

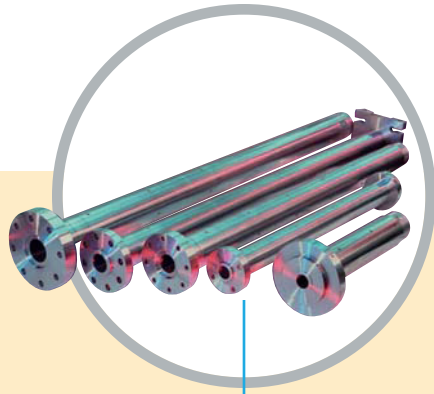
In today's competitive market, making a superior blown film product at maximum productivity levels and the lowest possible cost is paramount in growing your business, increasing profits and meeting your overall business objectives.

Nordson XALLOY has over 84 years of experience engineering innovative solutions that specifically enhance the extrusion process. Nordson XALLOY manufactures the most technologically advanced barrels, screws, screen changers, gear pumps, static mixers and rolls that are designed specifically to optimize sheet production.

Whether it is designing single components or integrating elaborate systems, Nordson XALLOY has the ability to provide engineered solutions that take your process to its maximum level of performance.

**The production of quality blown film products is your business.**

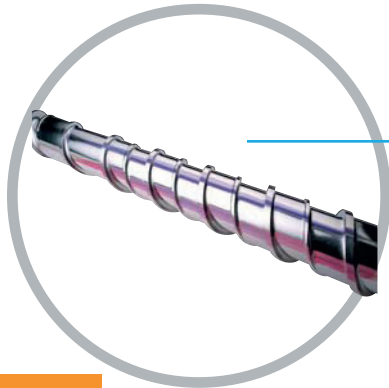
**Helping optimize your extrusion process is Nordson XALLOY's business.**



## Barrels

- Composition: Tungsten carbide particles uniformly dispersed in a corrosion-resistant nickel alloy matrix
- Outstanding resistance to both abrasive wear and corrosion
- Essential for extrusion of hard-to-melt materials such as HMW-HDPE or LLDPE and of highly filled abrasive materials such as those containing 25% or more of mineral fillers (calcium carbonate etc.) or glass fibers
- Resists corrosive attack by aggressive volatiles released by polymers or additives

Meet the needs for wear and corrosion resistance for more than 90% of all extrusion requirements.



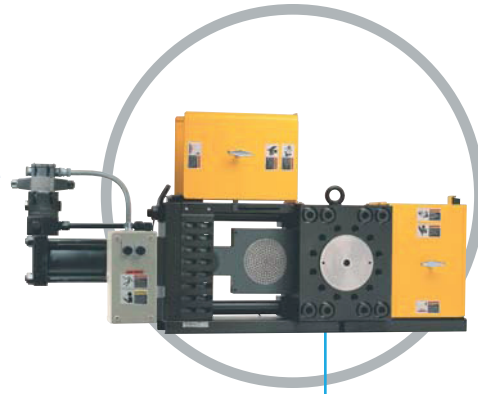
## Screws

- OEM replacements
- Featuring high performance screw designs
- Optimized processes for all resin applications
- Vented applications and L/D conversions
- Various hardsurfacing materials and coatings available to protect against wear and corrosion

