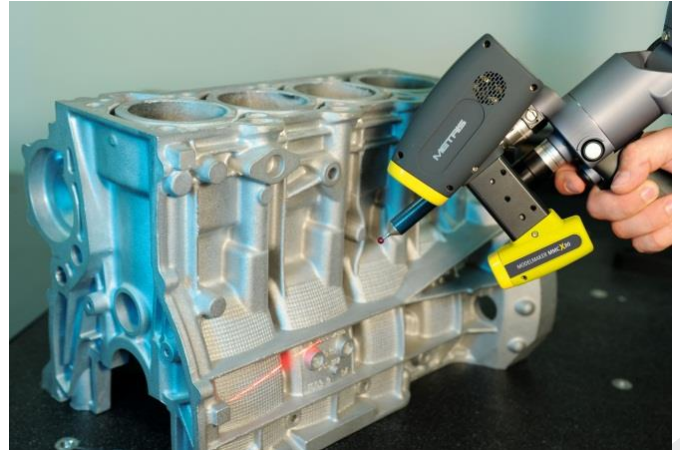




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## MODELMAKER MMCX DIGITAL HANDHELD LASER SCANNER

The ModelMaker MMCx handheld laser scanners offer high value at affordable cost. This all-purpose scanner is well suited for portable 3D inspection and reverse engineering applications where the unmatched capability of the ModelMaker to scan any surface meets the need for a budget-friendly solution. Its camera technology introduces an adequate frame rate and a stripe width up to 160mm. MMCx features Enhanced Sensor Performance (ESP3) to eliminate user interaction when scanning different sample materials and surface finishes.



### KEY BENEFITS/FEATURES

- Digital handheld scanner for every budget
- Adequate scanning accuracy for freeform and feature inspection
- Adequate scanning throughput through digital data capture
- Robust design for use in all shopfloor conditions
- Ergonomic scanning thanks to lightweight housing and system controls available at your fingertips
- Scanning nearly every material surface with ESP3
- Ideal for measuring soft and fragile parts
- Optimized for hard-to-scan surfaces
- Compatible with MCA II series and many 3rd party articulated arms.
- Interfaces directly using the Ethernet connection with the laptop so there is no need for a controller interface

### ACCURACY

Scanner Type	Sensor accuracy 1 $\sigma$ ( $\mu\text{m}$ )
MMCx80	16 $\mu\text{m}$ *
MMCx160	24 $\mu\text{m}$ *

\* The sensor accuracy of the MMCx laser scanners is determined based on scan data measured on a precision plane artefact, using a coordinate machine as localizer.

## FIELD OF VIEW

	MMCx80	MMCx160
Stripe width far edge (mm)	80	160
Stripe width near edge (mm)	60	95
Start measuring range (mm)	100	110
Range (mm)	100	150
Point spacing far edge (mm)	0.100	0.200
Point spacing near edge (mm)	0.075	0.120
Points / stripe	800	

## TECHNICAL SPECIFICATIONS

Data rate	30 stripes/sec
On-board calibration map	Yes
In the field upgradeable firmware	Yes
Boot-up time	14 sec
Sensor weight	400 ± 20 gr.
Dimensions	180mm x 75mm x 138mm
Laser class	2
Stripe Laser : AEL (Accessible Emission Limit)	5.25 mW
Stripe Laser : Diode wavelength	660 nm
Range Finder Laser : AEL (Accessible Emission Limit)	1 mW
Range Finder Laser : Diode wavelength	635 nm
Standards compliance	EMC, CE

Localizer compatibility

The Modelmaker MMCx scanners are compatible with the following localizers:

- MCAII 7 axis
- MCA 7 axis (v2.2 and v2.5)
- K-Series K600 and K610
- Romer/Cimcore 7 axis Infinite 1.0 / 2.0
- Faro Titanium/Platinum/Fusion

Please check the system requirements of the MMCx driver software (Handheld API) to find out the required versions of the localizer drivers.



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