

## Picomig 355 Synergic TKM

090-005512-00502



- Multiprocess inverter welding machine with easy Synergic one-knob operation and integrated wire feed mechanism
- **Welding procedures and functions**
- GMAW standard welding
- EWM forceArc characteristics for unalloyed steel
- EWM rootArc characteristics for unalloyed steel
- Synergic characteristics for steel, CrNi and aluminium
- MMA welding and TIG lift arc welding
- Perfect for welding self-shielding flux cored wires
- Infinitely adjustable arc dynamics (choke effect)
- Non-latched/latched operation
- Interval welding
- Adjustable gas pre- and post-flow time
- **Your benefits**
- Gas cooled or optionally water cooled with cool 50 U40 cooling unit
- Saves power through highly efficient performance
- Robust casing suitable for construction site use
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped with 1.0–1.2 mm UNI rolls for low to high-alloy steel
- Wire spool diameter up to 300 mm/D300, 200 mm/D200 possible with adapter
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- IP23 spray water protected
- Connection capability for remote control, function torch and cooling unit
- 5 m mains supply lead
- Free WPQR package for certification up to and including EXC2 in accordance with EN 1090 and for welding of unalloyed steels up to and including S355

	MIG/MAG	MMA	TIG
Setting range for welding current	5 A - 350 A		
Duty cycle at ambient t.e	40 °C		
40 %	350 A		
60 %	300 A		
100 %	270 A		
Open circuit voltage	79 V		
Mains frequency	50 Hz / 60 Hz		
Mains fuses (slow-blow)	3 x 16 A		
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)		
Max. connected load	13.9 kVA	15 kVA	10.6 kVA
Recommended generator power	18.8 kVA	20.3 kVA	14 kVA
cos φ	0.99		
Efficiency	88 %		
Drive rolls	4		
Wire feed speed	Wire speed m/min, 0.5 m/min - 25 m/min		
	Wire speed ipm, 19.68 ipm - 944.88 ipm		
Dimensions machine, LxWxH in mm	636 x 298 x 482		
Weight, machine	34.4 kg		
EMC class	A		
Insulation class	H		

Protection class	IP23
Approvals	S sign , CE sign , EAC sign
Torch connection	Euro torch connector
Standards	IEC 60974-1, -5 and -10 CL.A