Quality starts with a Q. An ATOS Q.

THE NEW ATOS COMPACT CLASS
ATOS Q – the new ATOS compact class

In almost all industries, ATOS sensors have established themselves as optical 3D measuring systems. Their success is based on precise optoelectronics, robust sensor design and powerful software. ATOS Q takes this success story further: The sensor perfects the triad of design, technology and performance. The result: a versatile and compact system with real ATOS DNA. ATOS Q is reliable and versatile and therefore perfectly suited for complex measurement and inspection tasks. The compact system meets high metrological demands.
ATOS Q – a real ATOS sensor

ATOS performance
High-speed fringe projection
Fast data processing
High data throughput
ATOS technology
Triple Scan Principle
Blue Light Equalizer
Self-monitoring system

ATOS design
Simple operation
Protected optics
For industrial use
ATOS Q rises to the challenge

The compact ATOS Q sensor is very versatile. It solves complex measurement and inspection tasks in manual, semiautomated or fully automated operation in the ATOS ScanBox 4105.

Manual

With a weight of only 4 kg and its compact design, ATOS Q is light and can be easily moved. It can be used on a tripod in the measuring room but also mobile in production.
**Semiautomated**

Combined with a tripod or alternatively a desk stand and the GOM ROT 350 rotation table or a Motorization Kit, ATOS Q can be used in semi-automated operation.

**Automated**

ATOS Q reaches its maximum efficiency in the ATOS ScanBox 4105. The system enables serial quality control with high throughput and high process reliability.
Shaping Quality with ATOS Q

ATOS Q is designed as a flexible 3D scanner for complex measurement and inspection tasks in different industries. Interchangeable lenses ensure high-precision measurements of small to medium-sized parts. Changing from the smallest to the largest measuring volume is easy thanks to the fixed camera position.
<table>
<thead>
<tr>
<th></th>
<th>ATOS Q 8M</th>
<th>ATOS Q 12M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light source</td>
<td>LED</td>
<td>LED</td>
</tr>
<tr>
<td>Points per scan</td>
<td>8 million</td>
<td>12 million</td>
</tr>
<tr>
<td>Measuring area [mm²]</td>
<td>100 × 70 – 500 × 370</td>
<td>100 × 70 – 500 × 370</td>
</tr>
<tr>
<td>Point distance [mm]</td>
<td>0.04 – 0.15</td>
<td>0.03 – 0.12</td>
</tr>
<tr>
<td>Working distance [mm]</td>
<td>490</td>
<td>490</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 4 kg</td>
<td>approx. 4 kg</td>
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<tr>
<td>Dimensions</td>
<td>approx. 340 mm x 240 mm x 83 mm</td>
<td>approx. 340 mm x 240 mm x 83 mm</td>
</tr>
<tr>
<td>Cable length</td>
<td>10 m fiber optic cable</td>
<td>10 m fiber optic cable</td>
</tr>
<tr>
<td>Operating system</td>
<td>Windows 10</td>
<td>Windows 10</td>
</tr>
<tr>
<td>Measuring volumes</td>
<td>100, 170, 270, 350, 500</td>
<td>100, 170, 270, 350, 500</td>
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</tbody>
</table>
One series, two versions

ATOS Q is available in the 12M and 8M versions. The sensors capture up to $2 \times 12$ million or $2 \times 8$ million coordinate points during scanning. The precision, the resolution and the measuring area size can be freely defined.