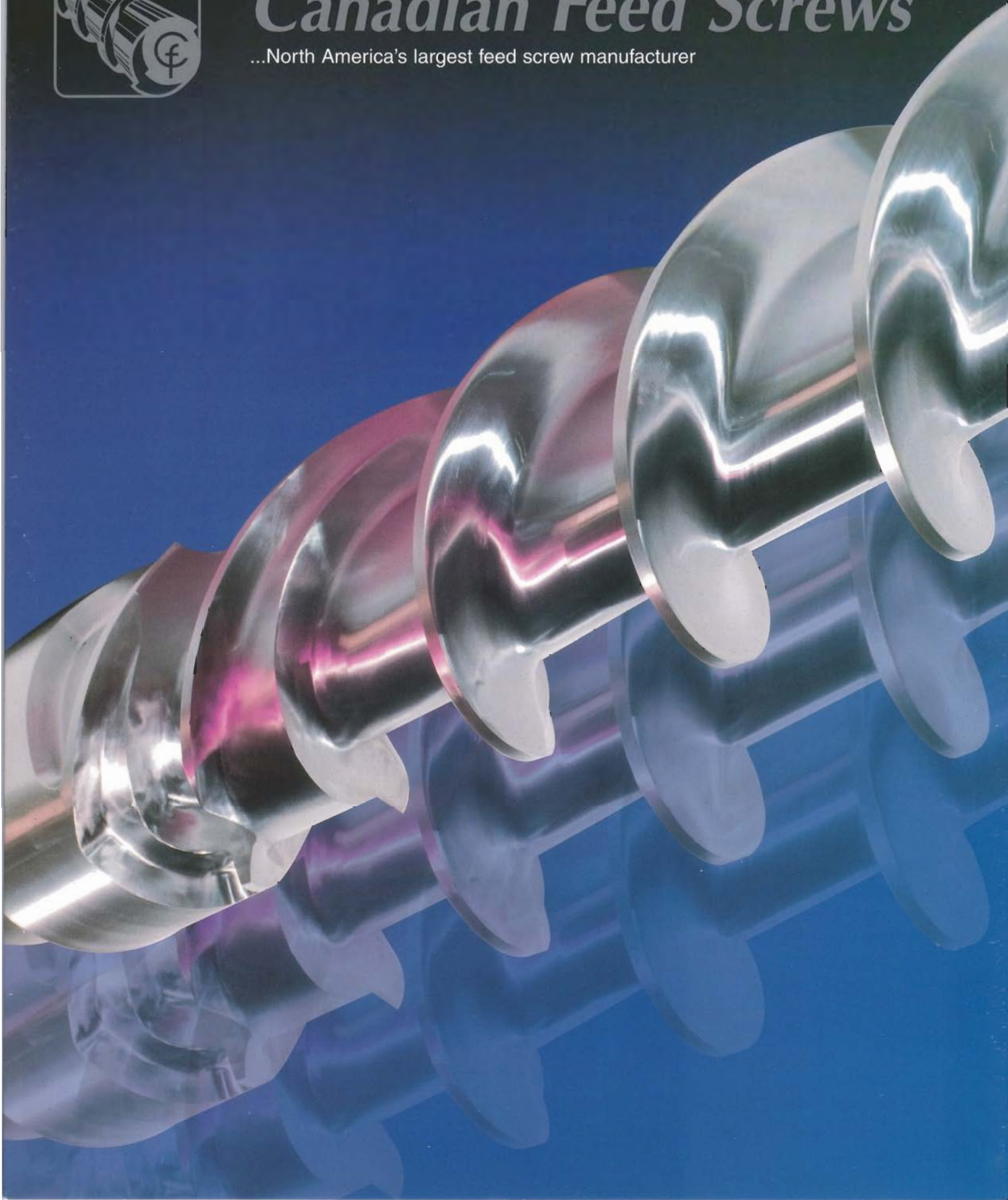




Canadian Feed Screws

...North America's largest feed screw manufacturer



The President's Message

Established in 1975 as a one-man-operation, Canadian Feed Screws is proud to be the largest feed screw manufacturer in North America.

We have the experience to supply the largest and most complex screws the industry may require. Hard work and innovations has given us access to the international sector which we provide with the highest quality.

We are constantly upgrading our equipment to keep abreast of the latest technology. Our technical staff is highly qualified and take pride in their personal contribution to the success of the company. Computer integrated CNC machining has become part of our operation, ultimately it is the individual craftsmanship which shapes the final product.

Uncompromising quality, cost efficiency and on time delivery will always be our top priorities. My personal assurance is part of this commitment – unchanged from the time I started the Company!



Computer-integrated CNC milling and turning of high precision components has become part of our daily production.

Complete production facilities

Our comprehensive production facilities enable us to perform the entire manufacturing process in-house. Whether new or rebuilt, we utilize both CNC and traditional methods to achieve the highest international standards.

