

DIRECTED ENERGY DEPOSITION

Processes:

*Laser based Powder Deposition
High Speed Laser Cladding*

Available machines:

*CNC based Open Chamber DED Machine
Robotic Open Chamber DED Machine*

CNC BASED OPEN CHAMBER MACHINE

Suitable for:

Low deposition, fine feature buildup and repair. Ultra thin laser cladding deposits using High speed laser cladding process.

Typical Applications:

Tensile Testing coupons, R&D, Spindle shaft repair, Automotive reman part repair

Maximum size of parts:

18" X 12" x 10"



ROBOTIC OPEN CHAMBER MACHINE

Suitable for:

High deposition, buildup and repair of complex profiles

Typical Applications:

Large area buildups, hydraulic shaft repair, wear and corrosion resistant coatings, oil and gas hardfacing

Maximum size of parts:

8 ft x 8ft x 8ft

Shafts up to 60" OD x 15 ft long

