

Benefits of the Pump in the Extrusion Process

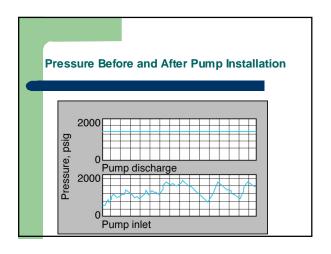
• Elimination of surging and and surge related defects in extrudate quality, resulting in higher yield per pound

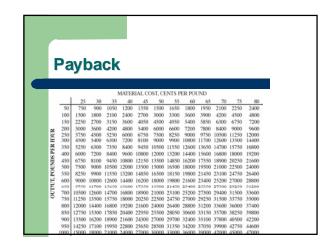
• Faster start-ups and repeatable linear output flow

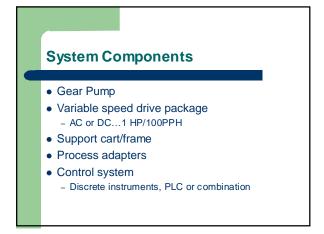
• Ability to run higher concentrations of regrind and off-spec materials

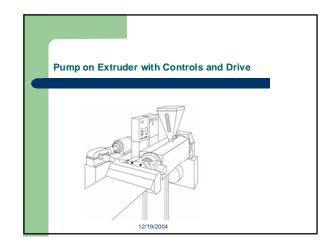
• Multiple profiles from the same extruder

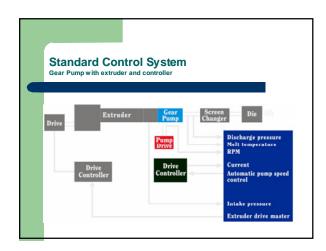
• Generation of pressure needed by downstream devices

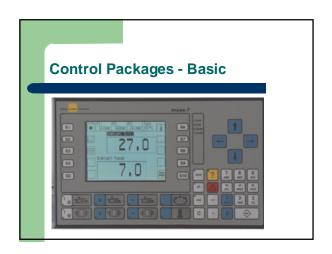


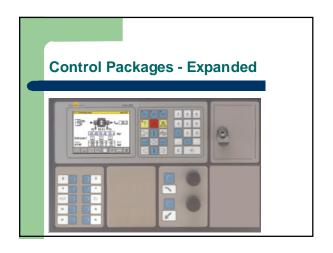


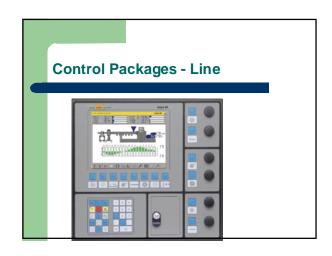


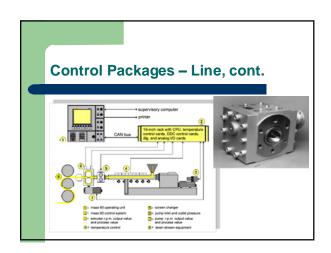


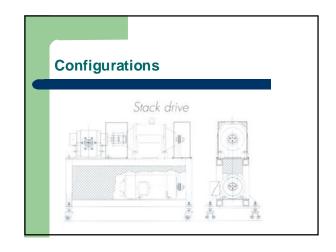


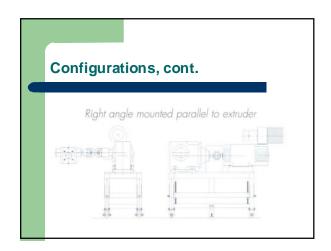






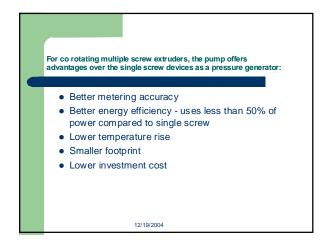


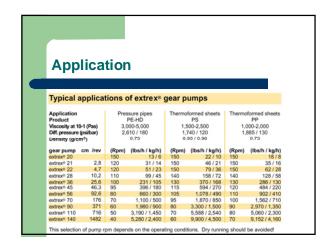


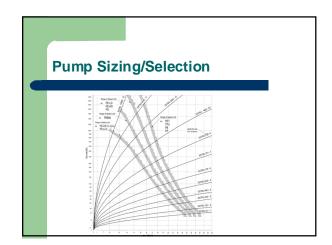


Extruder Types

• Single Screw - Fair mixing, good pumping, questionable metering abilities
• Counter rotating twin screw - Good pumping, poor mixing
• Co rotating twin screw - Good mixing, poor pumping









Extrusion Pump Suppliers		
Company	Gear Pump Products	Location
JLS International	Pump Systems, Static Mixers, Screen Changers, Filtration Systems	Charlotte, NC
Dynisco Extrusion	Pump Systems, Static Mixers, Screen Changers	Hickory, NC
Kreyenborg GmbH	Pump Systems, Static Mixers, Screen Changers	Lawrenceville, GA
PSI - Polymer Systems, Inc.	Pump Systems, Static Mixers, Screen Changers	Hickory, NC
MAAG Pump Systems	Pump Systems, Static Mixers, Screen Changers	Charlotte, NC