

COMPONENTS FOR POWER PLANTS

- / Multiprocess welding system
- / MIG-MAG/CMT/TIG coldwire/plasma
- / Power generation



OVERVIEW

/ High-flexible system for circular and longitudinal welding of high alloyed components for power plants. Depending on the application, 4 different welding processes can be selected, as a result a variety of use is covered.

FEATURES

- / System with 4 welding processes (plasma, TIG, MIG-MAG, CMT)
- / Weld head TIG with automatic centering – touch & retract function and AVC for torch positioning before and while welding
- / Both weld heads are equipped with motorized slides incl. motorized carriage for positioning and longitudinal welding
- / Tilting turntable and tailstock – equipped with hollow shaft and gripper chuck
- / Precise path measurement and speed regulation of the rotation-motor via SPS bus controller
- / SPS controller with digital gateways to the power sources allows on-site programming of all axis and welding parameters with remote control
- / Printing programs via built-in printer
- / Backup via compact-flash card
- / Gas mixer with integrated tank 20 l (5.28 gal)



/ Remote control with display

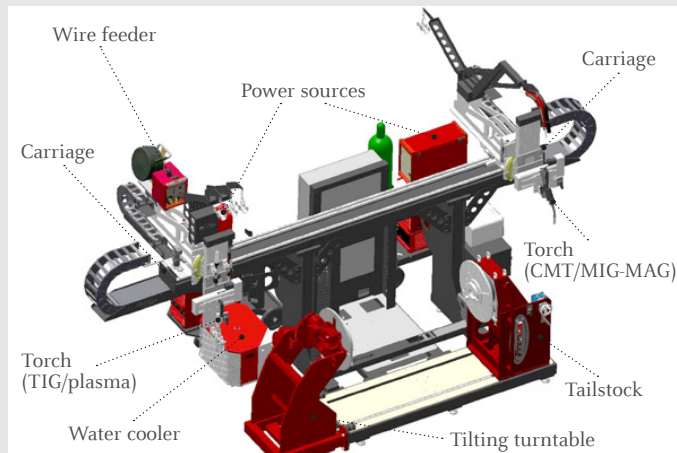


/ Exchangeable torches

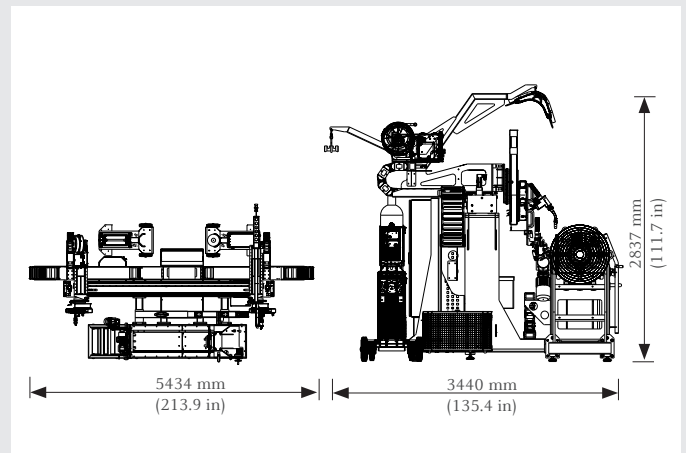


/ Tilting turntable and tailstock with hollow shaft

SYSTEM COMPONENTS



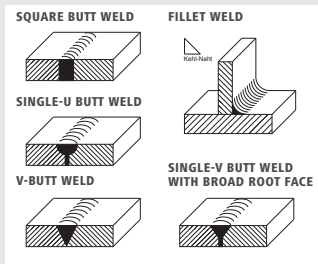
LAYOUT



APPLICATION



WORK PIECE	
Work piece description	Components for power plants
Material	CrNi-steel, special material
Material thickness	0,4 - 6 mm (0.016 - 0.24 in)
Work piece length	max. 1000 mm (39.4 in)
Outer diameter	4 - 300 mm (0.16 - 11.8 in)
Gap	max. 2 mm (0.08 in)
Weight	max. 150 kg (330.7 lb)
Arrangements by customer	Cleaned, tack welded, machined, clamped, trailing gas protection



WELDING PROCESS	
Welding process	MIG/MAG/CMT/TIG coldwire/plasma
Welding position	PA, PB
Welding speed	TIG 10 - 70 cm/min (3.9 - 27.6 in/min) MIG-MAG/CMT 20 - 80 cm/min (7.9 - 31.5 in/min) Plasma 10 - 25 cm/min (3.9 - 9.8 in/min)
Layers	1 - 5
Filler material	Diverse
Gas	Argon
Wire diameter	0,8 - 1,2 mm (0.031 - 0.047 in)
Joint design	Square butt weld, V-butt weld, Single-V butt weld with broad root face, Single-U butt weld, Fillet weld

/ Battery Charging Systems / Welding Technology / Solar Electronics

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