

Automatic Grating Welding Machine

Technical specifications

Water-cooled grating welding system with automatic frame feeding, available in 540, 720 and 1050 kVA configurations at 50% duty cycle. Capacity is 35 gratings/hour with manual loading and 65 gratings/hour with robotic loading. Frame flat-bar feeding with automatic size adjustment and robotic product feeding are optional. Images show the robotic configuration.

Product features

- Automatic frame feeding - Included
- Number of pistons - 6 / 8 / 10
- Grating length - 1030 / 1330 / 1630 mm
- Capacity (manual grating loading) - 35 gratings/hour
- Capacity (robotic grating loading) - 65 gratings/hour

Optional equipment

- Automatic frame flat-bar feeding (including automatic size adjustment) - Optional
- Robotic product feeding - Optional

540 kVA / 720 kVA / 1050 kVA

Values vary by model and application.



Product image

Automatic Grating Welding Machine

Technical specifications

Technical specifications	540 kVA	720 kVA	1050 kVA
Rated power (50% duty cycle)	540 kVA	720 kVA	1050 kVA
Secondary voltage	10 V	10 V	11,5 V
Number of pistons	6	8	10
Grating frame thickness	2 - 4 mm	2 - 4 mm	2 - 4 mm
Grating frame height	20 / 50 mm	20 / 50 mm	20 / 50 mm
Grating length	1030 mm	1330 mm	1630 mm
Automatic frame feeding	Included	Included	Included
Automatic frame flat-bar feeding (including automatic size adjustment)	Optional	Optional	Optional
Robotic product feeding	Optional	Optional	Optional
Welding jaw stroke	20 mm	20 mm	20 mm
Air pressure	2 / 8 bar	2 / 8 bar	2 / 8 bar
Total upper pressing force	11000 daN	14500 daN	18000 daN
Cooling water inlet temperature	20 °C	20 °C	20 °C
Cooling water inlet flow (min.)	28 l/min	34 l/min	40 l/min
Transformer cooling type	Water	Water	Water
Capacity (manual grating loading)	35 gratings/hour	35 gratings/hour	35 gratings/hour
Capacity (robotic grating loading)	65 gratings/hour	65 gratings/hour	65 gratings/hour
Weight	7100 kg	7900 kg	8850 kg
Dimensions (W × L × H)	4250 × 4600 × 2200 mm	4250 × 4900 × 2200 mm	4250 × 5400 × 2200 mm
Machine supply voltage	400 V · 50/60 Hz · 3 phases	400 V · 50/60 Hz · 3 phases	400 V · 50/60 Hz · 3 phases