Founded in 1986, Goldenrod Corporation is a leading North American manufacturer of winding shafts, chucks and related equipment for the converting, paper, film, foil, textile and metals industries. The Goldenrod/Svecom partnership is the largest manufacturer of winding shafts, chucks, and shaft handling equipment in the world. We are truly a global company dedicated to one thing – serving the needs of our customers.

About Goldenrod

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Moving The Industry Forward

Today, Goldenrod and Svecom combine for more than 50 years of experience. We offer the greatest variety of roll-handling tools in the world, with a product list that includes state-of-the-art differential shafts, lightweight and ultra-lightweight winding and slitting shafts, reel spool shafts, chucks, safety chucks, and a complete line of shaft handling equipment. Our product achievements and close attention to customer needs have made us an industry pioneer, giving our competitors no choice but to follow our lead.

The Multiple Bladder Advantage

The defining feature of Goldenrod shafts is the multi-bladder design. This approach allows our customers to change the number of gripping ledges on the shaft for each specific application. Developed to solve problems caused by old-style lug and button shafts, the multiple bladder design is incorporated into Goldenrod shafts and chucks to provide years of trouble-free use and reliable operation.

Goldenrod is the industry leader in multiple bladder technology, offering over 50 multi-bladder variations.

Helping Our Customers Succeed

Our mission is to give our customers the tools they need to improve manufacturing efficiency and safety, increasing productivity, while reducing costs to the end user. This includes:

• "L"ong life, low maintenance and minimal downtime with our reliable and durable products
• "E"xtraordinary technical assistance, provided by trained local sales and service staff
• "A"gressive quality assurance and professional customer service
• "N"ew and innovative designs for high technology winding solutions

…and global sales and support, through our North American and worldwide network of technical personnel.

Goldenrod Corporation – The Leader in Multiple Bladder Technology, Offering Over 50 Unique Multi-Bladder Variations – More Than Any Other Company!
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Helping Our Customers Succeed
Our mission is to give our customers the best tools to improve manufacturing efficiency and safety, improving productivity in the long run.

• "L"ong life, low maintenance and minimal downtime with our reliable and durable products
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About Goldenrod Corporation
Goldenrod Corporation is located at 311 Industrial Drive, Beacon Falls, CT 06403, USA. For more information, call 1-800-465-3763 (GOLDROD) or e-mail info@goldenrodcorp.com. Visit www.goldenrodcorp.com for the latest developments in shaft technology.

Moving The Industry Forward
Today, Goldenrod is a worldwide company and serves customers in 35 countries. We offer a wide range of products — from lightweight single-blade designs to lightweight multi-blade shafts — as well as full technical assistance, from sales and service staff to customer service and engineering departments and all the way through to our sales and service networks.

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Engineered to support the highest roll weight of any Ca [unintelligible] Quick and easy setup – no spacers. Dramatically reduces setup time.

Benefits of Goldenrod
- Precise and repeatable alignment. DFX shafts are available in aluminum, carbon fiber, and steel designs for virtually any application.

The Difference
Differential Shafts – Goldenrod Lock differential shafts.
- Goldenrod’s Ca [unintelligible] and available in diameters of 3” to 12” and beyond.
- All metal rings (no plastic) are chrome-plated.
- Minimizes core dusting.
- Available in aluminum, steel, and carbon fiber.

Differential Shafts – Goldenrod's Ca [unintelligible]
- Designed to support m-[unintelligible] CL 1250-
- Ensuring a perfect unwind or rewind at high linear speeds.

Lightweight Shafts
- Eliminates need for core disposal.
- Metal ledges expand first to hold cores.
- All bladders filled through a single valve (LDBX), multiple bladder design – fast delivery, fast expansion, fast repairs.
- Bold-on journals available.
- Grips cores with almost twice the force of conventional chucks.
- 10 minute bladder repair backed by expanders protect bladders – razor proof.
- Stee [unintelligible] always deflates completely below the shaft surface.

