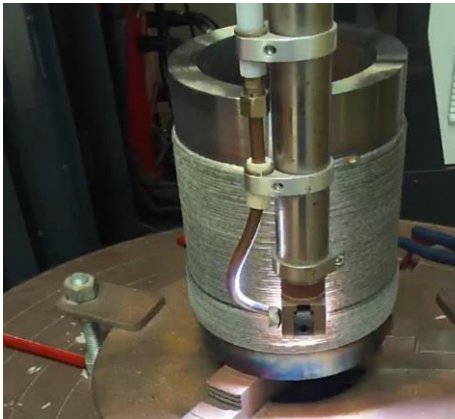




Corrosion and Wear Resistant Cladding Solution

Hot Wire GTAW Cladding Cell

- ▶ **Automated:** The Fronius FPA 9000 is an automated cladding cell which excels at cladding pipe and discs
- ▶ **Turntable:** The fully integrated turntable has a dimensional capacity of 1m in diameter and a load capacity of 1500 kg
- ▶ **Control:** Specialized programs can be tailored to the needs of a specific project by adjusting more than 30 parameters ranging from current and voltage to pulsing and end crater control and elimination.



Corrosion Resistant Cladding

- ▶ Typical Cladding materials such as Stainless steel 316 and Inconel 625 can easily be cladded onto any carbon or stainless steel substrate.
- ▶ Dilution control has been optimized so that less than 5% Fe is present in the 2nd layer of Inconel 625 Cladding of carbon steel.
- ▶ Welding positions allow for the cladding of both the inside and outside of pipe.
- ▶ Bore to bore cladding is possible.
- ▶ Inconel 625 cladding PQR is ASME IX & NACE MR 0175 compliant as well as DNV certified.

Wear Resistant Hardfacing

- ▶ Stellite cladding on new parts or refurbishment of service exposed parts is possible.
- ▶ Less than 5% Fe dilution is possible with as little as 2 layers of hardfacing using Stellite 6 on carbon steel.
- ▶ Welding is defect free, fast and is characterized by high levels or repeatability.
- ▶ Conforms to ASME IX and certified by DNV.



For more information please info@3cmetalme.com or visit www.3cmetal.com