

GANTRY CNC CUTTING MACHINE

Model : G-3A -3000 x 12500



MACHINE DESCRIPTION:

G3-A flame/ plasma cutting machine was well designed after integrating decades of industrial experience and customer's feedback on gantry cutting machine. With concept of 'simple and beautiful', G3-A enjoys highest cutting performance and lowest manufacturing cost. This profitable machine type is as good as SteelTailor portable cutting machine series, presenting a simple and beautiful industrial product for global users.

Support flame cutting & plasma cutting & drilling

- H-beam, towline and towline groove are optional.



MACHINE FEATURES:

1. For cutting large-sized thick metal plates and other heavy duty tasks; Satisfy customers' needs for mass production.
2. Widely used in automobile, shipbuilding and engineering machinery industries, etc.
3. User-friendly operating system can largely lower the requirements for technicians.
4. Reliable software and hardware make the cutting precision get to what customers require.
5. Support Oxy-fuel & Plasma.

G3 gantry CNC cutting Machine, High Quality, High Performance, Superb Techniques Beyond All!

SteelTailor G3-A gantry CNC cutting machine has advantages in cutting large-sized thick metal plates or the other heavy duty tasks, which can satisfy the customers' requirements for mass production in industries of automobile, shipbuilding and engineering machinery, etc. The self-developed and patented intelligent NC system ensures a more efficient and stable operation; the integrated THC function and user-friendly operating system largely lower the requirements for technicians. Besides, high temperature annealing treatment and international standard design of positioning precision make the cutting precision get to what customers require. What's more, easy switch between oxy-fuel and plasma improve productivity. With its overwhelming techniques and high qualities, G3-A offers an economical and advanced cutting solution for customers.

CONFIGURATION:

Items	Description
Controller	: F2300T integrated THC
Servo Drive	: Panasonic servo motor
Plasma THC Mode	: Controller integrated THC
Oxy-fuel THC Mode	: Oxy-fuel torch automatically lifting (optional: capacitance oxy-fuel THC)
Longitudinal and Transverse Positioning	: Guide rail, rack, pinion, towline
Electric Parts	: Schneider
Longitudinal/Transverse Channel / Cable Transmission	: Towline
Plasma Torch Holder	: Standard : 1 set
Software	: AngelBlade CAM Pro
H-beam, towline and towline groove	: Optional
Drilling function	: Optional

TECHNICAL PARAMETER:

Type	Steel Tailor G3
Effective Cutting Width	: 3000mm
Effective Cutting Length	: Rail Length- 12500 mm



Cutting Speed	: Flame - 100-750mm/min
	: Plasma - Depend on plasma power
Cutting Thickness	: Flame - 8-150mm
	: Plasma - 03- 22 mm (Power Max 105)
Positioning accuracy	: $\leq \pm 0.2\text{mm}/10\text{mm}$
Repeatability	: $\leq \pm 0.2\text{mm}/10\text{mm}$
Longitudinal drive system	: Dual Drive
Types of Cutting Material	: Carbon steel/ stainless steel / aluminum
Brand New	: China



1. The beam and slide are symmetrical and structured with square a tube, which ensures high stability in high-speed operation.

2. Beams are stress relieved after high temperature annealing, quarantines high cutting precision for a long time.

3. 22KG standard gantry rail, rack & pinion with 7 grade precision (Euro Standard) and specialized reducer make its positioning precision conform to ISO 8206-1991 and its diagonal error



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within 1mm under the range of 3m*10m.

A. Intelligent NC System (F2300T controller - self-developed and patented technology); (High stability, fast operation, built-in integrated THC function, easy operation and reduce troubles)

B. Simple electrical connection; (Just connect with AC220V power line, oxygen rubber pipe and fuel gas tube)



C. Oxy-fuel and plasma switch in 30 seconds; (Oxy-fuel or plasma cutting can be switched easily by exchanging the torch holder, which avoids reducing the effective cutting area)

D. Optional medium-voltage regulator makes operator adjust air pressure easily.



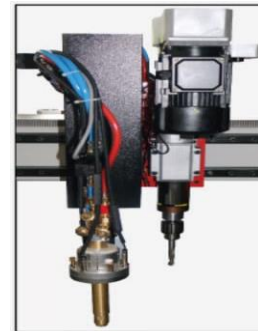
Unique Design of Technical Details, Perfect Cutting Effect



A. $\pm 45^\circ$ bevel cutting, adjust angle at will.



B. Anti collision device to avoid damage to plasma torch.



C. Can update to 2 oxy-fuels Torches for improving Productivity. (Distance is Adjustable)

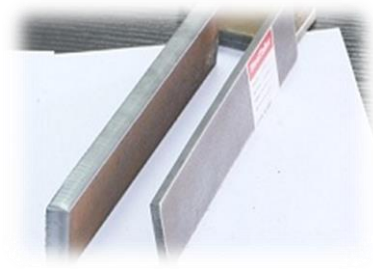


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Cutting Sample



G3 plasma cutting:
12mm/5mm



G3 plasma cutting: 5mm



G3 flame cutting: 6mm

D. Multiple steel plates can be put on cutting table for improving productivity.

E. Heavy duty tasks and keeps working for 24 hours/day.