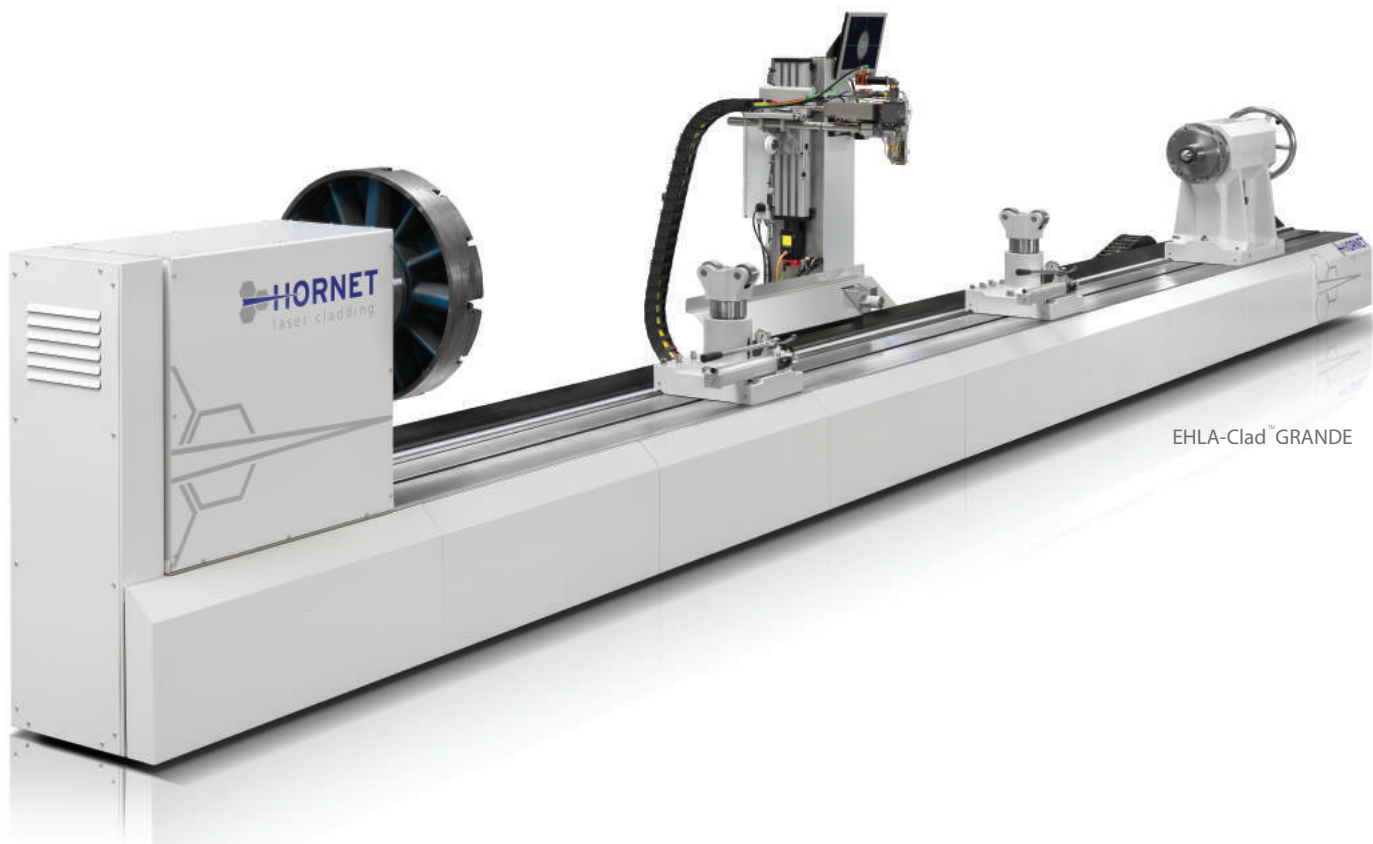




Hydraulic Rods

EHLA-Clad™

Highly stressed machine components such as Hydraulic Cylinders have so far been protected against wear and corrosion by hard chrome plate and thermal spray. Major deficiencies in these processes, such as low adhesion, moderate corrosion protection, use of harmful chemicals and high processing costs make Extreme High Speed Laser Cladding (EHLA) a superior and environmentally friendly alternative.

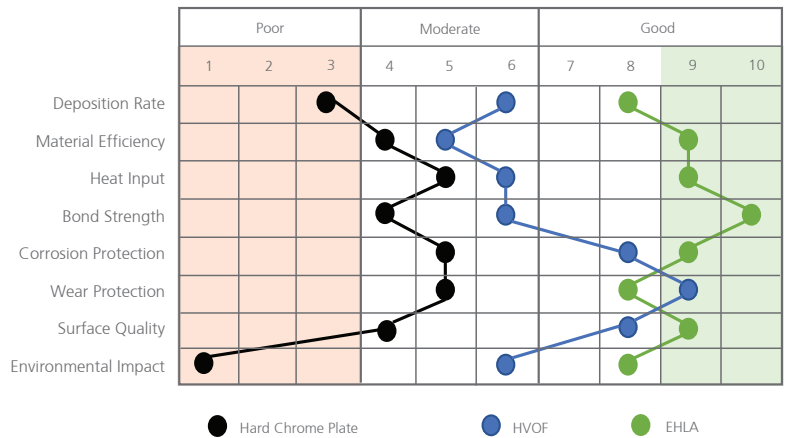


EHLA-Clad™ GRANDE



EHLA-Clad™

Hornet Laser Cladding EHLA-Clad™ series machines are designed to meet the demanding requirements for processing speed, ease of use, ease of maintenance, reliability and efficiency expected in the Hydraulics market. Integrated with 3-axis CNC control they are further customisable with an addition of closed loop process control and internal cladding attachment. All systems are supplied complete with Laser Safety enclosure.



Advantages of EHLA

- Superior Corrosion Protection
- Low Heat Input & Distortion
- Low Material Dilution (<1%)
- Can process hard- to- weld alloys
- Suitable for coating, repair and AM
- No pre-treatment of surface required
- Reduction in processing times
- Increased accuracy due to reduced layer thickness
- High Material Utilisation (up to 90%)
- Abandonment of Chrome VI usage

	EHLA - Clad™ PRO	EHLA - Clad™ GRANDE
Max Load	3000 kg	18000 kg*
Ø Max	1000 mm	1000 mm
Working Range	0 - 3700 mm	0 - 9000 mm
Laser Power	3 kw	3 kw
Control	CNC	CNC
Cladding Speed	0.6 - 1.6 m ² / h**	0.6 - 1.6 m ² / h**

*with optional heavy package **50 um layer thickness

