Precision. Accuracy. Repeatability. **Everytime.**
In the **wide web flexographic print industry**, you expect your suppliers to provide superior quality, outstanding service and product/design solutions that will **ENHANCE YOUR COMPETITIVE EDGE**.

That’s why at Great Lakes Cylinders, we exceed our customers’ expectations – everyday.

The company name may have changed, but our commitment to the flexo printing market is the same. For **40 years** as **New Hudson Corporation**, our dedication to providing quality cylinders and mandrels created **LONG-STANDING RELATIONSHIPS** with our customers. Today, we continue to manufacture precision toleranced cylinders that exceed **Press OEM** and **FTA First** requirements.

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**Cylinders for Superior Flexo Printing**

At Great Lakes Cylinders, our precision-toleranced cylinders and sleeve mandrels are designed and manufactured with the accuracy required to reduce the variables in your printing process. Among the many benefits our customers experience are better print quality, higher press speeds and shorter set-up times.

**Standards Second to None**

Every cylinder or sleeve mandrel from Great Lakes Cylinders is manufactured to your custom specifications. Not only can you count on getting the precision tolerance your high standards deserve, we record and provide you with detailed documentation of size control, TIR and balance results for every cylinder you order. Your most difficult print job will realize improved accuracy and reduced variability.

- TIR = .0004” max (mean value .0002”)
- Size Control = ± .0004” max (mean value ± .0002”)
- Dynamic Balance = ISO 1940 G2.5

**Materials/Design Options**

A variety of material options and design enhancements are available, including:

- Steel
- Thin wall steel
- Composite/Carbon Fiber
- Aluminum
- Internal air piping
- Chrome plating
- Nickel plating
- Sleeve end stops
- Pin registration
- High-strength journals
- Drilled for air
Air Mandrels

Great Lakes Cylinders’ precision air mandrels can be used with sleeves for flexo or gravure printing. Our design focuses on safety, cleanliness and speed. The results? Faster sleeve mounting and reduced set-up time.

Available in single- or multi-chamber designs, our air mandrels offer several advantages:
- One-second air charge time
- Two-second air bleed time
- Low air volume requirements
- Low maintenance cylinder body surface (chrome or nickel covering)
- Debris-free air feed system with internal piping
- Pressure vessel concerns eliminated

These cylinders feature a chrome plated, precision ground cylinder body and a corrosion-resistant internal air feed with a convenient air hookup location. Individual air hole locations provide for longer or multiple sleeves. Other features include a replaceable end stop or pin registration options, hardened inner races for bearing applications and high-strength journals for cantilevered requirements.

Gears, Hubs, Timing Disks and Bearing Sleeves

Great Lakes Cylinders can serve as a single source for your associated hardware requirements. Cylinders and the necessary hardware are shipped together — accurate, complete and assembled. To ensure you get your order on time and in top condition, Great Lakes Cylinders ships your cylinders and gears in custom shipping containers, designed to protect your order from damage.

Cylinder Retrofits/Upgrade Programs

With the advancement of sleeve usage, the accuracy of your existing cylinder inventory becomes more important than ever! Cylinder concentricity, TIR and size control tolerances are critical to proper sleeve fit and printing performance. Great Lakes Cylinders can provide the knowledge, experience and high-quality air mandrels that will make your sleeve program a success.
- Regrind/resize existing cylinders
- Drill existing cylinders for air
- Chrome Plate
- Dynamic Balance

For information please contact:

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