

Your complete source for pneumatic products

# FABCO-AIR Inc.

## Over 50 Years Advancing Pneumatics Technology

**Interchangeable  
Stainless Steel Body Cylinders**  
• 12 Bores 5/16" to 3"  
• Strokes to 32"



Linear Slides



Swing  
Clamps

Stopper  
Cylinders



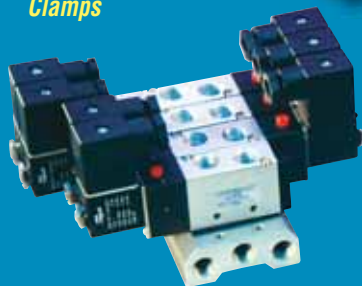
Modular  
Air Preparation  
Systems



**Interchangeable  
Metric Cylinders**  
• 10 bores 12-100mm.  
• Strokes 5-150mm



Multi-Power<sup>®</sup>  
Air Presses



Solenoid  
Valves



Air Pilot  
Valves



Mechanical  
Valves



Table Slides



Finger Slides



Rotary  
Actuators

**Popular Short Stroke Air Cylinders  
are Directly Interchangeable**

- 8 Bores 1/2" to 4"
- Strokes 1/16" to 4"



Pancake<sup>®</sup> II



The Original Pancake<sup>®</sup>



Square Pancake<sup>®</sup> II

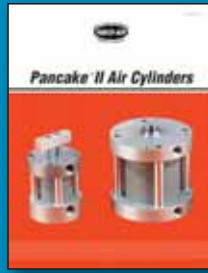


Wide Opening Grippers

Shipping standard products in 1 to 3 days



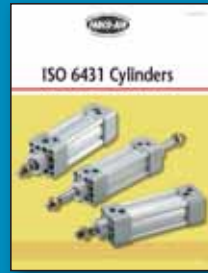
Cylinders, Valves and Accessories  
 Catalog #CV9



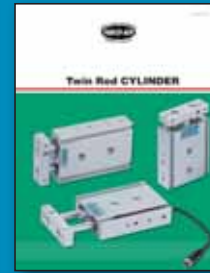
Pancake® II Air Cylinders  
 Catalog #Pan2-2



Square Pancake® II  
 Air Cylinders  
 Catalog #SqPan2



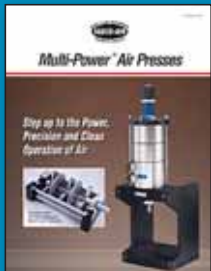
ISO 6431 Cylinders  
 Catalog #FAQR-09



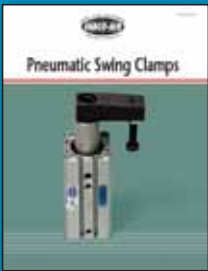
Twin Rod, Non-Rotating  
 Air Cylinders - Catalogs  
 #FDF-09 & #FDXS-09



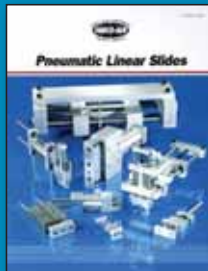
High Closing Force  
 Angular Grippers  
 Catalog #FKHC-10



Multi-Power® Air Presses  
 Catalog #FP16



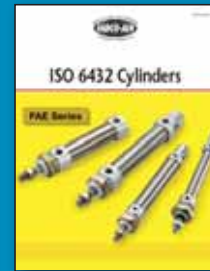
Swing Clamps  
 Catalog #SC-DB04



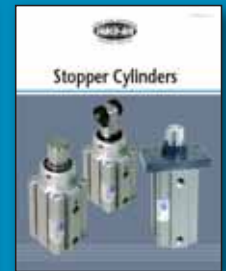
Linear Slides - 6 Families  
 Catalog #LS-03



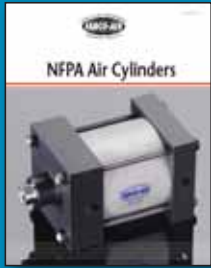
Compact Finger Slides  
 Catalog #FDH-10



