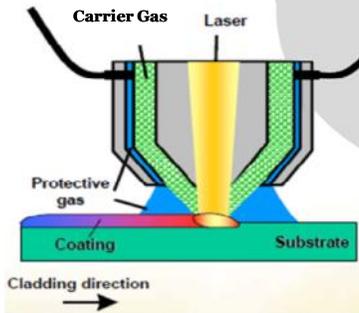


# Laser

# Cladding

Process of building parts layer by layer using gas atomized metal powder under high power lasers



## Characteristics ...

- True Metallurgical bond
- Low & directed heat input by lasers
- Less distortion and smaller HAZ
- Automated process control
- Minimum Post Processing
- Same or superior material properties

## Applications ...

- Optimal part designs by dissimilar metal deposition
- Ideal for product development, value addition, repair & restoration
- Material research & development
- Wide range of metals & alloys

## From Powder to Part ...



## Industrial Applications...

Wear Resistance Improvement



Oil & Gas

MRO & Capacity Improvement



Energy

Repair & Reconfiguration



Aerospace/ Defense

Thermal Management



Tool & Die

Custom Parts



Medical

## Our Capabilities...



- Laser Sources: CO<sub>2</sub>, Nd-YAG
- 5 Axis Motion system with independent rotary axis
- Work Envelop: 4m x 1.5m x 0.5m
- Flying Optics: Part weight doesn't matter
- Co-axial Nozzle: Omni axis Deposition
- Team of Experienced and skilled people
- Metallurgical lab for in house analysis

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