

# STREAMLINE EXTRUSION, INC.

The StreamLine® CON-STAK (CONical-STAcKable) Series Spiral Multi-Layer Extrusion Dies for tube, pipe and hose products have many of the quality design features that make StreamLine design, engineering and manufacturing world famous. Three standard family sizes are available for up to five-layer product.

## Rugged Construction

- Carpenter Custom 630™ (17-4PH) stainless steel, heat treated to 44 Rc and chemically passivated.
- Many other materials, plating and surface treatments are available.
- High strength and superior surface finish durability.
- Polymer flow surfaces polished to 8 micro-inch surface finish.
- Other special metals and surface treatments available.
- Modular design allows one through five-layer products to be made without stagnant flow channels.

## Radial Weld Lines Eliminated

- Product weld lines completely eliminated with proven blown-film spiral manifold melt distribution technology.
- Partial helical orientation imparted to the melt flow.
- Extruded product aesthetics are greatly improved.
- Physical properties of the extruded product, especially burst pressure, are increased.

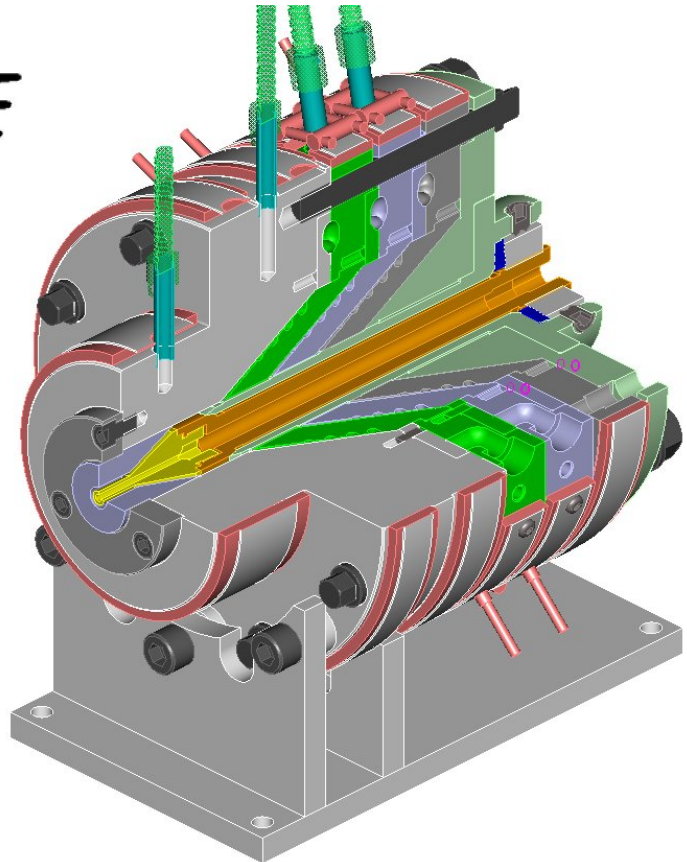
## Low Polymer Volume, Thermal Segregation

- Smooth, profiled and polished polymer flow paths reduce traditional areas of melt stagnation.
- Thermal segregation capability allows normally incompatible polymers to be processed together.

## Precision Operator Adjustment

- Product wall micro-centering is performed from the back of the head with innovative pivoting tip adjustment.
- The temperature of the die and tip are kept completely uniform around the diameter.

*Our continual program of product and process improvement may necessitate, without notice, changes in the specifications and data contained herein.*



- Complete, detailed and illustrated instructions for assembly, disassembly, preventative maintenance and cleaning are provided.
- 240V band heaters, J-type thermocouples, bayonet adapters, and disassembly tools are included.
- Jacking threads built into precision diameter interfaces to ease operator disassembly.
- Metric fastener option for metric production environments.
- Sealing surfaces accessible for refinishing.
- High temperature, Grade 8 fasteners are standard.
- Standard die support with cradle-style base simplifies assembly and disassembly.

## Family Members

This family of heads is defined by the maximum die opening in the head assembly.

CS-038, 3/8" maximum die diameter.

CS-075, 3/4" maximum die diameter.

CS-150, 1.5" maximum die diameter.