

MARPOSS



VTS

Non-Contact Tool Measurement System

At IMTS 2026, Marposs will showcase the Visual Tool Setter (VTS), a non-contact optical tool measurement system designed to provide fast, precise, and reliable tool inspection directly on machining centers and milling machines.

Built on CCD-based optical sensor technology using shadow projection, the VTS captures complete tool geometry in a single acquisition. It measures tool length, diameter, TIR, cutter radius, and tool center coordinates with high accuracy, even for extremely small tools and complex geometries. Measurements can be performed while the tool is rotating at full speed, helping reduce setup time and improve machining efficiency.

Beyond measurement, the VTS provides advanced tool control functions including shape and size detection, breakage detection, tool presetting, wear compensation, and tool integrity checks. These capabilities help manufacturers improve process stability, reduce scrap, and maintain consistent production quality.

Designed for industrial machining environments, the VTS features a dual-protection system with pneumatic shutters and a continuous air barrier to protect optical components from coolant and dirt. Available in Small Field and Wide Field configurations, the system supports applications ranging from micro-tools to larger machining operations.

By combining high-resolution optical technology with advanced measurement capabilities, the VTS delivers real-time tool insight that helps manufacturers improve productivity, precision, and process reliability.

Visit Marposs at IMTS 2026, located in East Hall, Level 3 in booth# 134324 to experience the Visual Tool Setter in action.

ABOUT MARPOSS

MARPOSS was founded in 1952 and Mr. Francesco Possati is the President of the Group; it provides shop-floor solutions for measurement, inspection and testing in the production environment. Marposs' solutions include gauging equipment of mechanical components,

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before, during and after the production process; monitoring solutions on machine tools; assembly and testing for many industry sectors; and automatic machines and inspection stations for production lines. MARPOSS is one of the main suppliers to the automotive industry providing solutions for both traditional and electric mobility but additionally operates in the aerospace, biomedical, hi-tech, white appliance, and glass containers industries. MARPOSS Group employs 3200 people around the world and is present in 34 countries with more than 80 sales offices.