

Optical shaft measuring systems for large components are available in horizontal and vertical versions. The automatic loading in the horizontal version is specifically designed for use in production, whilst the manual loading, vertical version is used in the measuring room or in production area. Both the AMV and WMS series are used in conjunction with TurboOptic 3 Software.

Features

- Shaft measurement system for length, diameter, geometry, form & position
- Short measuring times for complex workpiece geometries
- High flexibility as many different components can be measured with little or no retooling costs
- Minimal retooling time when changing parts
- Fully automatic measuring runs with monitoring of the calibration state before every measurement
- Can be integrated in production lines
- Certified Q-DAS interface
- Maximum stability due to a granite base on the WMS range

| Specification | AMV 914 | AMV 923 |
|--------------------------------|---------------------------------|-----------|
| Measuring capacity (mm) | | |
| Diameter | 0.2 - 140 | 0.2 - 230 |
| Length | 900 | 900 |
| Workpiece capacity | | |
| Diameter (mm) | 280 | 280 |
| Length | 900 | 900 |
| Weight of workpiece [Kg] | ≤ 30 | ≤ 30 |
| Resolution | | |
| Diameter | 0.2µm | |
| Length | 0.5µm | |
| Rotation | 0.0018° | |
| Accuracy | | |
| Diameter measurement deviation | (2+{mm}/100)µm | |
| Repeatability | 0,5µm | |
| Length measurement deviation | (5+L[mm]/100)µm | |
| Repeatability | 3µm | |
| Speed | | |
| Measurement | automatic: 10 - 80mm/s | |
| Measurement Rotation | 1 rps | |
| Position | 200mm/s | |
| Position Rotation | 1 rps | |
| System data | | |
| Sensor | CCD line | |
| Lighting/light source | semiconductor LED | |
| Degree of protection | IP 52 | |
| Clamping device holder | | |
| Morse taper | MT 3 | |
| Clamping stroke tailstock | 40mm, with quick clamping lever | |
| Computer system | | |
| Hardware | PC system | |
| Operating system | Windows XP | |



Vertical AMV