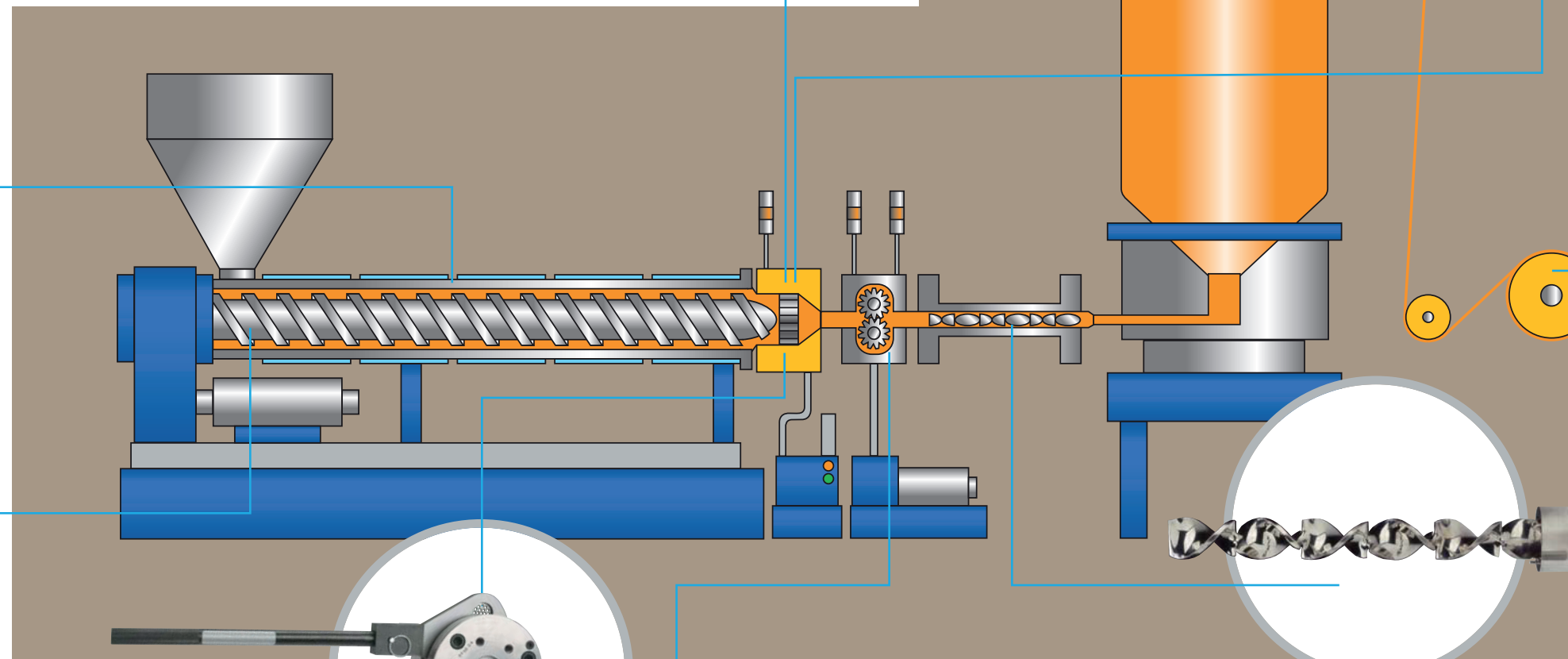
Maximize extrusion throughput, product quality and component life.

## Hydraulic Screen Changers

- On-the-fly screen changes in less than a second
- Pressure activated seal technology – guaranteed leak free
- Flexible extruder mounting options for easy installation
- Safety first designs ensure simple, safe operation
- Rheologically optimized breaker plate design
- Positive screen retention for single or co-extruders
- Screw pull-through design on all sizes



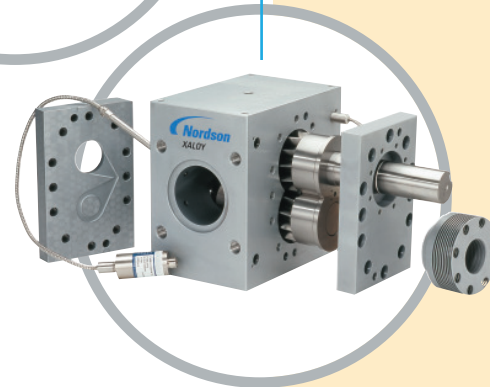
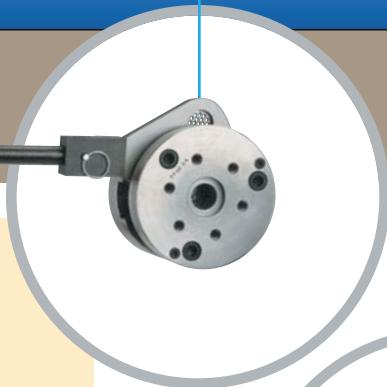
The best filtration solution for processes that do not require continuous operation.



## Manual Screen Changers

- Leak free - pressure activated seal technology
- Extruder screw pull through
- Bolt-tough extruder connection
- Space efficient compact design
- Ergonomic three position handle

The low cost solution for processes requiring infrequent changes.



## Gear Pumps

- Precise metering of polymer to the die
- Increased yields - better product from less polymer
- Immediate material savings
- Faster line start-ups
- Ability to run up to 100% regrind with accurate volumetric control
- Lower processing temperatures
- Higher throughputs
- Optimized screw and pump designs for specific polymers

Getting "on-spec" product has never been faster!

