

**The most advanced
silicone extruders
available on the
market today.**



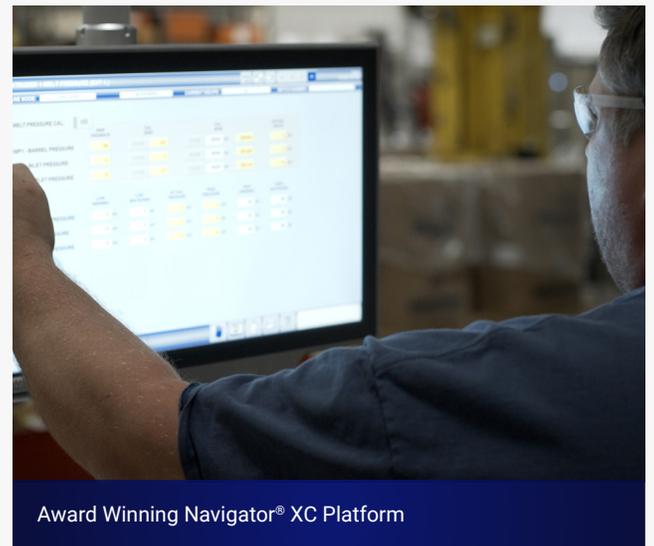
These machines feature multiple innovations that provide dramatic improvements in process performance, serviceability, and longevity:

- Unique Feed Roll Design
- Easy Removal of Feed Roll
- Wide Feed Opening
- Magnetic Particle Clutch (0.75" - 2.00")
- Pneumatic Clutch System (2.50" - 4.50")

Ultra R/S Extruders for Silicone

ULTRA R/S Silicone extruders are fixed horizontal extruders ranging from 0.75" to 4.5" diameter, typically 12:1 L/D. They come standard with high efficiency bolt-on cast aluminum double-pass barrel coolers.

The ULTRA R/S Silicone machines feature a unique easy open roller feed section. This proprietary design enables unprecedented access for cleaning and scraper blade adjustment. The ULTRA R/S is well suited for all extrusion applications including precision tubing, profiles, sheet, wire & cable, etc. They may be mounted on wheels with or without track, with or without some limited height adjustment.

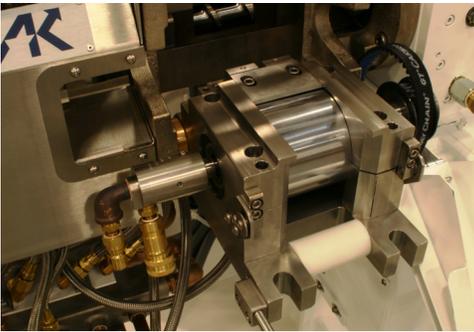


Award Winning Navigator® XC Platform

We offer the following commercial advantages:

- No Risk Guarantee - for peace of mind
- Three Year *Warranty -for extended coverage (extruder only)
- 24/7 Service -for fast response
- Wet Testing Prior to Shipment -for proven performance
- Free Spare Parts -for reduced downtime
- Fair Spart Parts Pricing -for low long-term cost of ownership

* for systems with North America and Europe, consult the factory for more details



Unique Feed Roll Design

The proprietary hinged roller feed assembly opens by loosening two simple swing bolts to provide total access for common service and maintenance. The scraper blade is also easily accessed for adjustments or removal. The casting is nickel plated. The hinged arm and hardened feed liner are stainless steel for abrasion and corrosion resistance. A standard drive belt provides reliable power transmission to the feed roll.

There is an integral water cooling jacket in the feed section casting and the chrome plated hardened feed roll is also internally cooled. A second hinge opens to provide easy removal of the feed roll and bearings for service.

Feed roll bearings feature special seals to minimize silicone contamination and are easily accessed for thorough cleaning. Spare feed rolls and bearings can be provided for quick rotation during material/color changes. This, in turn, enables unprecedented fast change-overs between runs. The extra wide feed opening enhances flexibility for processing.

The barrel cooling system features cast aluminum bolt-on water jackets with cast-in double pass cooling tubes for maximum heat transfer. Internally cooled hardened and polished screws further enhance processing consistency, minimize gauge variation, and maximize product quality.

Independent Roll Drive

The feed roll is independently driven with an AC vector or Servo motor connected to an inline helical gearbox. The final connection from the gearbox to the feed roll is a timing belt. Control of feed roll speed & torque is independent of screw speed for maximum process control. This design eliminates the need for a clutch type system which reduces maintenance cost and improves process flexibility. All serviceable drive components are non-proprietary and readily available on the open market.