnessing lots of changing in manufacturing technology, with laser cutting induction the productivity has gone up and companies enjoying less cutting cost with fiber laser. The manufacturing still needs lots of improvement to make quality better, in less time with minimum labour hours.

So, what's the Bottle Neck??

Thin sheet manufacturing is used in a plethora of industries from kitchenware to furniture and from metro coaches to storage racks etc. Here are the various processing stages:



To make process faster and productive must identify the bottleneck and for thin sheet metal fabricators always struggling with the welding, they have Laser -smooth cutting, fast but the welding conventional TIG or WIG.

Laser is the answers to all problems with Conventional Welding for Thin sheets??

The advantage of Laser Welding:

- Cost effective
- Fast
- Non-contact repair methods
- Significantly less rework
- Very low heat impact – minimum distortion
- Very less structural changes in the base material

Mode	Product	
SW-W400IV (400W)	Crane type Laser Mould Repair System with YAG Laser and Cantilever Movement.	
	Cooling System(Chiller)	
Configuration:		
	Brand: Smart Weld	
1	Laser power : 400W	
2	Max Energy per Pulse: 120J	
3	Laser Wavelength: 1064nm	
4	Laser Welding Depth: 0.1 to 1.6mm	
5	Pulse Width: 0.5-20ms	
6	Continuous Welding Frequency: .5–100Hz	
7	Spot Size Range: 0.2–2.0 mm	
8	Cooling water flow: 10L/min	
9	Power Consumption: ≤12KW	
10	Electrical Connection: 380V/50Hz-60Hz/40A (3 Phase)	
11	Max. height: 165cm	
12	Travel of cantilever (LxWxH) : 100mmx 100mmx 900mm	
13	Load-bearing of worktable: less than 150KG	
14	Focal distance: 90mm/120mm optional	
15	Diameter of welding wire: 0.1mm-0.8mm	
16	Weight: 400kg	
17	Hazard Class: Class 4	

- Other accessories require for smooth operations of system in scope of end user
- DM water – 25L
- Argon Regulator with flow meter
- SEROVO Stabilizer – 25KVA
- Laser Wires – you have to tell us the sizes.
- Argon Gas – on end user scope
- Laser Fume Extraction – (Optional).

