

ATLAS TECHNOLOGIES

Atlas Technologies FLEX 1000 In-press Transfer System is high speed and fully programmable. The FLEX 1000 can be easily retrofitted to existing presses or integrated with new presses. This system is the perfect unit for parts and tooling under 300 pounds.

FLEX 1000 In-Press Transfer



B e n e f i t s

Higher Productivity

Since the transfer path is fully programmable, presses can run smaller parts faster than a cam actuated transfer. Smoother transfer also allows faster speeds without loss of part control.

Die Accessibility

Dies are easily accessed, since the FLEX 1000 is mounted overhead and the finger tooling rails can be raised completely out of the way.

Reliability and Maintainability (R&M)

Proven servo-drive, low inertia design and fewer elements to wear result in higher R&M.

Utilizing Existing Assets

A FLEX 1000 transfer system combined with an existing press costs much less than a new transfer press.

Front to Back Mounting

The FLEX 1000 mounts front to back so there is no need for large press windows.

Easy to Use

All touch screen computerized controls provide easy part programming

Dual Pitch Capability

By splitting the long axis into two separate units and drives, it is now possible to have two separate pitches and accommodate conditions where the pitch could be longer on the first group of dies within the press and shorter for smaller dies.

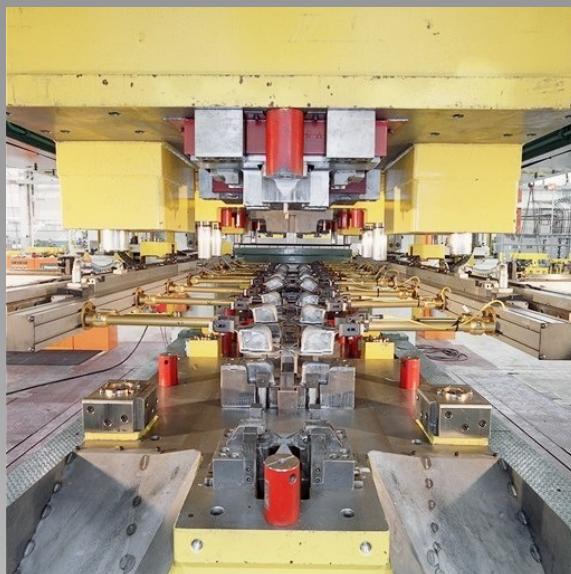


Strength, Speed, Power, Agility and Ambition.... It Must Be a FLEX

- Tri-axis, dual-axis, cross-bar or forward/reverse modes of operation.
- Extruded low-mass aluminum rails allow for high-speed operations
- Transfer rails are supported along the length of the rail, instead of at the ends, for higher rigidity and less deflection
- Anti-backlash couplings improve accuracy and smoothness, while reducing wear
- Overhead mounted design:
 - Easy, open access to the dies
 - Bolster is open for scrap removal
 - Windows are clear for part feeding
- Transfer path corner radii programmability
- Jog capability (forward and reverse) is independent of press actuation
- Fully programmable part sensing
- PC-based remote access diagnostics via modem



Transfer Hand Held Teach Pendant



FLEX design features low mass extruded aluminum rails, compact drive system and overhead mount for die accessibility.

S P E C I F I C A T I O N S

FLEX 1000

Transfer Stroke:	0-36" (915 mm)
Position Accuracy:	0.002" (0.05 mm)
X-Axis Speed:	500 ft./min. (152 m/min)
Clamp Stroke:	0-18" (457 mm)
Position Accuracy:	0.001" (0.025 mm)
Y-Axis Speed:	355 ft./min (108 m/min)
Lift Stroke:	0-24" (610 mm)
Position Accuracy:	0.001" (0.025 mm)
Z-Axis Speed:	165 ft./min (50 m/min)

Standard Part & Tooling Weight: 300 lbs. (135 kg)
Number of Die Stations: 8 Standard

Tooling: Dedicated Rails with manual connections.

O P T I O N S

- Die automation control package.
- External lift unit to clear tall dies.
- Live camera for remote access.
- FLEX Finger Tooling.
- Dual transfer pitch capability.
- Transfer Hand Held Teach Pendant