## Static Mixers

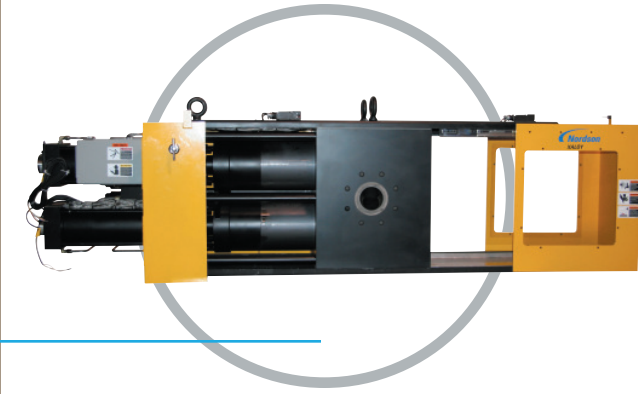
- Provides thermal homogeneity and color mixing for improved product quality
- Motion-less mixing elements eliminate laminar flow and thermal gradients
- Improved dimensional control of the finished product
- Faster color changes
- Uniform cell distribution in foamed products

Low-shear mixing provides uniform temperatures and consistent flow rates through the die.

## Continuous Screen Changers

- Increased filtration area
- Lower inlet pressures
- Longer operating time between screen changes
- Maintenance-free seal-less design
- Precise, repeatable screen changes with automated control
- Increased line productivity

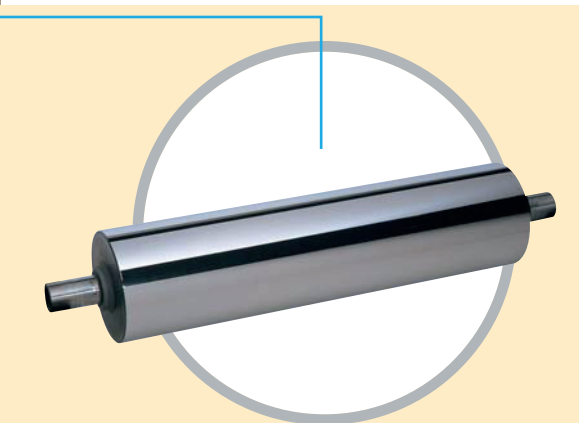
The best filtration solution for maintaining productivity during screen changes.



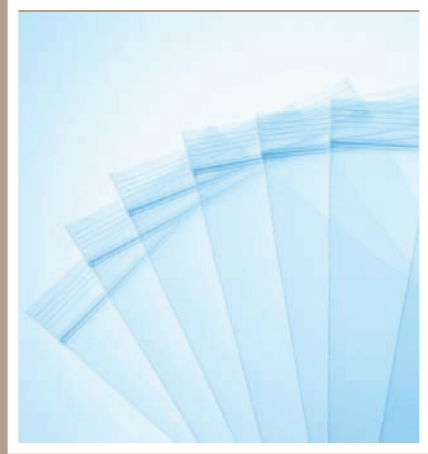
## Heat Transfer Rolls

- Improved heat transfer to maximize line speeds
- Improved product uniformity +/- 5° Temperature Delta across the face
- Up to 800 PLI Nip Pressure with minimal deflection
- Full range of mirror and matte chrome finishes

High, uniform heat transfer with minimal pressure drop.



# Solutions through Innovation



## Engineered Solutions:

Nordson XALOY systems are designed specifically to optimize your blown film process and configured to meet your operational needs.

Markets & End Products	Typical Polymers
Aerospace/Aircraft	ABS
Agriculture	BioPlastics
Automotive products	BOPP, PP
Bags	EVA
Construction	EVOH
Consumer	HDPE
Flexible packaging	LDPE
Food packaging	LLDPE
Geomembranes	Metallocenes
Industrial	Nylons
Marine	PP
Medical	TPO
Military films	TPU
Retail	
Shrink film	

## Customer Support Services:

### Parts & Repairs:

Whether it's routine preventive maintenance or unexpected failures, Nordson XALOY is prepared to support your needs with:

- Original after-market parts
- Evaluation, rebuild and repair services
- Expedited services when you need immediate repairs

### Technical Services:

Improve productivity and minimize down-time by leveraging Nordson XALOY's technical service expertise.

- Product, process technology and application support
- On-site diagnostic and repair support
- Inspections and preventive maintenance support
- New equipment commissioning & training support
- 24/7 Emergency Support
- Two full time laboratories