Lightweight and economical base for both paperboard and corrugating markets.

Large Diameter / Mill-Body Shafts (Reel Spools)
- Torque requirements and steel cores.
- Wide variety of models and styles.

Maintenance costs
- Cost/Benefit Analysis
- External Bladder (Multi-ledge)
- Internal Bladder (Lug, Button or Leaf Style)
- Single Bladder Pneumatic/Mechanical Chuck
- Slitter Drive Shafts

Watch the Video at Goldenrod External Bladder (Multi-ledge)
- External Bladder (Multi-ledge)
- Internal Bladder (Lug, Button or Leaf Style)
- Single Bladder Pneumatic/Mechanical Chuck
- Slitter Drive Shafts

Watch the Video at Goldenrod Internal Bladder (Lug, Button, or Leaf Style)
- 3 hrs Labor @ $45/hr: $135.00
- 10 Minutes Labor @ $45/hr: $7.50
- Internal Check Valve System (LD) for uninterrupted rubber gripping ledges.
- Lug shafts and 6.75” models available
- No weak journal/body connections, so shaft can be [unintelligible] unslipped
- Completely surrounded and protected by metal

Cost/Benefit Analysis
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- Internal Bladder: $7.50
- Internal Check Valve System: $135.00
- Lug shafts and 6.75” models available
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Watch the Video at Goldenrod Single Bladder Pneumatic/Mechanical Chuck (The Chucks)
- Slitter Drive Shafts

Watch the Video at Goldenrod Multiple Bladder Chuck Adapter
- Metal edges expand first to hold cores.
- Available for standard corrugating and core-o-position knives.
- Machine arms exert side pressure against roll-centering and strong gripping
- Pneumatic/Mechanical Chucks
- Chuck Adapter
- Single Bladder Pneumatic/Mechanical Chuck (The Chucks)
- Multiple Bladder Chuck Adapter
- Chuck Adapter
- Single Bladder Pneumatic/Mechanical Chuck (The Chucks)
- Multiple Bladder Chuck Adapter
- Chuck Adapter
**Goldenrod Differential Shafts – The Difference is in the Details!**

- Quick and easy setup – no spacers. Dramatically reduces setup time and are available in sizes from 1” to 12” diameters and beyond.
- Precise and repeatable alignment. DFX shafts are available in aluminum, carbon fiber, and steel designs for virtually any application.

**Benefits of Goldenrod Differential Shafts**

- Differential width cores as narrow as 1” can be wound on the same shaft.
- Lock differential shafts. Goldenrod’s Cal-Lock system allows for 10 minute or less bladder changes and is in the Details!

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**Goldenrod Carbon Pultrusion Shafts – The Difference is in the Details!**

- The lightest weight, yet most rigid winding shaft on the market. Our patented n-fiber construction is in the Details!
- Journals seat into metal for strong connection.
- Extremely low inertia for the highest rotational speeds.
- Bladders can be replaced in 10 minutes or less.
- Shaft turned entirely from one piece of solid steel.
- Multiple designs for winding paper, film or foil with no core.
- Ensuring a perfect unwind or rewind at high linear speeds.

**Benefits of Goldenrod Carbon Pultrusion Shafts**

- Continuous rubber expanders extend journal bolts (slip differential) for excellent control of low tension web substrates.
- No weak journal/body connections, so shaft can be used at large diameters up to 1”.
- Adapters can be used in pairs or made as single-center bolt models.
- Several 3” designs with various diameter capabilities.
- Assembled with split collar mount.
- Manual unlocks and side lay adjustable models available.
- Larger diameters up to 1”.
- 0 to 90 degree adjustable Model 900 and 45 degree adjustable Model 450.
- Safety chucks with built-in web expander also available.
- Click to see maintenance video.

