

SteelTailor™ G3

High performance gantry cutting machine



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Advantages:

- The beam and the side are all fabricated as one piece, stress relieved and then machined.
- High level filtering to avoid any disturbance due to plasma radiation and power line instability.
- Use of high grade rails-racks-pinions to be better than ISO-8201-1991 for positioning accuracy and repeatability.
- Easy installation, adjustment, maintenance.
- Can use servo motors (G3-A) or stepper motors (G3-B)
- Easy change plasma and oxy-fuel configuration
- Can be equipped with maximum 2 oxy-fuel torches.

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1. Easy change plasma and oxy-fuel configuration.



2. Easy installation, adjustment, maintenance.

■ Configuration

Rails	22 kg/m
Lift	Stroke < 100 mm
Reducer	40:1
Rack	High resistance
Gearing Mode	Rack/Pinion
CNC & THC	F2300T
Servo motor and drive	Panasonic A4 series 400 W
Electric parts	Schneider

■ Technical Parameters

Type	STG3
Input Voltage	110/220 V
Frequency	60/50 Hz
Input Power	2 KW
Display	10.4 " Color LCD
Effective cutting Width (X)	3000 mm
Machine Width (X)	4000 mm
Longitudinal Rail Length (Y)	3m, 4m, 5m, ..., Max 12 m
Effective Cutting Length	Rail Length- 1.5 m Max 10.5 m
Machine Length	Max 12 m
Machine Height	1560 mm
Total Weight of Machine	450 kg (cross beam) +rails 22 kg/m
Rapid Moving Speed	Max 10 000 mm/min
Mode of Cutting	Flame or Plasma
Cutting Speed Flame	100 – 750 mm/min
Cutting Speed Plasma	Depend on Plasma Power
Cutting Thickness Flame	6- 150 mm
Cutting Thickness Plasma	Depend on Plasma Power
Positioning Accuracy	< 0.5 mm / 10000mm
Repeatability	< 0.2 mm/ 10000mm
Longitudinal movement	Dual Drive

SteelTailor

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