



Kjellberg[®]
FINSTERWALDE

Compact Welding Inverter PSI 350 plus for Plasma Powder Surfacing



The plasma transferred arc welding (PTA) was developed for complex protection purposes and has proven its worth in the industry by producing protective layers of high quality. Single layers of up to 3 mm thickness already guarantee good wear and corrosion protection. For such applications, Kjellberg Finsterwalde offers the PSI 350 plus which is a flexible high-quality system.

The PSI 350 plus is ideally suitable for PTA welding applications like automated armouring of valves in the automotive industry or the maintenance of tools like conveyor screws and rollers which are exposed to high wear.

The process can be easily automated due to the integrated SPS. Manipulators, support devices and height sensor can be easily integrated into existing control techniques.

Advantages of the PSI 350 system

- Convenient operating by pre-defined welding programmes
- Indefinite adjustment of welding parameters and visual process monitoring
- Fully electronic gas control
- Compact design with integrated cooling unit
- Saving time and money by high welding speed
- Low heat influence on the base material and little component distortion
- Low dilution rate
- Low powder losses
- Little mechanical follow-up work required due to even bead thickness
- Powder-dependant surfacing performance between 1 and 8 kg per hour

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