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Andhra Pradesh, INDIA
www.geometrixlaser.in

Geometrix pioneered commercial laser cladding services in India and is the only dedicated player in this niche segment of surface coating in this country. An ISO certified company and innovation driven culture nurtured and staffed by graduates from globally renowned institutions.

Partnership with Academic & Research Institutes for fostering innovation and proven experience in commercializing Laser Cladding Process.

Laser Cladding is a process in which a laser beam is used to melt the deposition material on another material which leads to a real metallurgical bonding between the deposit and the base material and improves the wear and corrosion resistance.

Laser Welding is a non contact fusion welding process of joining of two or more similar or dissimilar metals by the application of heat generated by a fine focused spot of laser beam.

Laser Cladding – Advantages

- High Hardness Rates
- Low Dilution (less than 5%)
- Significantly Improved Life Cycle
- Minimal HAZ
- Negligible distortion
- No porosity
- Faster Processing Cycle Times
- Highly Stable & Repeatable Process
- Better Thickness Control
- Reduction in post machining

Laser Welding – Advantages

- Distortion Free
- Very good joint strength
- Very small HAZ
- In most cases, filler material not required
- Aesthetic Welds

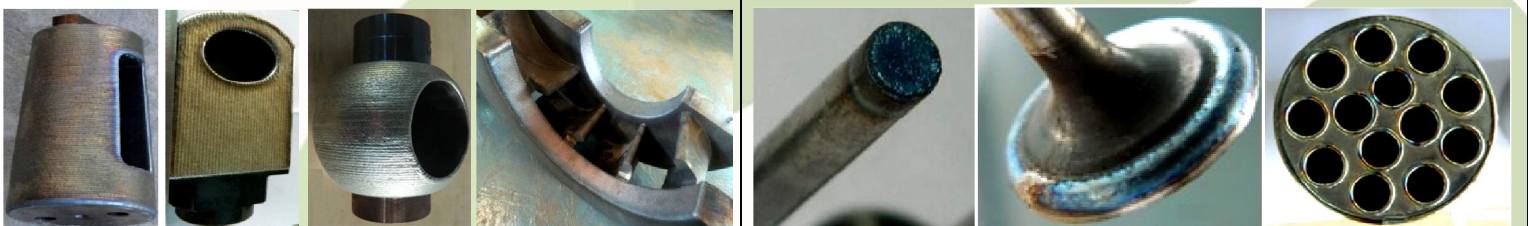
Our Services:

- ✓ Laser Cladding
- ✓ Laser Welding
- ✓ Reclamation for worn-out parts
- ✓ Laser Hardening

Industries Served:

- ❖ Valves & Pumps
- ❖ Energy - Power, Oil & Gas
- ❖ Automotive
- ❖ Defence/ Aerospace
- ❖ Mining

Applications:



Valves & Pumps

Automotive – Cladding & Welding



Energy – Power, Oil & Gas

Laser Welding

Reclamation