

# **Davis-Standard**<sup>®</sup> *News Release*

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## **Davis-Standard Expands In-House Die Machining**

(Bridgewater, N.J.)--To support its growing market share in blown film, Davis-Standard recently expanded its in-house die-machining capabilities at its plant in Bridgewater, N.J. The newly installed Viper heavyweight VTL machining center will accommodate large-diameter mandrels with four-axis capabilities. This upgrade is ideal for Davis-Standard's Centrex and Vertex co-extrusion dies that will now be manufactured in diameters up to 86 inches (2,100mm) in circumference.

"The addition will enable us to build higher technology dies for our global blown film business," said Rick Keller, vice president of Davis-Standard's blown film systems. "New designs for high performance dies will now be manufactured in-house, enabling us to serve an even larger customer base. This investment further strengthens our industry commitment and extensive product capabilities."

The new machining center features automatic tool changes, allowing for multiple machining processes to be completed in one set-up. Parts will also be machined with superior finishes to reduce hand polishing. Customers can expect to receive dies with a fast turnaround and competitive pricing.

Over the past few years, Davis-Standard's die designs have become widely used worldwide for agricultural and packaging film applications. Examples include the Centrex and Vertex dies referenced above. The three-layer Centrex enables production of high quality structures using a variety of polymers and blends. This die features an insulated IBC (internal bubble cooling) system with a unique internal and external heating arrangement to help reduce melt fracture and increase rates. The Vertex is engineered for tight gauge distribution and control. It features a concentric design with spiral channels fed from a vertical binary network to provide excellent melt flow uniformity. Both dies are designed for quick product changeovers, high shear rates and low surface energy. They are also engineered for simplified maintenance.

For more information about Davis-Standard's offering of blown film dies, contact Rick Keller at [kellerr@bc-egan.com](mailto:kellerr@bc-egan.com).

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