Southwest Venture Plastics (SVP) Quality Department has invested in a Zeiss Mass Accura Coordinated Measuring Machine (CMM) to better serve their customers and fellow manufacturers in Texas and Mexico.



Recognizing the cost-effectiveness of inspecting parts using a CMM machine, especially for components with stringent tolerances, the quality team at SVP acknowledged the need for an additional CMM to ensure accurate measurements for their customers. However, aware of the financial challenges faced by smaller manufacturers, they opted for a large CMM that could benefit not only SVP's customers but also local molders lacking the resources to acquire such equipment or train their staff to operate it.

Now, manufacturers in the region, beyond just SVP's clientele, can access precise measurement data from the Zeiss Mass

Accura CMM, particularly advantageous for large parts production.

Manufacturing large parts presents unique challenges, such as maintaining uniform wall thickness. The Zeiss Mass Accura CMM addresses these challenges and offers several benefits, including:

- 1. Significant reduction in quality control process time compared to manual measurements, with up to 10 times faster inspection times using the large CMM.
- 2. Minimization of human errors during inspections.
- 3. Integration of data analysis capabilities in the quality measurement system, providing insights for continuous improvement and optimization of production processes.
- 4. Cost reduction through defect minimization, reduced rework, decreased scrap, and enhanced overall production efficiency.
- 5. Competitive advantage for SVP's manufacturing customers by demonstrating adherence to quality standards and a commitment to excellence.
- 6. With one of the largest scanning machines in El Paso, SVP provides a convenient CMM option for customers with large part requirements, eliminating the need to ship parts to external service providers.

The Zeiss Mass Accura CMM, tailored for the plastics industry, offers versatility, speed, and advanced technology. Its high-speed scanning capabilities facilitate rapid data capture, especially for clients with multi-tool packages. The integration with Calypso software streamlines the measurement process, reducing programming time and minimizing errors through real-time visualization of deviations from design specifications.

SVP, a subsidiary of Venture Plastics, Inc., located in Newton Falls, Ohio, operates a 60,000-sq. ft. molding facility with comprehensive services. Venture Plastics, Inc. manages two

facilities in Newton Falls, dedicated to molding, manufacturing support, and warehousing, serving various markets such as Transportation, Agriculture, Appliance, Consumer, Power Back-Up, Fuel Delivery, Telecommunications, Rail, Point of Purchase, and Medical. As a "Best in Class" supplier since 1969, Venture Plastics continues to provide top-tier custom injection molding services. For more information about Southwest Venture Plastics and its capabilities, visit <a href="https://www.ventureplastics.com">https://www.ventureplastics.com</a>.