ISO 6432 Cylinders  
 Catalog #FAE-09



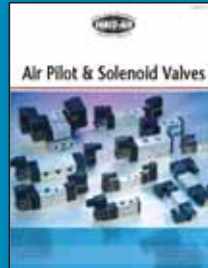
Stopper Cylinders  
 Catalog #ST-SC



NFPA Interchangeable  
 Air Cylinders  
 Catalog #NF-6



Global Series™ Metric  
 Air Cylinders  
 Catalog #GC-15



Air Pilot and  
 Solenoid Valves  
 Catalog #FVA.E-09



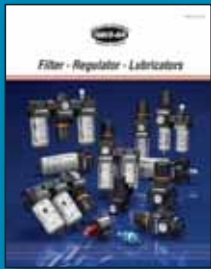
Air Table Slides  
 Catalog #FGXS-10



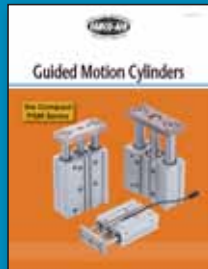
Wide & Narrow Parallel  
 Grippers - Catalogs  
 #FKHZ-10 & #FKHQ-10



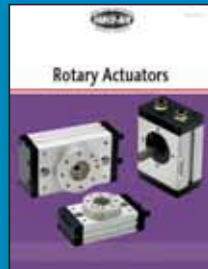
Toggle Type  
 Angular Grippers  
 Catalog #FKHT-10



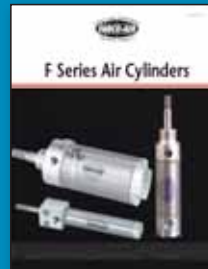
Modular Air Preparation  
 System - FRLs  
 Catalog #FRL-06



Guided Motion  
 Air Cylinders  
 Catalog #FGM-10



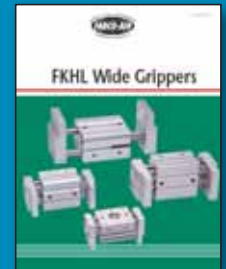
Pneumatic Rotary  
 Actuators  
 Catalog #FRA.C-09



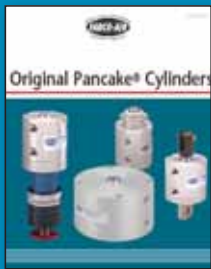
Stainless Steel Body  
 Air Cylinders  
 Catalog #55B-03



Pneumatic & Hydraulic  
 Swing Clamps  
 Catalog #FML.H



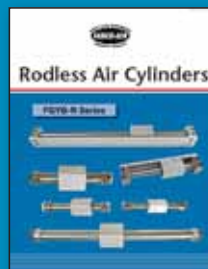
Wide Opening  
 Parallel Grippers  
 Catalog #FKHL-10



Original Pancake®  
 Air Cylinders  
 Catalog #CV9



Pneumatic  
 Crimping Tools  
 Catalog #FCT-JY07



Magnetically Coupled  
 Rodless Air Cylinders  
 Catalog #FGYBR-11



Magnetically Coupled  
 Rodless Slides  
 Catalog #FGYS-11



Angular Grippers  
 Catalog #FKA-09



3 Series of Angular &  
 Parallel Motion Grippers  
 Catalog #GR8

Find the products you need in the Fabco-Air standard catalog library

Over 50% of the products we manufacture are special items designed to customer specifications.



Dial-A-Stroke® unit enables precision adjustment of extend stroke

**Dial-A-Stroke® MULTI-POWER® Linear Slide**

Cylinder specifications: 4" bore x 5" stroke, Magnetic Piston, Hydraulic Shock and Speed Control.

Fabco-Air adapted a MULTI-POWER® air cylinder and a linear slide for high force and precision guiding in an automotive application. Capable of supplying 4,720 lbs. of force at 100 PSI, the unit has a custom mounting/bearing block with eight pre-loaded, sealed linear ball bearings supporting four hardened, precision guide shafts and a steel tool mounting plate.



**Double Acting Mold Lock Cylinder for Plastic Molding Application**

This cylinder actually pulls the stick-down to the cooling platform with positive pressure rather than with a spring to give uniform cooling on overmold.