- Feed screw cutting machines over 12 m (39 ft.) long x 62 cm (22 in.) diameter
- CNC milling and turning
- Welding of hard facings
- Heat treatments (ion-nitriding, thru hardening)
- Chrome plating max. length 8.5 m (28 ft.)
- Deep hole boring/trepanning
- Honing/EDM machining
- 200 and 500 ton presses



PTA and traditional welding are done on the premises. Colmonoy #56 hard facing is being applied to a 12" densifying screw.

Chris K. Vasilev

Your preferred source for quality feed screws

We specialize in manufacturing and rebuilding feed screws of every type and size: Extruder Screws – Injection Molding Screws – Blow Molding Screws – Twin Screws – Foam Screws – Continuous Mixer Screws – Densifying Screws – Rubber Processing Screws – Food Processing Screws. Regardless of size, application or complexity, Canadian Feed Screws has the expertise and the technology to provide the industry with the highest quality screws on the market.

*Reconditioned
120 mm twin
screws with
ion-nitrided
twin barrel.*



Any barrel you may require

Canadian Feed Screws has the capability to manufacture barrels of every type and size for any industrial application. We are a major supplier of extrusion, injection molding and blow molding barrels. A large inventory of general-purpose, semi-finished, bimetallic and ion-nitrided barrels are kept in-stock, making a quick delivery possible for standard or custom orders. Super-hard and corrosion-resistant barrels are available. We also offer full repair service including honing, short sleeving and relining of feed throats.



CNC controlled grinding machine, capable of handling screws up to 6 m (18 ft.) long and 79 cm (20 in.) in diameter.

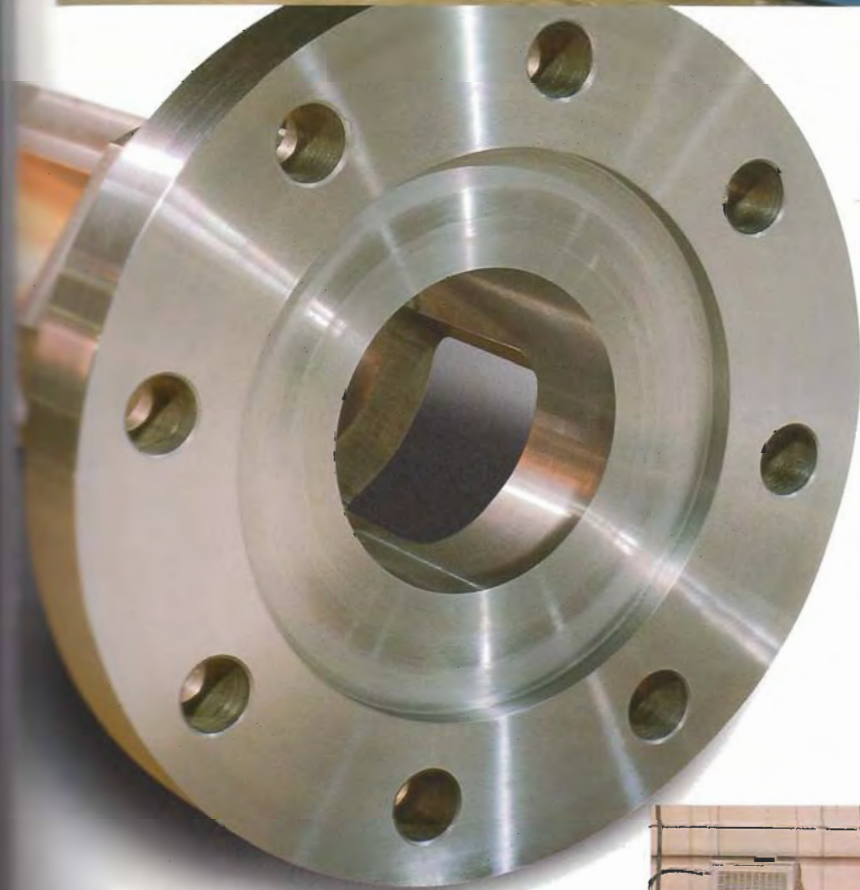
Only the best materials used

High performance feed screws begin with high quality materials! Top grade metals are: Alloy Steels, Stainless Steel, CPM-9V or CPM-10V Steel, Tool Steel and European Specialty Steels.





State-of-the-art whirling and milling machine used for the fabrication of single stage extrusion screws, barrier mixing screws, co-kneader sections, conical/cylindrical twin screws etc. This machine enables us to cut down production time considerably.



