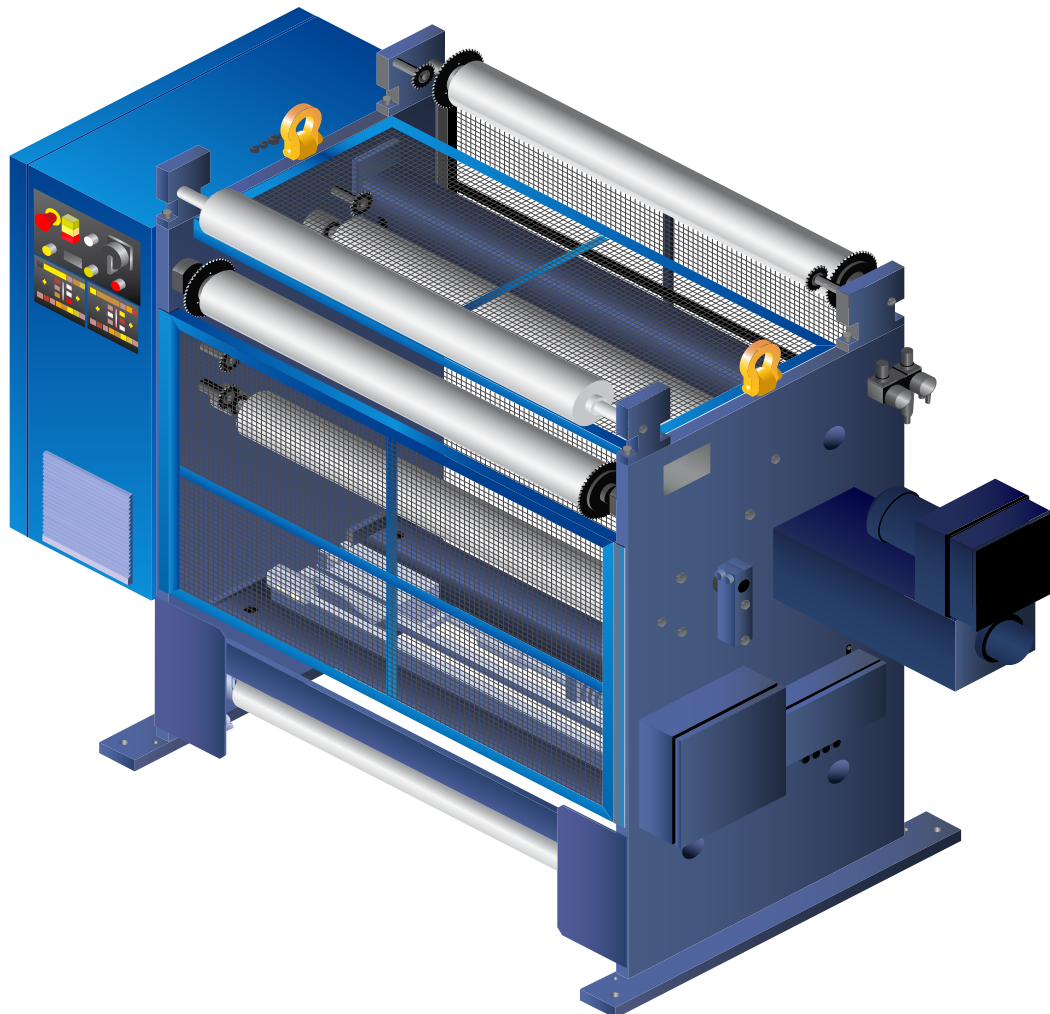


# DSA Infeed



*Shaftless Automatic Infeeds for Commercial and 4-Color Newspaper Printing*



**P**recise tension control is essential to maintain accurate register and reduce waste. DSA infeeds deliver maximum productivity by providing stable web tension over wide operating ranges. The shaftless drive ensures reliable control, minimizes maintenance and simplifies installation.

*The bottom line is process knowledge*

# DSA Infeed

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DSA infeeds provide web tensions up to four times more stable than traditional designs. Their extremely stable tension of  $\pm 1.1$  lbs (0.5 daN) is made possible by the use of high dynamic servo regulation with low inertia mechanical elements, a dancer roller and a nipping roller.

Tension control begins at the paster. MEGTEC's pasters and infeeds can be controlled in tandem for optimum performance. This also allows the paster to operate at a low tension to limit tension variations to the infeed (this also reduces brake maintenance).

## Independent or Integrated

The compact unit features a compensator for fast and accurate tension control from 11 lbs (5 daN) to 290 lbs (130 daN) or 400 lbs (180 daN). Infeeds are available as independent units or can be integrated with MEGTEC DLP 2/50 pasters. The integrated version can reduce overall press length by up to 6.5 ft (2m).

## Standard Features of DSA 130 and 180 Independent Infeeds

- Compact free-standing unit
- Closed loop regulation with DC drive motor
- PLC control
- Web tension accuracy  $\pm 1.1$  lbs (0.5daN) of maximum value
- Digital display of web tension
- Independent electric drive
- Can be retrofitted to many presses
- Fully assembled, pre-wired and tested for easy installation
- Chain web-up assist with manual crank

## Versions

- Twin web configuration
- Symmetric arrangement
- Motorized webbing up when supplied with match speed paster
- Web tension sensors (measurement roller with load cells)
- Integrated web guide

## Performance Benefits

- Minimum paper waste during make-ready and production
- Exceptional stability 1.1 lbs ( $< \pm 0.5$  daN)
- Precise web tension from 11 lbs (5 daN)
- Maximum web tension of 290 lbs (130 daN) or 400 lbs (180 daN)
- Fast and accurate correction at all speeds 3000 fpm ( $< 915$  m/min)
- Closed-loop regulation
- Simple operation and maintenance

\*MEGTEC offers an integrated infeed when purchased with a MEGTEC match speed splicers.

## Operating Specifications

Maximum speed	3000 fpm	15 m/s
Maximum web width	40, 50, 54, 60, 67, 75, 80 inches	1020, 1270, 1370, 1530, 1700, 1905, 2040 mm
Web tension stability	$< \pm 1.1$ lb	$< \pm 0.5$ daN
Minimum tension	11 lbs	5 daN
<b>Models</b>	<b>Independent</b>	<b>Integrated*</b>
DSA 130 maximum tension	290 lbs - 130 daN	130 daN-290 lbs
DSA 180 maximum tension	400 lbs - 180 daN	
Web guide integration	Available	

\*Integrated infeeds only up to 50 inches (1270 mm) web width (DLP 2/50 pasters)