

# Hot Wire -TIG Valves Cladding system V3

**Innovative and efficient: HW-GTAW – System V3**

In addition, the HW-GTAW system V3 complies with the features of the „conventional“ TIG Hot Wire Cladding System as regards weld quality, functionality and software features (e.g. „Bore-to-Bore“-Function).

System features a long slide that bears the inside cladding torch. This slide is used for adjusting the required bore diameter (up to 300 mm), however, during welding it also performs the function of the Arc Voltage Control (AVC). The entire system is mounted on an WCS cross-slide.

## Plant configuration:

- System-controller VT 9000 (12" touch screen ) with TFT-display
- Remote control VT 9000-RC
- TIG-power source 500 A with cooling unit
- TIG-hotwire power source 150 A
- Column & boom WCB 3000-3000 (max. load 560 kg)
- Turn-table WTT-6 with Valve tilting device.
- Cross slide system WCS 1000-300 (max. load 100 kg)
- Integrated wire feeder and motorized slide (WCS) with AVC-function
- Cladding-torch with integrated wire feed guide
- Welding-data documentation

## Technical data

Weld process	TIG hotwire
Max. bore depth working length	up to 1000 mm
Weldable bore diameter	45 – 320 mm
Welding speed	~ 35-45 cm/min
Deposition rate	~ 1,7-2,5 kg/hour



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