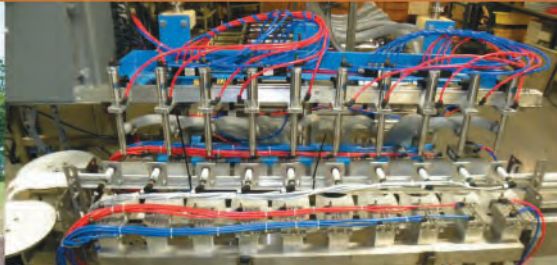




# PNEUMATIC CYLINDERS



**OEM HYDRAULIC CYLINDER SPECIALISTS**



# PNEUMATIC CYLINDERS

**RAM** Industries designs and manufactures pneumatic cylinders specific to your unique applications.

Pneumatic cylinders are powered using compressed air instead of hydraulic fluid. When lower power is required, these air cylinders are a reliable fluid power alternative to hydraulic cylinders. Pneumatic systems are known for having a longer operating life. They also have low maintenance requirements.

The RAM engineering team works closely with the experts in your operation to produce custom cylinders engineered for your OEM equipment requirements. Customization considerations may include:

- Pneumatic cylinders are available as single-acting and double-acting cylinders using one or two ports to operate. Single-acting pneumatic cylinders can be configured with an optional spring return or extension for use in unique applications.
- A range of barrel materials can be used for pneumatic cylinders, including stainless steel, aluminum and chrome plated on the inside barrel. These materials are corrosion resistant, which helps provide protection against moisture in the air.
- Rod thread lengths can be produced specifically to your requirements in applications where a standard mount is not used, including non-standard thread sizes. Rod extensions can also be manufactured with non-standard lengths.

RAM's custom approach ensures your pneumatic cylinders provided easy interchangeability with existing cylinders and meet fit and performance requirements for existing and new equipment.

Applications that incorporate pneumatic cylinders include:

- Material handling systems
- Agricultural and fertilizer applications
- Marine applications
- Medical equipment
- Automation equipment
- Industrial fixturing and clamping
- Food production equipment
- Packaging equipment
- Entertainment equipment
- Truck clutch and braking system components

Reach out to RAM's engineering department for your challenging applications so we can provide solutions that meet your specifications and expectations.

# BUILT TO YOUR SPECIFICATIONS

**Rated Pressure:** Up to 500 PSI

**Rod Size:** Starting at 1/2"

**Rod Material:** High tensile SAE C1045, ground and polished hard chrome plated

**Barrel Size:** From 1.00" to 14.00"

**Barrel Material:** Aluminum 6061-T6511 (ASTM B221), stainless steel 304, or high tensile SAE C1026.St52.3 cold drawn tube precision honed and chromed for extended seal life

**Gland Material:** Aluminum 6061-T6511 (ASTM B221) or aluminum bronze C95400-M07 (ASTM B505)

**Piston Material:** Aluminum 6061-T6511 (ASTM B221) or aluminum bronze C95400-M07 (ASTM B505)

**End Mounts:** Clevis, cross tube, flange or customized to OEM requirements

**Head Style:** Threaded or bolt-in

**Ports:** NPT

**Port Plugs:** High quality steel

**Internal Seals:** North American

**Paint Finish:** 2 part urethane black or custom colors

**Testing:** 100% full cycle tested





## **RAM** INDUSTRIES INC.

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