



BMT

COMET 6

The highly innovative ZEISS COMET 6 16 M combines high-end technology, ergonomics and a compact design to offer optimum flexibility and precision for challenging tasks.

Overview

MODULAR DESIGN

The unique concept of the ZEISS COMET 6 16 M sensor is based on a modular design with the tried-and-tested single-camera technology so that the measurement field size can be quickly adapted to the measuring task at hand.

HIGH RESOLUTION

With its high resolution, the high-end ZEISS COMET 6 16 M sensor with a 16 megapixel camera offers a previously unobtainable level of detail for the digitalisation of delicate objects or for uses requiring an extraordinary amount of detail.

HIGH LIGHT POWER AND INTELLIGENT PROJECTION

The core element of the COMET 6 16 M is the new projection unit, which is characterized by an extremely bright LED and innovative projection optics. The light quantity projected onto the relevant object surface can be adapted to minimise undesired effects such as glare.

USER-ORIENTED ERGONOMICS

The compact sensor design and handling system offer maximum user friendliness and ergonomic operation. The sensor can be adjusted easily, precisely and quickly –enabling the user to operate the system intuitively and conveniently.

FLEXIBILITY AND EFFICIENCY

The COMET 6 16 M is highly flexible. The user can choose between a higher resolution and maximum speed at any time, achieving optimal performance for the specific usage. The low working distance even with large measuring fields enables simple, time-saving handling, especially in confined spaces. The ability to simply and quickly change the measurement field makes it easy to adapt the system to the broadest range of objects and uses.

HIGHLIGHTS

- 16 megapixel camera resolution
- Adaptive projection for optimum lighting
- Excellent data quality
- High measurement speed
- Ergonomic sensor handling
- Easy-to-change measurement field
- Outstanding accuracy
- Selectable measuring mode
- Maximum resolution
- Maximum image capture speed



BMT

COMET 6

Technical Data

Camera resolution	4896 x 3264
Field-of-view	Measurement volume
	100 118 x 79 x 60 mm ³
	200 233 x 155 x 140 mm ³
	400 382 x 254 x 200 mm ³
	700 656 x 437 x 400 mm ³
	1200 1235 x 823 x 600 mm ³
Field-of-view	3D point distance
100 / 200 / 400 / 700 / 1200	100: 24 µm / 200: 47 µm / 400: 78 µm / 700: 134 µm / 1200: 252 µm
Field-of-view	Working distance
	100 510 mm
	200 510 mm
	400 785 mm
	700 785 mm
	1200 1400 mm
Fastest measuring time in seconds	1.2 sec.
PC	64-bit high-end workstation with Windows 7
Sensor positioning	Tripod or column stand with manual rotary/swivel axis
Automatic object positioning	Rotary tables COMETrotary, COMETdual rotary
Available software	STEINBICHLER colin3D / COMETplus