

Automated Steel Grating Welding Machine

This automated machine is designed for efficient and precise production of steel gratings. It features multiple welding heads and a conveyor system for continuous material processing.



Product Overview

Industrial Steel Grating Production

The ZH-800-2A-2 is an automated steel grating welding line engineered for high-volume manufacturing of industrial gratings. The system integrates a gantry-type welding mechanism with automated feeding systems for both flat and cross bars, ensuring consistent welding quality. With an adjustable production width of up to 1000mm and a working beat of under 12 seconds per two pieces, this equipment provides efficient output for large-scale construction projects.

Technical Specifications

Efficiency Metrics

12 seconds

Working Beat

Electrical Input	3-phase, 380V, 50Hz
Required Transformer	800 KVA
Maximum Welding Pressure	75 T

Production Capabilities

Bar Spacing Options

Component	Spacing (mm)
Flat Bars	30, 40
Cross Bars	50, 100

Finished Grating Size	1000 x 6000 mm (Adjustable)
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Raw Material Compatibility

Flat Bar Dimensions

- Width: 25-60mm
- Thickness: 2-5mm
- Length: Up to 6000mm

Compatible Materials	Hot-roll steel, Cold-roll steel
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Control & Automation

Operating Modes

Manual • Automatic

System Capabilities

- Automatic cross bar feeding
- Automatic flat bar feeding
- Automatic welding distortion correction
- Intelligent digital parameter display