

# Model 315 Sprocket-Trak

## MODEL SUMMARY

Material Width.....	15 inch
Active Cutting Width.....	13.25" (337 mm)
Media, maximum thickness.....	.045" (1.1 mm)
Media handling.....	engineered Sprocket-Trak
Media punch patterns accepted.....	three-hole, slotted, uniform (IBM)
Media types.....	paper, vinyls, screen print, reflectives, .....Magnetics, Semi-rigid (PVC), sandblast stencil, paper
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" (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, Maximum Diagonal .....	52 ips (1320 mm/second)
Acceleration, selectable.....	Balanced, 0.25 to 4G'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 Function.....	Yes
Test Cut Function.....	Yes
Pause/Resume.....	Yes
Remote Panel (system set-up, control & diagnostics).....	Yes
Knife blades.....	pivoting carbide tip, 45 & 60 degree
Knife offset, selectable.....	0 to 0.1 inch (0 to 2.5 mm)
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)
Stand - N/A.....	Desktop
Operating temperature.....	32 to 117 F (0 to 40 C)
Operating humidity.....	relative, 5% to 95%
Size.....	30" x 10" x 10" (762mm x 254mm x 254mm)
Weight.....	39 lbs (18 kg)
Warranty.....	2 Years

## Key Applications

Un-Attended Operation in  
Contour Cutting  
Text-Intensive Signs.

Vehicle Striping / Graphic Kits.

Precision-Cut Intricate  
Graphics.

Highly Repetitive Work.

Time-Sensitive Short  
Run Graphics

.....and more.

## Model 315 Sprocket-Trak

Is a 15" sprocket driven, high performance, cutter featuring Allen's engineered multi-pin material tracking system. Its design allows for processing all 15" punched media (three-hole; slotted and uniform (IBM)). The 315 Sprocket-Trak delivers unattended operation with precision cutting, in perfect registration, at speeds up to 37 inches per second! And, its the ideal "contour" cutting solution for jobs digitally printed on 15" punched media



ALLEN DATAGRAPH SYSTEMS, INC.  
56 Kendall Pond Road  
Derry, NH 03038-4395  
Tel: (603)216-6344 Fax: (603) 216-6345  
www.allendatagraph.com