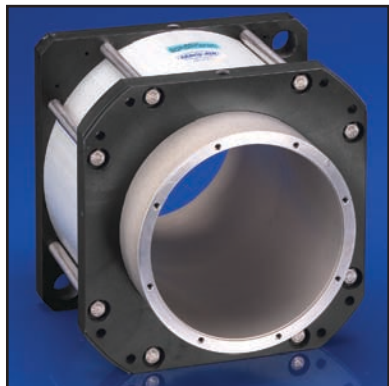


## Fabco-Air Makes Specials

When design constraints have you up against the wall, contact Fabco-Air. We'll do our best to help with a custom solution.

Look at two examples of what we have been able to do for others...



### Special Hole Through Cylinder

Cylinder specs: 10" bore x 3-1/2" stroke • 7" Dia. hole through • 8" dia. rod  
Fabco-Air customized a standard cylinder to fit into small parts assembly machinery. The large hole allows mechanical drives and pressure/vacuum lines to pass through to the point of use.



### Special Double Rod Cylinder

Cylinder specs: • 4" bore x 1-1/2" stroke • 2-1/2" diameter rod, OD threaded, hole through, hard chrome plated stainless steel • Critical tool mounting holes on rod • Precision alignment bosses • Magnetic piston • Sensor mounting slots on body

## New Fabco-Air Products



**Square Pancake II Cylinders** - Precision machined heads • High strength composite cylinder barrel • Smooth, self-lubricating bores yield zero slip stick • Composite non-metallic rod bearing • Hard chrome plated stainless steel rod • 3/4" to 4" bores and up to 4" stroke • Drop-in interchangeable standard and twin rod non-rotating models • Magnet piston and many other options available



**Stopper Cylinders** in 32, 40 and 50 mm bores have a variety of configurations  
• Double acting • Single acting, spring extended rod • Double acting with built-in fail safe extended rod • 7 rod end styles • Adjustable rollers direction  
• Shock absorbers for safety stops  
• Magnetic piston standard



### Swing Clamp

Clamp arm rotates 90° as it extends away from the workpiece providing clearance and access for unload & load operations. Double acting operation and standard magnetic piston offer positive cycles, durability and workpiece detection features.



# Pneumatic Solutions for Automation Design Problems



Meeting customer needs with a broad line of standard products...



including electro-pneumatic interface for high end projects...



and production aides with force-multiplying power cylinders to achieve hydraulic-like thrusts from standard shop air pressure...



as well as the special products developed to meet unusual design constraints. **It's all Fabco-Air!**

**When you think automation, think Fabco-Air. Our people provide countless design solutions from our comprehensive line of standard products. When a standard doesn't do the trick, we'll go all out to help by designing and delivering the perfect special for the job!**

# Here's your comprehensive, all-in-one source for standard pneumatic components



**The Original Pancake® Cylinders** are available in 8 bores from 1/2" to 4", strokes to 4", plus all the mounting styles & options you want. Magnetic piston. Non-rotating and more!



**Pancake® II Cylinders** are offered in 8 bores from 1/2" to 4", strokes to 4", plus all the mounting styles and options you want. Direct interchangeability model-for-model with other industrial offerings.



**Square1® Cylinders** in bores from 3/4" to 2" with strokes to 6". Mounting: side tap, face mount, side lug, front flange and rear clevis. Options: magnetic piston, external guide non-rotating



**Compact Longstroke™ Cylinders** are available in both square and round body styles with bores from 2" to 4" and strokes to 12". Their envelope is much smaller than standard tie rod cylinders.



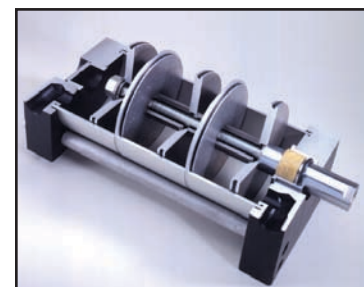
**NFPA Interchangeable Cylinders** have all the features, mounting styles and options. Standard oversized, nonmetallic composite rod bearings. **Composite cylinder tubes** are optional.



**Global Series™ Air Cylinders** offer the widest choice of models and options featuring non-lube service to 150 psi. •bores 12mm to 100mm •strokes to 150mm •NPT or metric ports •Metric or inch rod thread & mounting.



**F Series Interchangeable Cylinders** with thin wall stainless steel bodies offered in 12 bore sizes from 5/16" to 3", strokes to 32" have all the options •magnetic piston •adjustable cushions •complete corrosion resistance & more!



**Multi-Power® Cylinders** (cut-away shown) Multiple pistons attached to a common rod combined with internal air passages enables extremely high thrusts. Total effective piston areas range from 1.8 to 442 sq. in. Bores from 1-1/8" to 12".



**Hi-Power™ Cylinders** are available in three series designed for minimum overall length in relation to stroke. Bores 1-1/8" thru 12"; strokes to 12". Larger bores have 8 tie rods. Options include magnetic piston and more.



**Linear Slides** includes 6 families of linear slides, pick & place units, thrusters and thin parts placers. Cylinder bores range from 5/16" to 4". Guide shafts 1/4" to 1-1/2". Loads of options are available.



**Pneumatic Grippers** •SPG & LPG parallel jaw motion with strokes from 1/4" to 24" and forces to 400 lbs. at 100 psi. •GR & GS angular jaw styles with external open/close on-the-fly adjustment.



**Specialty and Control Valves** manual, electric, and air piloted: directional control valves 10-32 to 1/2" ports; shuttle, needle and flow controls; one-shot (pulse) valves; and adjustable interval delay valves.