

# D A T A S H E E T

## AV-PRO™ PA500 PATCH APPLICATOR



### DESCRIPTION

The patch applicator unit, developed jointly with Ga-Vehren Engineering of St. Louis, Missouri, offers substantial benefits compared to competitive equipment. Of primary importance is the rotary shear knife that cuts independent of the vacuum cylinder.

The material applicator will feed, optically scan, cut off, and apply silicone release liner, 3-ply piggyback labels, acetate windows, forms bond, plastics, and other materials in registration onto the carrier web. It may also be used to cut off, register, and apply preprinted material onto the carrier web. The unique shear rotary knife eliminates lost time for cutoff blade changes common to pinch cut applicators. Web direction left to right.

### BASIC FEATURES:

- Maximum mechanical speed: 500fpm  
*Note: Actual Production Speeds Dependent on Forms Construction and Materials*
- Maximum web width: 20"
- Maximum affixed material width: 18"
- Minimum web width: dependent on material to be applied
- Maximum material thickness for cutoff: .010"
- Affixed length: 1" to 11"
- Circumferential registration: +/-1/32"

### BASIC EQUIPMENT:

- 60" base with position for optional cross web gluer
- Pin tractor infeed and outfeed
- 14" shear knife cutoff cylinder with mechanical gear changes (2 gears provided)
- 24" vacuum cylinder with vacuum holes spaced every 1/2" across and around
- Lubricant applicator rollers for vacuum cylinder and cutoff blade
- Servo driven feed rollers for controlling patch length
- Lengthen/shorten patch adjustment via programmable controller
- Mechanical "on the run" circumferential register for patch position on carrier web
- Mechanical "on the run" lateral register for patch position on carrier web
- 28" diameter material unwind with 3" or 70mm air core shaft
- Pneumatic adjustable clutch for material unwind tensioning
- 5 HP variable frequency master drive motor and controls
- Jog/stop/run controls

### OPTIONS:

- 24" matrix/waste rewind
- Electric hoist for roll change
- *Double ending* upgrade, incl. turn bar, double tractor, and 2nd unwind
- Cross web glue unit for pattern gluing
- Additional plate cylinders
- Additional change gears

Technical specifications subject to change.

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**Form Flo**  
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