

MACHINE MODELS :

MACHINE MODEL	MIN. - MAX. LENGTH	MIN. SHEET THICKNESS	MAX Overall coil strip width
X-SERIES	3- 6 meters	0.5 - 3 mm	< 300 mm
Y-SERIES	3- 9 meters	1 - 4 mm	< 600 mm
Z- SERIES	6-12 meters	2 - 5 mm	<1200 mm

FEATURES AND SPECIFICATIONS :

FOR X-SERIES MACHINE

MACHINE AND PERIPHERAL		MATERIAL AND CUTTING	
Max. cutting speed :	354 ipm [approx. 15 cm/sec]	Strip thickness range :	0.5 mm - 3 mm
Max. transverse speed :	827 ipm [approx. 35 cm/sec]	Cutting method (default):	20 Amp Plasma (40 amp opt.)
Max. acceleration :	60 ips/s2 [approx. 150 cm/sec2]	Torch height control :	MPC3000 (Automatic piercing)
Machine accuracy :	+/- 0.25mm	Bed configuration	electromagnetic base (for thin sheets)
Machine repeatability:	0.25mm	Max strip width :	304mm (11.96 inches)
Resolution :	0.18mm	Strip handling method :	CNC Servo feed controlled
XY Drive	Precision timing belt drive	Continuous cut loops	CNC closed loop & flag-trip loops
Actuation	48V, 4Amp OMC Steppers		
Operating Voltage	220V 60Hz (plasma +machine)	Cut features :	Holes, Slots, length cutting, notching
Marking process (optional):	Labelling or inkjet (thermal marking is optional)		Square and rectangular holes
Marking location range :	40mm from both the edges of sheet		Any 2D CAD vector nest
		Min. holes diameter :	> 3 mm (after belt-drive backlash)

Computer software

Computer hardware and processor :	Industrial PC with USB trans.
Pre-programmed macros :	-
CAM software :	SigmaNEST (Optional : AlmaCAM)*
CNC Software :	USBCNC* MS windows from Planet CNC (Optional : Mach3)*