



# STEINBICHLER COMET® 6 16 M

3D DIGITIZING  
THE NEW HIGH-END SENSOR



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

## MODULAR DESIGN

The unique concept of the STEINBICHLER 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 STEINBICHLER 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 adaptive projection provided by the sensor makes it possible to adapt the light quantity projected onto the relevant object surface; undesired effects such as glare are therefore minimized.

## USER-ORIENTED ERGONOMICS

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





# STEINBICHLER COMET<sup>®</sup> 6 16M

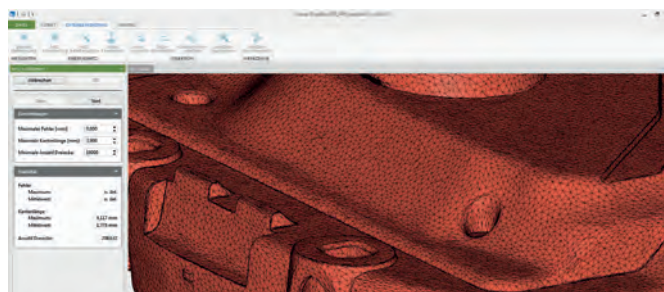
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## FLEXIBILITY AND EFFICIENCY

The COMET 6 16M is highly flexible: the user can choose between a higher resolution and maximum speed at any time, therefore 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 for the highest level of detail
- 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



## TECHNICAL DATA

Camera resolution	4896 x 3264
Field-of-view 100 200 400 700 1200	Measurement volume 118 x 79 x 60 mm <sup>3</sup> 233 x 155 x 140 mm <sup>3</sup> 382 x 254 x 200 mm <sup>3</sup> 656 x 437 x 400 mm <sup>3</sup> 1235 x 823 x 600 mm <sup>3</sup>
Field-of-view 100 / 200 / 400 / 700 / 1200	3D point distance 100: 24 µm / 200: 47 µm / 400: 78 µm 700: 134 µm / 1200: 252 µm
Field-of-view 100 200 400 700 1200	Working distance 510 mm 510 mm 785 mm 785 mm 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



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