The Model 536 ...the Sprocket Cutter with Friction Drive!

**Versatility...means productivity!**

Load the stencil size you prefer...the superb sprocket capability lets you easily adjust for 15 inch to 30 inch material. In the friction mode, the material range is 5 inches to 36 inches!

- The 536 has the Gold Touch™ cutting head, ...100 steps of digitally-controlled force, delivering a whopping 550 grams of force.
- Cut, Draw or Pounce...it's not only a cutter...it's also a pen plotter and full-size pattern maker!

**Performance...**

All cutting parameters are easily set up using a simple 2 to 3 key sequence. There's no compromise with the 536's full function control panel. Speed and Force adjust on the fly!

“Tangential Emulation” an internal software feature, allows the 536 to cut perfectly square corners in the heaviest of materials. V-lines and corners are sharp and accurate.

The 536 is compatible with the industry's leading design and layout software programs.

**The Model 536...the one that does it all!**

Allen Datagraph Cutters...always A Cut Above the Rest!
Model Summary

Media Width-A: (SandBlast Stencil) ........15 to 30 inches (18 to 129 cm)
Media Width-B (Other, Vinlys, etc) ..........5 to 36 (18 to 155 cm)
Maximum frame size ........36 inches x 250 feet (152 cm x 63.5 m)
Media Handling ............Adjustable Sprocket Feed / Microgrit Friction Feed
Media types ...............Sandblast stencil, Paper, vinyls, Rubyliith®, Tyvek®, magnetics, reflective

Drive Technology ...........Digital Servo
Cutting Technology ...........Swivel Knife
Resolution, addressable (HPGL) ....0.000984 inch (0.25 mm)
Resolution, mechanical ........0.000120 inch (0.003 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 ..........24 ips (40 cm/s)
Acceleration, selectable ..........Balanced, 0.25 to 4G’s
Force, selectable in 100 steps ..........10 to 550 grams
Plot origin, selectable ..........long X, long Y, center or center rotated 180°
Buffer .................2 MB, expandable to 8MB
Microprocessor ..............Intel® RiSC 80960i
Command Language ..........HPGL
Interface .................RS-232-C, parallel
Emulation .................HP 7585/86

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 ......................w/roll feed, baskets and cradle
Operating temperature ..........32 to 117 F (0 to 40 °C)
Operating humidity ..........relative, 5% to 95%
Cutter size .............55 x 17 x 13 inches (201 x 43 x 33 cm)
Cutter weight .............76 lbs (35 kg)
Stand size, assembled ..........37.5 x 17 x 31 inches (168 x 54 84 cm)
Stand weight ..............40 lbs (18 kg)
Warranty .............................2 Years

Sandblast Cutting
Plotting
Vinyl Cutting
Gold Touch Head

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