

DSA Shaftless Infeed



*Shaftless Automatic Infeed
for commercial and 4-color newspaper printing*



Precise 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, minimises maintenance and simplifies installation.

The bottom line is process knowledge

DSA

Shaftless Infeed

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DSA infeeds provide web tensions up to four times more stable than traditional designs. Their extremely stable tension of $\pm 0,5$ daN (1,1 lbs) 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 5 daN (11 lbs) to 130 daN (290 lbs) or 180 daN (400 lbs). 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 2m (6,5 ft).

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 $\pm 0,5$ daN (1,1 lbs) 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
- Motorised webbing up when supplied with match speed paster
- Web tension sensors (measurement roller with load cells).
- Integrated web guides.

Performance benefits

- Minimum paper waste during make ready and production
- Exceptional stability $< \pm 0,5$ daN (1,1 lbs)
- Precise web tension from 5 daN (11 lbs)
- Maximum web tension of 130 daN (290 lbs) or 180 daN (400 lbs).
- Fast and accurate correction at all speeds < 915 m/min (3000 fpm)
- Closed loop regulation
- Simple operation and maintenance

Technical specifications

Maximum speed	15 m/s	3000 fpm
Maximum web width	1020, 1270, 1370, 1530, 1700, 1905, 2040 mm	40, 50, 54, 60, 67, 75, 80"
Web tension stability	$< \pm 0,5$ daN	$< \pm 1,1$ lb
Minimum tension	5 daN	11 lbs

Models	Independent	Integrated *
DSA 130 maximum tension	130 daN - 290 lbs	130 daN - 290 lbs
DSA 180 maximum tension	180 daN - 400 lbs	-
Web guide integration	Available	-

* Integrated infeeds only up to 1270 mm (50 ") web width on DLP 2-50 pasters.