

FEEDSCREWS AND BARRELS

Windsor Feedscrews is a full service manufacturing facility. We offer a complete range of screws, barrels and front end components and are large enough to handle the most complex designs in sizes up to 7.5 meters (25 feet) in length by 30 centimeters (12 inches) in diameter.

Whether it is a new, rebuild, or repair screw or barrel, Windsor Feedscrews is dedicated to meeting the needs of its customers. Customer satisfaction is priority number one at Windsor Feedscrews.

That is why we are focused on providing uncompromised quality and service. We are continuously searching for process improvements and ways to be more efficient and effective.

For our customers this means that projects are delivered on time, to the tightest tolerance, and within budget.

Our Full Range of Services and Capabilities Includes:

- Computer Enhanced Design-Build Capabilities
- Experienced Engineering Services
- Screw and Barrel Repair/Rebuild
- Upsizing/Downsizing
- Front End Components: Non-Return Valves, Screw Tips, Barrel End Caps
- Heat Treating and Plating
- CNC Milling and Whirling
- PTA Welding
- Hydraulic Screw Straightening



Mile Ostojic
President/Owner

Screw Material Selection

To help you get the longest operational life from our feed screws with minimal downtime, we start with the best grades of bar stock metals:

- AISI 4140, AISI 4340
- Nitralloy 135M
- Stainless 17-4PH, 416, 316, & 304 Steels
- Tool Steels D-2, H-13, CPM-9V & CPM-10V

Heat Treating and Plating

To ensure surface integrity throughout the operational life of the screw, at Windsor Feedscrews, we heat treat and plate our metal surfaces.

Surface heat and plating treatment includes:

- Flame Hardening and Thru-Hardening
- Precipitation Hardening for Stainless Steel
- Ion Nitriding
- Industrial Hard Chrome
- Hard Facing (Stellite or Colmonoy)
- Carbide Coating

Barrels

We offer a full range of single barrels for injection molding, extrusion molding, blow molding and rubber processing. Depending on your abrasion and corrosion resistance requirements, Windsor Feedscrews can offer new barrels built using bimetallic, tool steel or nitralloy. Windsor Feedscrews also offers barrel repair services including honing, short-sleeving and relining.



At Windsor Feedscrews, we specialize in the manufacturing, repair and rebuilding of injection, extrusion, blow molding, and rubber processing screws and barrels.

Windsor Feedscrews offers a complete range of screws, barrels and front end components for a wide variety of industries including plastics, rubber, food, and many more.

TECHNOLOGY



Weingartner Maschinenbau

6 Axis Modular Universal CNC Whirling/Milling machine

Computer-Aided Machining Equipment

Windsor Feedscrews is focused on changing with the times. Our technical capabilities include: Weingartner Maschinenbau - 6 Axis Modular Universal CNC Whirling/Milling Machine. Multiple cutters on the whirling head accelerate manufacturing time and combine several options into one step. In addition to the whirling head, the milling head accurately cuts your drive and mixer to exact specifications.

Computer- Aided Design

Modern advances in feed screw design have created extremely complex machining requirements. That is why at Windsor Feedscrews, our engineering department utilizes WEINCAD SCREW DESIGNER® software. The best in industry software, WEINCAD offers accurate and precise programming and designing.

Our engineering department can accept your designs in any format and in any state of completion. Our experienced designers can help you resolve the most demanding material application. We can manufacture finished screws from paper prints, models or even broken screws.

The newest addition to Windsor Feedscrews is the Racer CNC Milling Machine. The Racer utilizes patented Phantom Technology™ which greatly reduces cutting time while still maintaining precision and performance.

To our customers, the purchase of a new CNC machine means increased capacity thus making us better able to meet your delivery needs, as well as insuring our product is manufactured to your precise specifications.



RACER MACHINERY

CNC - RMC 6000 Feedscrew Machine



WINDSOR FEEDSCREWS INC.

5140 HENNIN DRIVE OLDCASTLE, ONTARIO NOR 1L0
PHONE (519) 737-7222 • FAX (519) 737-7170 • SALES FAX (519) 737-1345
www.windsorfeedscrews.com

WINDSOR FEEDSCREWS INC.