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**Expanding Shafts**

- Each Goldenrod shaft is customized to meet exact core and winding requirements to ensure productivity, and manufactured for long life and low maintenance.
- Multi-blade Shafts: Designed to provide maximum output with a minimum of parts. Each Goldenrod shaft is customized to meet your exact needs and requirements for increased productivity, and manufactured for long life and low maintenance.
- Lightweight Shafts: Designed for winding paper, film or foil with no core. Lightweight Shafts are engineered to handle low tensions and high roll weight at the same web tension.
- Pulley Drive Shafts: Designed specifically for the pulley drive system. Pulley Drive Shafts are designed specifically for use with pulley drive systems.
- Roller Centering Shafts: Designed to provide maximum output with a minimum of parts. Roller Centering Shafts are designed to provide maximum output with a minimum of parts.
- Coreless Shafts: Designed to provide maximum output with a minimum of parts. Coreless Shafts are designed to provide maximum output with a minimum of parts.

**Ease of Maintenance for All Torque Expanding Shafts**

- See For Yourself – Bladder Replacement In 2 Minutes.
- Watch The Video at See For Yourself – Bladder Replacement In 2 Minutes.
- Total Cost per Repair: $32.50.
- Bladder & Fittings: $25.00.
- Internal Bladder (Lug, Button or Leaf Style).
- 10 Minutes Labor @ $45/hr: $7.50.
- Bladder & Fittings: $65.00.
- Example Application: Paperboard markets.
- Multiple Bladder Designs: Inclined planes, providing perfect gripping power exerted in either direction.
- No tools or air pressure required.
- Uses web tension to expand; no core.
- Flange mounted or single center bolt mounted.
- Simple design eliminates wearing parts.
- Several 3” designs with various diameter capabilities.
- Available for standard corrugating and sheet operations.
- Multiple Bladder Chucks: Square, V-square, wheel, triangle and socket sizes available from inventory.
- Adapters can be used in pairs or made as single-center bolt models.
- Possible to double or triple the number of expanded cores on the shaft.
- Assembled with split collar mount.
- Manual unlocks and side lay adjustable models available.
- Larger diameters up to 1”.
- 0 to 90 degree adjustable Model 900 and 45 degree adjustable Model 450.
- Single Bladder Pneumatic Chuck Adapter (Tire Chucks)
- Lightest weight, yet most rigid winding shaft on the market.
- O-ring and flange designs also available.
- 10 Minute Labor @ $45/hr: $7.50.
- Bladder & Fitting: $25.00.
- Internal Bladder (Lug, Button or Leaf Style).
- Torque: 10 lbs.
- Stainless Steel (Nylon, Polypropylene, Polyethylene, High Density Polyethylene, Polyurethane, PP/PE/PEX).
Goldenrod Differential Shafts – The Difference is in the Details!

Quick and easy setup – no spacers. Dramatically reduces setup time.

Differential Shafts are the most flexible differentials in the industry, featuring superior tension range and Goldenrod’s patented expanding core stops for Differential Shafts – Goldenrod.

- Available for core ID’s as small as 1” in diameter
- Minimizes core dusting
- Prevents loping and allows higher winding speeds
- Greater expansion for easier core handling
- Improved finished roll quality (low wrinkles)
- Grips cores with almost twice the force of other comparable products
- Steep backed expanders protect bladders – razor proof
- Excellent for foils or metallized films
- Always deflates completely below the shaft surface
- Eliminates need for core disposal
- All bladders filled through a single valve (LDBX), eliminates need for manual loading and unloading (3/8” or more)

Roll Centering Shafts

- Multiple designs for winding paper, film or foil with no core.
- Lightest 3” and 6” aluminum shafts on the market
- Strong patented designs and materials meet safety requirements
- The industry’s most popular performance-driven pneumatic shaft.
- Eliminates need for core disposal
- All bladders filled through a single valve (LDBX), eliminates need for manual loading and unloading (3/8” or more)

Milled Body Shafts

- Multiple bladder style body is ground, chromed and hardened steel ends
- Available in steel, aluminum or steel-sleeved carbon fiber
- All aluminum construction with customized sheet operations
- Simple maintenance – multiple bladder design
- Each shaft features three rows of external gripping elements along the entire length of the shaft
- No tools are needed to rotate the shaft body
- Reduced changeover time
- Numerous core adapters in stock
- Shaft is used 3 shifts per day
- Lowest deflections. Low inertia. Highest critical speeds. Lightweight and strong
- Fits all applications
- Maintenance costs

Goldenrod Carbon Pultrusion Shafts – The Difference is in the Details!

