



NIMAK submerged arc machines:

Submerged arc current sources with AC or DC technology

Submerged arc machines

... for submerged arc welding, for MIG/MAG automated welding, band plating and gouging.

new:
12 pulse technique*

- higher flexibility due to reversible characteristic: constant voltage or constant current
- unchanging high and constant welding quality due to mains voltage compensation
- high power reserves e.g. for multiple wire applications
- direct SPS connection by isolated current/ voltage measurement
- all well-established bus modules like profinet, profibus or interbus optionally selectable

NIMAK submerged arc welding machines:

Power output at the highest stage



AC-Technology

Due to square-wave current

(TT 1000 - TT 1200):

- optimal ignition behavior
- high arc stability
- optimized for multiple wire welds (max. 5 wires)

DC-Technology (with "12 pulse technique")

Due to mid frequency technology

(GT 800 - GT 2000):

- minimized current ripple for root welding and deposit welding
- for single and multiple wire welds (max. 5 wires)
- extra energy-efficient operation

Technical data	GT 800	GT 1000	GT 1010	GT 1200	GT 1500	GT 2000	TT 1000	TT 1000-S	TT 1200
Mains voltage	3x 400 V	3x 400 V	3x 400 V	3x 400 V	3x 400 V	3x 400 V	2x 400 V	2x 400 V	2x 400 V
Rating	50 kVA	70 kVA	60 kVA	104 kVA	120 kVA	150 kVA	72 kVA	60 kVA	90 kVA
Welding current 100%	800 A	1000 A	1000 A	1200 A	1500 A	2000 A	1000 A	1000 A	1200 A
Open-circuit voltage	44 V / 80 V	44 V / 80 V	60 V	44 V / 80 V	44 V / 80 V	44 V / 80 V	80 V	60 V	80 V
Degree of protection	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22
Weight	430 kg	570 kg	530 kg	920 kg	1100 kg	1700 kg	780 kg	950 kg	860 kg
Dimensions	700 x 800 x 1200 mm	700 x 800 x 1200 mm	700 x 800 x 1200 mm	1000 x 800 x 1560 mm	1000 x 800 x 1560 mm	1300 x 800 x 1560 mm	770 x 810 x 1560 mm	1300 x 810 x 1560 mm	770 x 810 x 1560 mm



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