

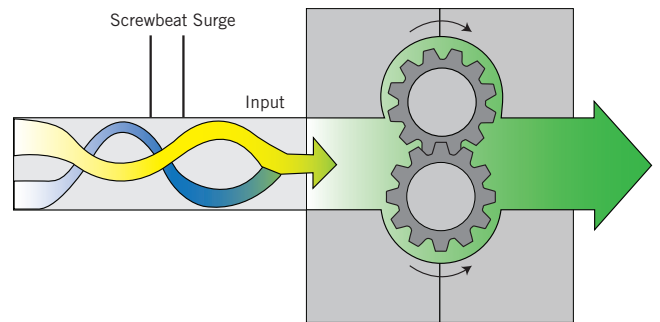
ZENITH PRECISION EXTRUSION GEAR PUMPS

FOR IMPROVED UNIFORMITY AND ACCURACY IN MEDICAL TUBING

You demand precision and repeatability from the metering gear pumps you invest in. To ensure quality and repeatability in medical tubing, producers must control extruder variations such as pressure fluctuations, wide viscosity ranges, and density changes.

THE ZENITH SOLUTION

By utilizing a Zenith Precision Extrusion Gear Pump on a medical tubing line, manufacturers can more effectively control the melt delivery to downstream equipment. The pump meters the flow through the die thus achieving a controlled melt quality and reduced melt temperature, ensuring a product that's reliable, repeatable, and economical. Additional benefits are reducing the back pressure on the extruder to minimize resonance time and stabilize the plasticizing action of the extruder.



SIMPLY BETTER

The Zenith Extrusion Pump Line incorporates a design that meets or exceeds industry requirements for precise, accurate performance, while significantly reducing the time and cost of maintenance. Enhancements include:

- ◀ Long life and robust construction with hardened tool steel
- ◀ Assembly time reduced by nearly 90 percent, with 50 percent fewer parts
- ◀ No small parts or special tools required
- ◀ Reduced part damage, simpler assembly, and less leakage with evolutionary B-Bearing design
- ◀ Interchangeable with existing designs for easy upgrades
- ◀ Patented B shaped bearing ensures proper assembly of the pump
- ◀ Highest metering accuracy in the industry
- ◀ Widest range of materials of construction
- ◀ Patented seal arrangement



**FASTER
CLEANING TIMES**

REDUCES
ASSEMBLY
TIME
BY UP TO

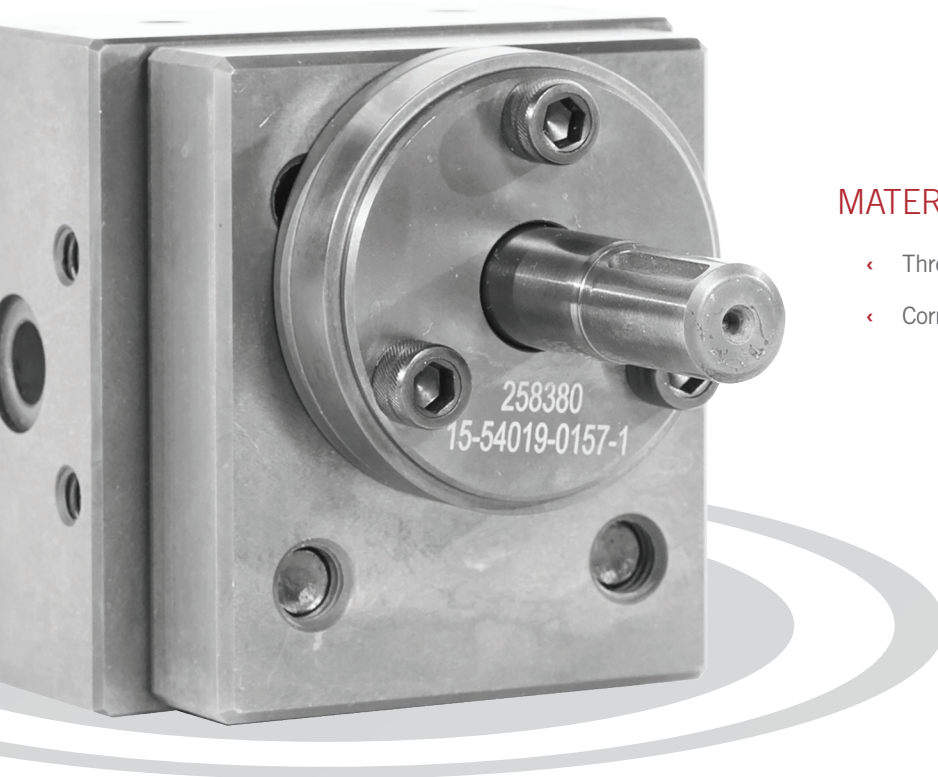
90%

50%

WITH
**FEWER
PARTS**

HOW YOU BENEFIT

- A. Improved Dimensional Stability
- B. Increased Productions
- C. Controlled Melt Quality
- D. Streamlined Operation and Start-up
- E. Reduced off-spec product
- F. Reduced Energy Consumption
- G. Increased Extruder Flexibility
- H. Improved Gage Control
- I. Greater Process Uniformity
- J. Improved Product Quality



MATERIALS OF CONSTRUCTION

- ◀ Through hardened tool steel
- ◀ Corrosion resistant nickel and cobalt alloys

“ Since installing the *Zenith BBPEP pump* in our medical tubing extrusion lines, we have greatly reduced our maintenance time and have seen an improvement in the quality of our product ”

————— **ROBERTO G.** —————

ZENITH PRECISION EXTRUSION GEAR PUMPS ARE JUST THE BEGINNING.

Our wide range of precise, pulse free fluid-handling systems along with our unmatched industry expertise can make a real difference to your entire operation.

To see what we can do for your operation or to find out which Zenith pump or system is right for you, go to www.zenithpumps.com

Go to <https://youtu.be/ImYML7li8F8> to see how the Zenith BB-PEP pump can reduce assembly time by up to 90%



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