

activArc



- Water-cooled AC/DC TIG inverter welding machine with one-knob Synergic operation
- Features user database for Synergic operation at no extra charge
- Simple, menu-guided selection of welding tasks from user database
- 256 pre-programmed JOBS/characteristics in the user database
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- Synergic or manual welding operation
- Special AC welding procedure to join markedly different aluminium plates together, e.g. welding 1-mm-sheet to a 10-mm-plate
- Adjustable AC waveform, sine, trapezoidal, square current
- Adjustable AC frequency between 50 Hz and 200 Hz
- Adjustable AC balance
- TIG welding with reproducible, electronic HF start
- Safe ignition also for long hose packages
- TIG lift arc welding without HF
- TIG automated pulsing with automatic specification of required pulse parameters
- Pulsed TIG welding in Hz and kHz range up to 15 kHz
- Non-latched/latched operation
- Reduced secondary current accessible using torch trigger
- Adjustable up-slope/down-slope
- Spot welding/tacking function
- Spotmatic – halves time required for tacking
- Adjustable gas pre-flows/post-flows
- MMA-Welding/gouging
- MMA/gouging, automated pulsing with automatic specification of required pulse parameters
- Ideal for root welding
- Safe, reliable vertical-up and vertical-down welding
- Adjustable hot start current and hot start time
- Adjustable Arcforce
- Antistick function
- Large power reserves thanks to high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 12-litre water tank
- Energy-saving thanks to high efficiency and standby function
- Mains connection: 3 x 400 V; other mains voltages and multivolt as an option
- High mains voltage tolerances +20%/-25% and therefore fully generator-compatible
- Connection capability for remote control and function torch
- Crane-liftable casing
- Can be optionally networked with LAN or WiFi and EWM Xnet software

Tetrix 551 AC/DC Synergic FW				
	TIG		MMA	
Setting range for welding current	5 A - 550 A		5 A - 550 A	
Duty cycle at ambient t.e	25 °C	40 °C	25 °C	40 °C
60 %	550 A	550 A	550 A	550 A
80 %	520 A	–	520 A	–
100 %	450 A	420 A	450 A	420 A
Open circuit voltage	80 V , 79 V			
Mains frequency	50 Hz / 60 Hz			
Mains fuses (slow-blow)	3 x 32 A			
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)			
Max. connected load	22.2 kVA		29.2 kVA	
Recommended generator power	39.4 kVA			
cos phi	0.99			
Efficiency	85 %			
Dimensions machine, LxWxH in mm	1080 x 690 x 1195			
Weight, machine	181.5 kg			
Protection classification	IP 23			
Insulation class	H			

Torch connection

Decentral

Standards

IEC 60 974-1; -3; -10 / CE / S-Safety sign / EMC class A