The best hard facings applied

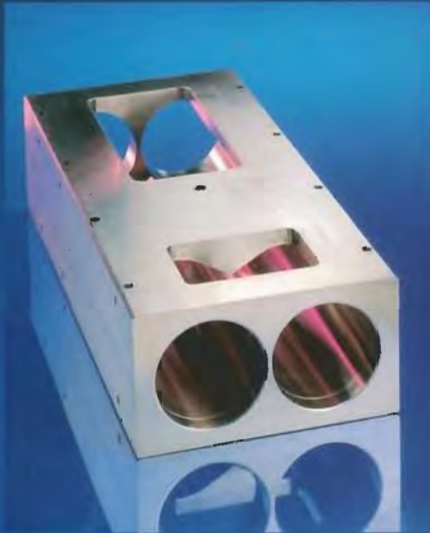
A variety of hard facings are available to be applied to the flights. Screws in today's industry are being worked harder and in severe conditions and therefore tend to wear at a greater rate. Our experience with this has given us the knowledge to suggest an alternative hard facing which will prolong screw life. We will propose the appropriate application to suit your specific needs. Common hard facings and treatments applied at our premises are: Colmonoy – Stellite – Tungsten Carbide – Ion-Nitriding and Chrome Plating.



We operate two of the largest computerized ion-nitriding furnaces in North America. Ion-nitriding is an environmentally friendly process. Nitrided parts maintain a smooth, non porous, clean surface without distortion. The maximum hardness attainable is 70 Rc. Virtually any hardenable material can be successfully nitrided. We not only nitride screws and barrels, also pistons, molds, tie-bars, rotors etc.



Large production facilities are located in Toronto, Canada and in Akron, Ohio, USA.



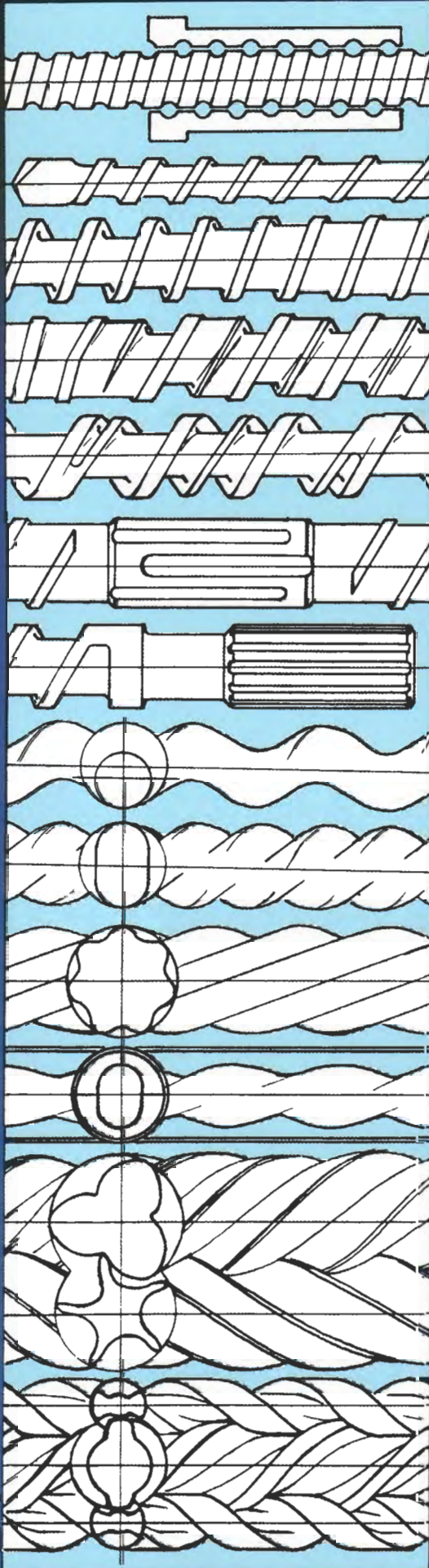
Bimetallic twin barrel.

Success through teamwork

A generation of high precision screws, barrels and related components has emerged from the manufacturing facilities of Canadian Feed Screws. We are proud to be a leader in a highly specialized industry. As a close knit team, we are committed to produce the highest quality products, worldwide.



Twin screw segments and injection tips.



CAD/CAM computer system aids in the preparation of CNC machine programming. We are committed to incorporate the latest technological advances into our manufacturing operation.

Design and Engineering

Our engineering department has more than 30 years of experience in the field of plastic machinery design and fully understands their needs. We have worked closely with several Fortune 500 companies in a joint effort to design, engineer and fabricate a new screw to solve numerous shortcomings of their current designs. We have therefore developed our own line of screw designs which can be tailored to suit your particular application.

It is a line of high performance screws with improved output rates, melt quality, pressure stability, mixing quality and reduced screw wear.

Typically, our "Melt Master" design can produce 20-30% more LBS/HR/RPM than a conventional model. Quality improvements are evident as well as a 40% increase in production efficiency.

Our design department is an integral part of our operation. We manufacture our parts to the highest O.E.M. specifications, stand behind the parts we produce and provide long term support of our products.

Quality and satisfaction you can rely on!

Call us today!



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