



THE NEW ATOS COMPACT CLASS

Quality starts
with a Q.
An ATOS Q.



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.



ATOS Q

gem

FANUC Robot
LR Mate 200

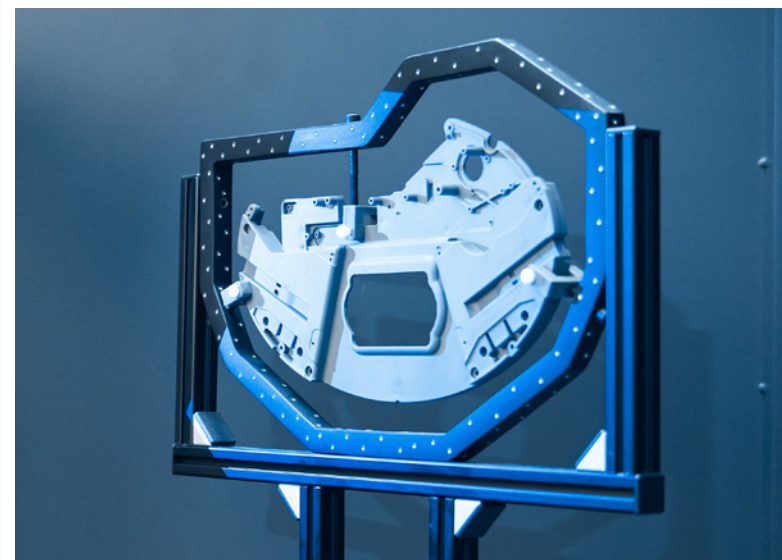
HV 300

HV 500



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.



	ATOS Q 8M	ATOS Q 12M
Light source	LED	LED
Points per scan	8 million	12 million
Measuring area [mm ²]	100 × 70 – 500 × 370	100 × 70 – 500 × 370
Point distance [mm]	0.04 – 0.15	0.03 – 0.12
Working distance [mm]	490	490
Weight	approx. 4 kg	approx. 4 kg
Dimensions	approx. 340 mm x 240 mm x 83 mm	approx. 340 mm x 240 mm x 83 mm
Cable length	10 m fiber optic cable	10 m fiber optic cable
Operating system	Windows 10	Windows 10
Measuring volumes	100, 170, 270, 350, 500	100, 170, 270, 350, 500



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MEGAPIXEL

12

MEGAPIXEL

One series, two versions

ATOS Q is available in the 12M and 8M versions.

The sensors capture up to 2×12 million or 2×8 million coordinate points during scanning.

The precision, the resolution and the measuring area size can be freely defined.

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