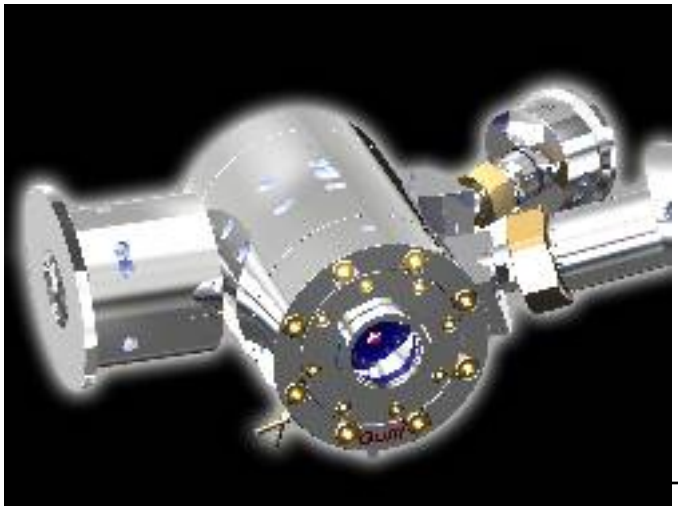
Continuous Vulcanization Extrusion Tooling Adapts Latest Medical Advancements



The Series CV 500 tooling from Guill Tool & Engineering Inc. combines elements of its modular design from Guill's 800 medical series as well as its highly successful polymer/rubber extrusion heads. This technology offers many key benefits to wire and cable and other industrial users, including a higher degree of accuracy to meet the latest stringent wire and cable technology demands.
Today's demanding wire and cable manufacturers, as well as extrusion companies' operators and technicians are benefiting from the CV 500 Series with its improved temperature control, decreased material volume for ultra-precision, plus easier and faster adjustment and cleaning processes of the crosshead and tooling. Maintaining peak performance tooling is now built into the Series 500 in order to assist with the operator's work scheduling, and to provide better and more precise end products.

The CV 500 Series is a precision crosshead design, which is well suited to meet the greater strength and improved tolerances required for the manufacture of today's newest wire and cable needs for a growing number of power utilities, plus other industrial high-voltage applications.

The rigorous flow testing and analysis enables the production of more difficult polymer/rubber applications with a high level of product consistency throughout, resulting in adherence to the precise tolerances and thinner walls required in these applications. With testing and analysis, parameters such as flow, pressure, heat, and the wall thickness of the particular product to be extruded are critical to performance.

Balanced temperature control for better flow is made possible by an integrated water cooling system. With the cooling system, the appropriate processing temperature for the rubber in the crosshead is maintained. By having the water cooling capability, the potential for scorching of the rubber extrusion is eliminated.

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