

# iSGM

## CNC Gantry Cutting Machine



*iSGM Heavy-Duty CNC Plasma & Oxy-Fuel Machine*

The iSGM is a rugged 3-axis heavy-duty gantry design for smooth, accurate motion, delivering high quality cutting performance. With high speed AC drives and a high speed plasma lifter, you can achieve higher productivity and high quality plasma cutting. Equipped with one plasma and one oxy-fuel torch, the iSGM can cut a wide range of materials. The iSGM comes equipped with ESAB's iCNC Performance controller, with integrated ProMotion Nest software and Cut Cost Calculator.

- Rapid cut-to-cut cycle times with High Speed Plasma lifter with in-built laser pointer for quick tool positioning, high rapid machine speed, high vertical lifter speed & quick arc initiation
- Available with either 120 Amp or 200 Amp air-plasma systems, or 200, 300, or 400 amp dual-gas systems
- Equipped with 1 oxy-fuel torch for cutting mild steel up to 150 mm thick (edge starting)
- Cut up to 2700 mm wide, and up to 13000 mm long

Visit **esab.com** for more information.

### Industries

- Industrial & General Fabrication
- General Manufacturing
- Structural Steel Fabricating



*The iCNC Performance features an easy-to-use touch-screen interface with many productivity features such as nesting and cost-calculating.*

Specifications	
Cutting width, max.	2700 mm
Track width	3500 mm
Machine width	4625 mm
Cutting length	6300 mm / 13000 mm*
Rail length	8000 mm / 15000 mm*
Machine speed, max.	12000 mm/min
Processes	Plasma, Oxy-Fuel
Number of tools	2 (1 plasma & 1 oxy-fuel)
Plasma system options	ESAB A120, m2-200i, or iSeries 200/300/400 systems
Oxy-fuel cutting thickness	65 mm production pierce / 150 mm edge-start

\* Available in either length

## Plasma Packages Available

Power Source:	A120	m2-200i	iSeries 200	iSeries 300	iSeries 400
Rated cutting current	120 A	200 A	200 A	300 A	400 A
Recommended cut (mild steel)	15 mm	25 mm	25 mm	40 mm	50 mm
Maximum edge start	20 mm	32 mm	65 mm	75 mm	90 mm
Output at 100% duty cycle	100 A	200 A	200 A	300 A	400 A



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