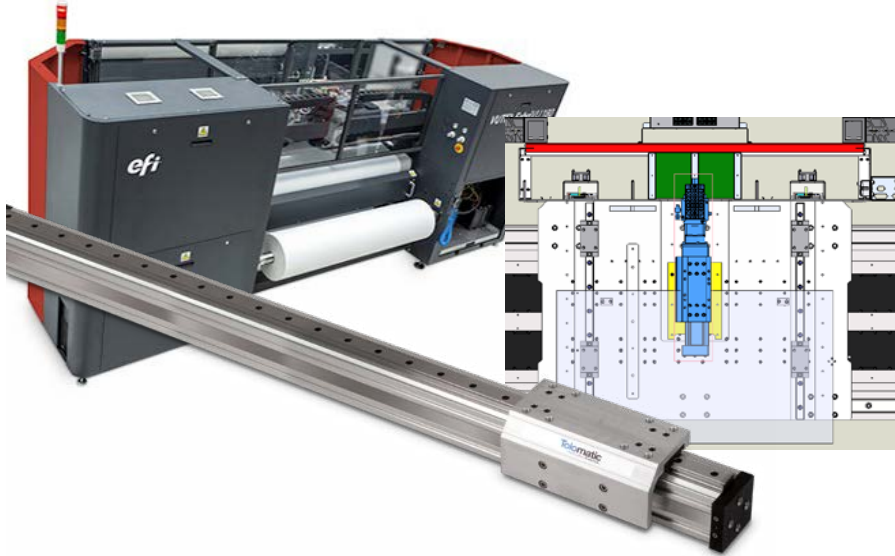


APPLICATION SOLUTION: Print Head Positioning



Product Family: Electric

Product Used: MXE Rodless
Screw Drive
Actuators

Product Type: Modified Standard

Application Requirements:

Travel: 4 in (101 mm)

Bending Moment: Heavy
overhanging weight

Application Description:

Positioning head for large format printing press

Challenge:

Move printing heads into position for printing on a large format roll-to-roll printer. Used for banners, canvas, semi-trailers, and trade show displays, the printer accommodates rolls of various media widths from 4 ft to 10 ft. Precise, accurate movement is critical. The heads are offset so the load creates significant bending moments that must be supported, so additional guides were added into the design. Mounting must accommodate the periodic maintenance required for the printing heads.

Tolomatic Solution:

An MXE40P actuator supplies the movement and primary support for the printing heads. The robust design of the profiled rail carrier was modified with special mounting holes that allow for repair or maintenance of the printing heads. Tolomatic engineers also designed custom end caps to meet the application requirements on this 40 ft wide large format printing press.

Customer Benefit:

- Robust actuator solution
- Improved maintenance efficiency with modified mounting
- Excellent distributor and Tolomatic support
- Accommodated customization requests with no disruption to production schedule