

CUTTING AUTOMATION

# Athlete Series



Genstar Technologies Company, Inc.

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Athlete series high precision cutting machine can be integrated with high precision plasma cutting system to achieve unequal cutting quality. The driving mechanism uses a precision gear reducer that offers low-clearance with backlash less than 2 arc minutes. It can be equipped with other optional accessories such as laser point positioning, torch height control, etc. The Athlete cuts precisely even running at a high speed.

## FEATURES

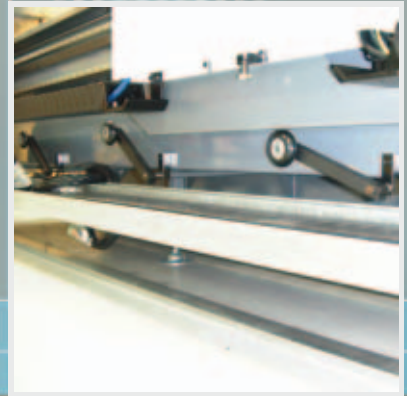


- ⇒ Equipped with most advanced stable CNC controller
- ⇒ Double linear way on longitudinal and cross direction drive with repeat accuracy at  $\pm 0.002$ in
- ⇒ Constructed in as a skid mounted system that occupies small parking space with large cutting area
- ⇒ Unique sequential zone downdraft cutting-table





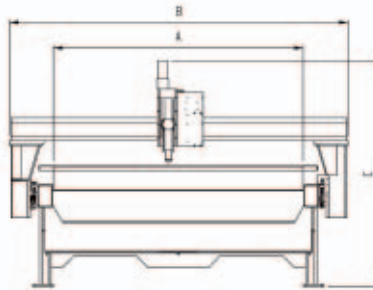
Preloaded double linear way on X & Y axis



Sequential multi zone mechanical downdraft table

## SPECIFICATION

MODEL		ATHLETE 15	ATHLETE 20	ATHLETE 25
SPECIFICATION	UNIT			
Power Input	-	3 Phase 220/460V 50/60Hz		
Max. Cutting Width (A)	in	63	74	98
Max. Cutting Length	in	122 for 10ft. model / 244 for 20ft. model		
Max. Travel Speed	in/min	787		
Max. Cutting Speed	in/min	472		
Position Accuracy	in	+/- 0.0020		
Repeat Accuracy	in	+/- 0.0020		
Motor Driven Unit		AC servo motor		
Longitudinal Drive		Rack & pinion drive on double side		
Cross Direction Drive		Rack & pinion drive		
Longitudinal Rail		Double linear-way		
Cross Direction Rail		Double linear-way		
Overall Rail Length	in	157 for 10ft. model / 283 for 20ft. model		
Overall Width (B)	in	89	100	126
Overall Height (C)	in	63		
Parking Space	in	32		
Weight	lb	3740	4070	4730



DIAGRAM

### ATHLETE HIGH PRECISION CNC CUTTING MACHINE (DUAL DRIVE)

PART NUMBER	DIMENSION
PC-1530	5' x 10'
PC-1560	5' x 20'
PC-2030	6' x 10'
PC-2060	6' x 20'
PC-2530	8' x 10'
PC-2560	8' x 20'

## STANDARD EQUIPMENT

- ⇒ 1 EDGE CNC controller (Hypertherm, USA)
- ⇒ 1 Main carriage
- ⇒ 1 Sequential zone downdraft table
- ⇒ 2 Cable chain, X axis
- ⇒ 1 Cable chain, Y axis

OPTIONAL ACCESSORIES	
PART NUMBER	DESCRIPTION
PC-007L	Laser point positioning unit
PC-024	Pneumatic sheet clamp (two point)
PC-026	Mechanical torch height control
PC-031	Grounding rod with 3M cable
PC-032	Grounding cable extension
PC-047	Anti-collision device
PC-055	High precision sensor THC



DISTRIBUTED BY:

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