

**INQUIRIES?**

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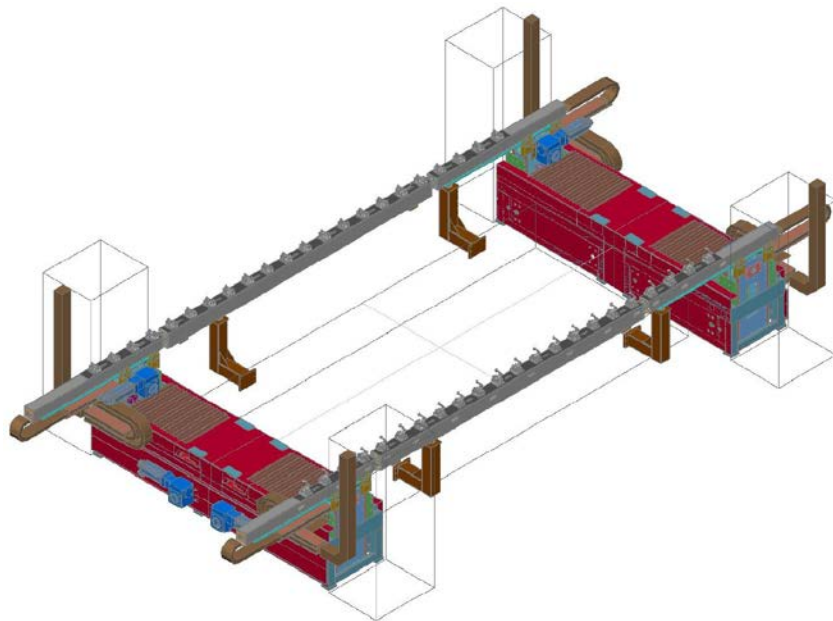
PRODUCT DETAILS

FLEX 6000 Through the Window Transfer System

Atlas Technologies is pleased to introduce the newest member of the successful FLEX product line, the **FLEX 6000**. Based on Atlas' 20 years of leadership with servo transfer applications, the FLEX 6000 has been developed to handle the largest and toughest high speed applications with ease.

BELOW

The Atlas FLEX 3000 Transfers parts for a Michigan based Tier 1 stamper.

**BENEFITS****HIGHER PRODUCTIVITY**

The exclusive Atlas FLEX 6000 design utilizes four independent transfer modules, which are mirrored on each corner of the press. Each module is equipped with its own drive train and servo motors, giving the Atlas transfer multiple axis of programmable adjustment and virtually unlimited flexibility. Each independent motion shares multiple servo drives which greatly reduces drive train size and eliminates mechanical linkage and/or drive shafts. The result is smooth part transfer at faster running speeds without loss of part control.

FAST CHANGEOVER

The transfer stroke lengths, path and start/stop positions (degrees relative to the press ram travel) are fully programmable and may be called up by simply inputting the part number into the master controls (storage for 99 part recipes is a standard feature).

DIE ACCESSIBILITY

Dies are easily accessed, since each FLEX 6000 transfer bar is built in three sections. The two end sections separate and retract simultaneously from the center bar. The center bar sections lock into position on the bolster mounted support posts. This unique Atlas feature benefits the customer by not only providing accurate transfer bar positioning, but also by ensuring security to the equipment and its operators during movement.

RELIABILITY AND MAINTAINABILITY (R&M)

The proven Atlas FLEX servo-driven, low inertia design has fewer elements to wear resulting in higher R&M. Spare part requirements are reduced due to the commonality between all four units.

UTILIZING EXISTING ASSETS

A FLEX 6000 transfer system combined with an existing press costs much less than a new transfer press.

STANDARD PRODUCT FEATURES

OPERATIONAL FEATURES

- + Recipe based modes of operation selectable from touch screen: tri-axis, dual-axis or cross-bar operation modes
- + Operates in multiple feed directions
- + Jog capability - clamp, lift and transfer axis (forward and reverse) is independent of press actuation
- + Transfer path corner radii programmability
- + All drives have brakes which hold position during tool adjustments and provide an added safety feature for operators
- + Independent off-set of the front and rear clamp and lift axis which allows dramatic part variances without the requirement for complex tooling and its associated weight
- + Fully programmable part sensing from the die and the finger tools

MECHANICAL FEATURES

- + The Atlas design features low profile drive modules with integrated mounting plates, which provides unobstructed access to the press for integration of peripheral feed and/or end of line equipment
- + The elimination of mechanically linked drive trains for shared motions greatly enhances performance, reliability and maintainability of the Atlas FLEX 6000
- + The Atlas automatic transfer bar exchange system provides accurate positioning onto the locate and lock parking stanchions with simultaneous detach and retract of the drive modules from both ends of the transfer bars.
- + Engineered steel transfer bar minimizes deflection for precise motion
- + Transfer bar may be configured to support the customers existing finger tooling

CONTROLS FEATURES

- + Rockwell Automation Compact Logix based PLC with integrated motion architecture and Sercos fiber optic drive communications
- + Rockwell Automation Kinetix 6000 servo drives
- + Optional Indramat drive platform
- + Proface/Xycom touch screen controls
- + Servo load loss detection
- + Machine faults are archived and may be recalled at any time
- + PC-based remote access diagnostics via modem
- + Absolute feedback from the press mounted Encoder
- + Ethernet programming port for the PLC & servo controller
- + Unmatched 24-7-365 service . . . **the industries best!**

SPECIFICATIONS

TRANSFER STROKE

0-72" (1829.80 MM)

CLAMP STROKE

0-66" (1676.40 MM)

LIFT STROKE

0-15" (381.00 MM)

MAX. TRANSFER PAYLOAD

1,250-1,500 LBS. (567 - 680 KG)

NUMBER OF DIE STATIONS

11-14 STANDARD

MINIMUM PASS LINE

54" (CENTER OF RECEIVER TO PRESS BED)