

## Focus: Wire EDM Parts

**Challenge:** This wire EDM part has a multitude of features which require measurements of large holes, very small holes within holes, and shallow lands. Measuring all critical features on a single system is a challenge.

**The Multisensor Advantage:** The OGP SmartScope ZIP<sup>®</sup> Advance 250 offers a unique combination of sensors to address these needs. The high-speed LinearCentric zoom optical system is designed for fast magnification change, allowing it to zoom out for large holes, and zoom in instantly for very small holes. ZIP Advance is engineered for high zoom duty cycles for 24/7 production operation.

Height and flatness measurements on the shallow lands require versatile illumination to pick up surface grain for accurate focus measurements, while the integral TTL laser is used for flatness measurements, following complex scan paths automatically generated by the video measurement results. MeasureMind<sup>®</sup> 3D metrology software allows all sensors to be used as needed in an automated routine.

**The Result:** The SmartScope ZIP Advance 250 with MeasureMind 3D software reduced the measurement time for this precision machined part by over 55%.