**Dial-A-Stroke® Parallel Gripper for Packaging Application**

This unique gripper allows jaw size to be adjusted on a per-job basis, eliminating the need for special jaw attachments.



**Round Hole-Through Cylinder for Synchronized Pick-up**

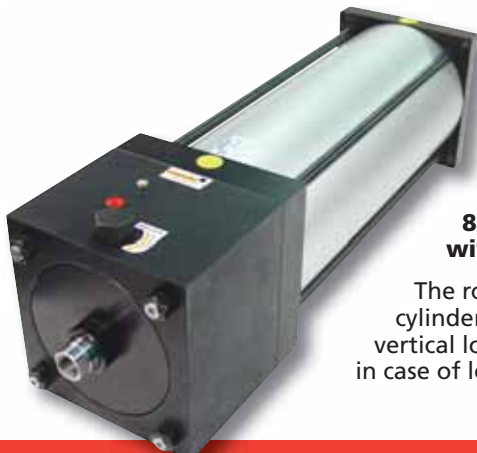
Customer was trying to lift a product using 3 individual air cylinders with unacceptable results. Fabco-Air designed this "ring" cylinder that incorporates three piston rods with a single piston for smooth, non-binding actuation. Problem solved!



**Dual bore air cylinder**

Cylinder specifications: 50 mm bore, 2" stroke, double acting, stainless steel piston rods, hard anodized aluminum body.

Unique design features integral nests machined into the cylinder body enabling precise alignment of customer tooling under tight space limitations.



**8" Bore Cylinder with Rod Lock**

The robust rod lock on this cylinder provides a failsafe for vertical loads, preventing injury in case of loss of pressure.



**Four Stage Multi-Power® Air Cylinder with Built In Quick Exhaust Dump Valve**

Unique dovetail mount enables the customer to easily change centers on a resistance welding application.

*Let Fabco-Air design and prototype your solution in 2 to 3 days*

## Fabco-Air – pioneering in the early years of industrial pneumatics

### The original Pancake® Air Cylinder

In 1958 Fabco-Air began its business by making a tiny air cylinder to fit and work in cramped spaces where no other cylinder could. We named it the Pancake®. It worked so well that people began asking for it with bigger bores, longer strokes, more options. Today, it has evolved into a major air cylinder line with 8 bore sizes 1/2" to 4" and strokes to 4".

But the Pancake® is only one of thousands of stories. In fact early pneumatic history is filled with FABCO innovations. Our Multi-Power® cylinders delivered hydraulic forces with mere shop air pressure. Our specialty control valves served as the main logic elements in functional pneumatic circuitry. Our mechanical valves, air pilot and solenoid-operated valves were there to deliver the power.



Top left: Early Pancake® cylinders had an orange look. Bottom right: Current models are clear anodized for a clean modern appearance.

Now, as you can see in this brochure, the innovation continues. We look forward to being of service to you as your needs for pneumatic products or technical information arise. Call us. Let us help.

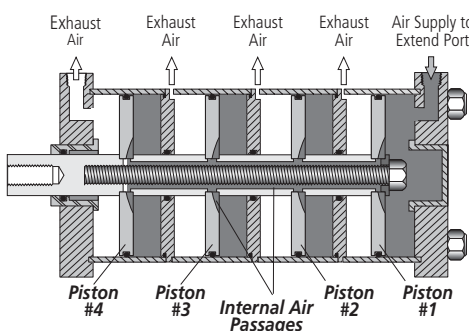
### Multi-Power® Air Cylinders

Fabco-Air attaches multiple pistons to a common shaft and provides internal air passages through the shaft to all pistons. Thus, when shop air pressure is applied to the extend port, all pistons are pressurized simultaneously enabling tremendous thrust forces to be obtained.

Multi-Power® cylinders are available in 4 series with bore sizes from 1/2" through 12" and strokes from 1/8" through 12". As an eye-opening example, thrust forces can reach over 26,000 pounds with a 12" bore 4-stage model using only 60 psi shop air pressure!



Above: 2-stage Multi-Power® with optional clevis mount.



Left: Cutaway view of 4-stage Multi-Power® in power stroke mode.

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