

# MODEL 315 OS

## Specifications

Material Width.....	15 Inches
Active Cutting Width.....	13.25 inch (337 mm)
Media, maximum thickness.....	.045 inch (1.1 mm)
Media handling.....	engineered Sprocket-Trak
Media punch patterns accepted.....	three hole, slotted, unifrom (IBM)
Media types.....	paper, vinyls, screen print, reflexives, ..... Magnetics, Semi-rigid (PVC), Sandblast stencil
Drive Technology.....	Digital Servo
Cutting Technology.....	Swivel Knife
Material Handling.....	Sprocket-Feed
Resolution, addressable (HPGL).....	0.000984 inch (0.25 mm)
Resolution, mechanical .....	0.0002 inch (0.005 mm)
End Point Accuracy.....	0.009843 inch (0.25 mm) or 0.1% of total
Repeatability.....	0.004 inch (0.10 mm)
Speed, Maximum On-Axis.....	37 ips (940 mm/second)
Speed, Maximmm Diagonal.....	52 ips (1320 mm/second)
Acceleration, Selectable.....	Balanced, 0.25 to 4 G's
Force, selectable in 100 steps.....	0.0 oz. - 19.4 oz. (0g-550g)
Buffer.....	2 MB, expandable to 8MB
Microprocessor.....	Intel RiSC 80960
Command Language.....	HPGL
Interface.....	RS-232-C
Functional Attributes / Features	
Vector Look Ahead.....	Yes
Curve and Arc Smoothing.....	Yes
Test Plot Funtion.....	Yes
Test Cut Funtion.....	Yes
Pause/Resume.....	Yes
Remote Panel (system set-up, control & diagnostics).....	Yes
Knife Blades.....	Pivoting carbide tip, 45 & 60 degree
Knife Offset, selectable.....	0.01 to 1 inch (0 to 2.5mm)
Pens available.....	roller ball, felt or drafting (HP style)
Pounce tip.....	tool steel
Pounce pitch, selectable.....	0.01 to 1.0 inch (0.25 to 2.5 mm)
Power Output.....	12 volts
Stand - N/A.....	Desktop
Operating temperature.....	32 to 117 F (0 to 40 C)
Operating Humidity.....	relative, 5% to 95%