ATLAS TECHNOLOGIES
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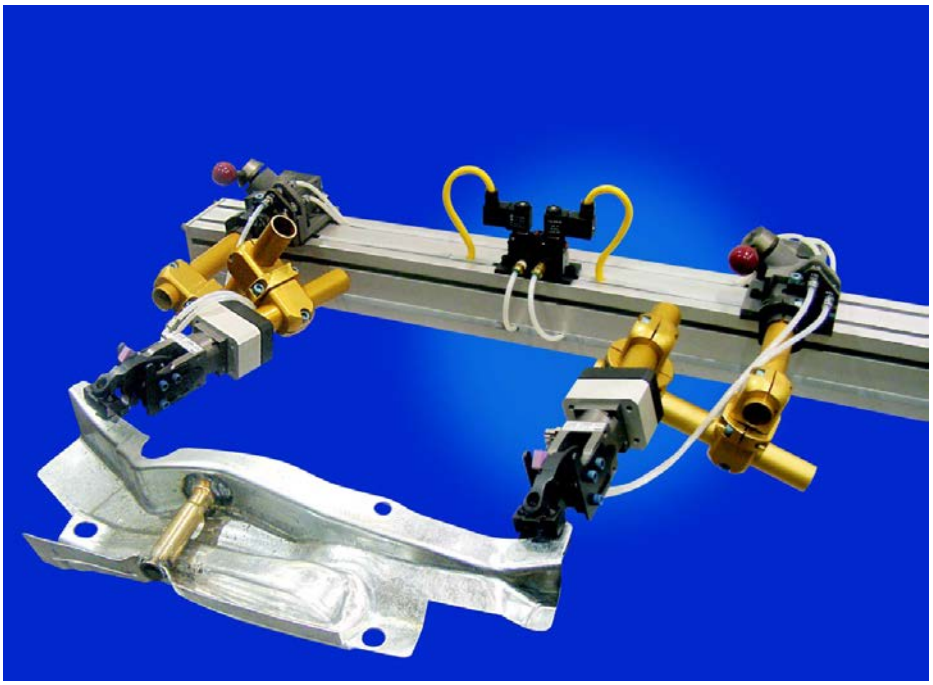
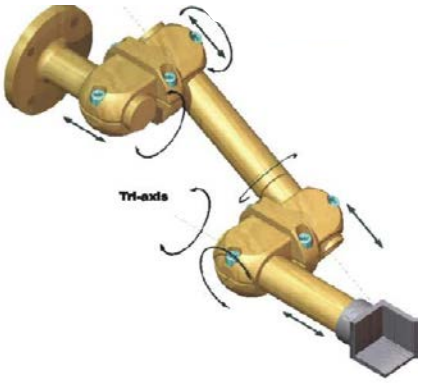
PRODUCT DETAILS

FLEX Transfer Press Finger Tooling

Atlas Technologies' FLEX Universal Tooling Rail System provides for quick changeover of preset finger tools which greatly reduces your transfer tool set up time, is more efficient in terms of material handling labor cost and meets today's ergonomic standards.

BELOW LEFT
Atlas Universal Tooling Rail with quick change receivers & adapters, 1.00" & 1.25" tri-axis adjustable tooling and pneumatic grippers with electrical part present sensors.





THE ADVANTAGES OF ATLAS FLEX FINGER TOOLING

FASTEST SETUP IN THE INDUSTRY!

Easy to configure with modular, tri-axis tooling components; simply adjust one axis at a time for efficient, infinite single axis adjustments without losing orientation of the other axes.

STRONGEST TOOLING IN THE INDUSTRY!

Atlas unique, patented wedge style of swivel clamp provides extreme joint strength (400 ft lb) which maintains positioning accuracy throughout high volume production cycles.

MOST DURABLE TOOLING IN THE INDUSTRY!

When the Atlas swivel clamp is readjusted or reused, it maintains nearly 100% of its clamp strength as opposed to the typical, rapidly diminishing clamp strength of our competitors products.

BEST RETURN ON INVESTMENT IN THE INDUSTRY!

Atlas Tooling components provide superior clamping force without damaging the tooling joint in the process. The Atlas FLEX line of transfer tooling provides you with infinite flexibility to continually reuse the modular tooling components.

RIGHT

Atlas Universal Tooling Rail with quick change receivers & adapters, 1.25" tri-axis adjustable tooling and pneumatic grippers, one with an electrical part present sensor.

LEFT

Atlas Universal Tooling Rail with quick change receivers & adapters, 1.25" tri-axis adjustable tooling and shovel end effectors with part present sensors mounted to an Atlas Flex 3000 servo driven, tri-axis transfer system.

FLEX TRANSFER PRESS UNIVERSAL TOOLING RAILS

+ Incorporates 4" x 4" extruded aluminum tool rail with quick change tooling receivers which are permanently mounted, plumbed and wired
+ Equipped to handle ALL transfer tooling configurations required for current and future die sets
+ Provides for easy & quick changeover of transfer tooling
+ Ideally suited for **"take over"** jobs
+ Requires less storage space than multiple tooling rails with permanently mounted tooling
+ Utilizes anti-rotational (square design) tooling receivers and adapters which also provides generous clearance for quick tooling changeover
+ Incorporates the FLEX Cam Lock, which is a rugged cam operated lever used as the primary lock for the tooling adapter
+ Includes an automatic detent latch which provides double the security for the tooling adapter
+ Provides automatic connection of electrical and pneumatic part detection and clamping (if required)
+ Provides excellent performance with quick response of pneumatic clamps/grippers
+ Receiver/Adapter interface offers mechanical coding which insures proper tool placement in the correct receiver
+ Incorporates light weight components to improve transfer performance

FLEX TRANSFER PRESS FINGER TOOLING

+ Anodized aluminum surface provides enhanced durability and corrosion resistance
+ 1" and 1.25" diameter tooling available to match your transfer requirements
+ Atlas proprietary knuckle assembly provides:
  - Infinite degree of axis adjustment
  - Easy tri-axis tooling adjustment by setting one axis at a time for efficient, step by step adjustments
  - Extreme joint strength (400 ft lb) which maintain position accuracy
  - Superior clamp strength and tooling life without damaging the tooling joint in the process
  - Infinite flexibility to continually reuse without the need for replacement
+ Full compliment of standard or custom end effectors including:
  - Pneumatic clamps/grippers
  - Pneumatic rotary actuators
  - Shovels
  - Part detection sensors
  - Part traps
+ Atlas FLEX transfer tooling is compact in design and light weight which allows it to be handled and installed easily and well within today's ergonomic standards.