All Goldenrod multiple bladder shafts feature patented technology and materials that provide the ultimate in efficiency and performance.

Benefits of Goldenrod Carbon Pultrusion Shafts

- New technology – even higher performance
- Ultra-light and strong lightweight carbon fiber shaft
- Multiple rows of gripping elements along the entire length of the shaft
- Multiple bladder design
- U-shaped wedge, square, V-squares, and VO squares/round sockets
- Multiple Bladder Chucks Adapter
- Available for all applications
- Torque Chucks
- Chuck Adapter
- Expanding Chucks

Expanding Shafts

Each Goldenrod shaft’s coiled spring expander is wound to exact winding requirements to ensure maximum durability, and ensured to be free and true movement.

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Multiple Bladder Chucks Adapter

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- Expanding Chucks

Pneumatic/Mechanical Chucks

- Chuck Adapter
- Expanding Chucks
- Torque Chucks
- Chuck Adapter
- Expanding Chucks

Easy to maintain. Any installation. No tools required. Simply adjust the knob.

Lowest Deflections. Low Inertia. Highest Critical Speeds. Lightweight and strong

Goldenrod manufactures the industry’s only carbon fiber multiple bladder shaft – The Difference is in the Details!

EASE OF MAINTENANCE

For All Dual-Bladder Shafts

Torque Chucks

- Chuck Adapter
- Expanding Chucks
- Torque Chucks
- Chuck Adapter
- Expanding Chucks

Cost/Benefit Analysis

External Bladder: $30.00
Goldenrod External Bladder Maintenance cost:

- Replacement cost: $45.00
- 3 parishes at $45.00:
- 3 hrs labor @ $45.00/hr:
- Bladder & Fittings: $25.00
- $135.00

Pneumatic/Mechanical Chucks

- Chuck Adapter
- Expanding Chucks
- Torque Chucks
- Chuck Adapter
- Expanding Chucks

Single Bladder Pneumatic Chucks (Air Chucks)

- Chuck Adapter
- Expanding Chucks
- Torque Chucks
- Chuck Adapter
- Expanding Chucks

Blades & Fittings: $25.00
Goldenrod External Bladder (Multi-ledge)

- Replacement cost: $45.00
- 3 parishes at $45.00:
- 3 hrs labor @ $45.00/hr:
- Bladder & Fittings: $65.00
- $165.00

Blades & Fittings: $65.00
Internal Bladder (Lug, Button or Leaf Style)

- Replacement cost: $45.00
- 3 parishes at $45.00:
- 3 hrs labor @ $45.00/hr:
- Bladder & Fittings: $65.00
- $180.00

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Internal Bladder vs. Goldenrod External Bladder

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Goldenrod is the industry leader in multiple bladder technology, offering over 50 unique multi-bladder variations.

Helping Our Customers Succeed
Our success is a direct result of serving our customers. For this reason our staff understands the importance of providing excellent customer service.

• High-quality, low-maintenance and minimal downtime with our reliable and durable products
• Extensive technical assistance, provided by trained local sales and service staff
• Exceptional quality assurance and professional customer service
• New and innovative designs for high-performance winding systems
• The multiple bladder design is used in high-speed winding systems worldwide

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Helping Our Customers Succeed

Our mission is to give our customers the tools they need to improve manufacturing efficiency and safety, minimize maintenance, and increase productivity. To this end, we offer:

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