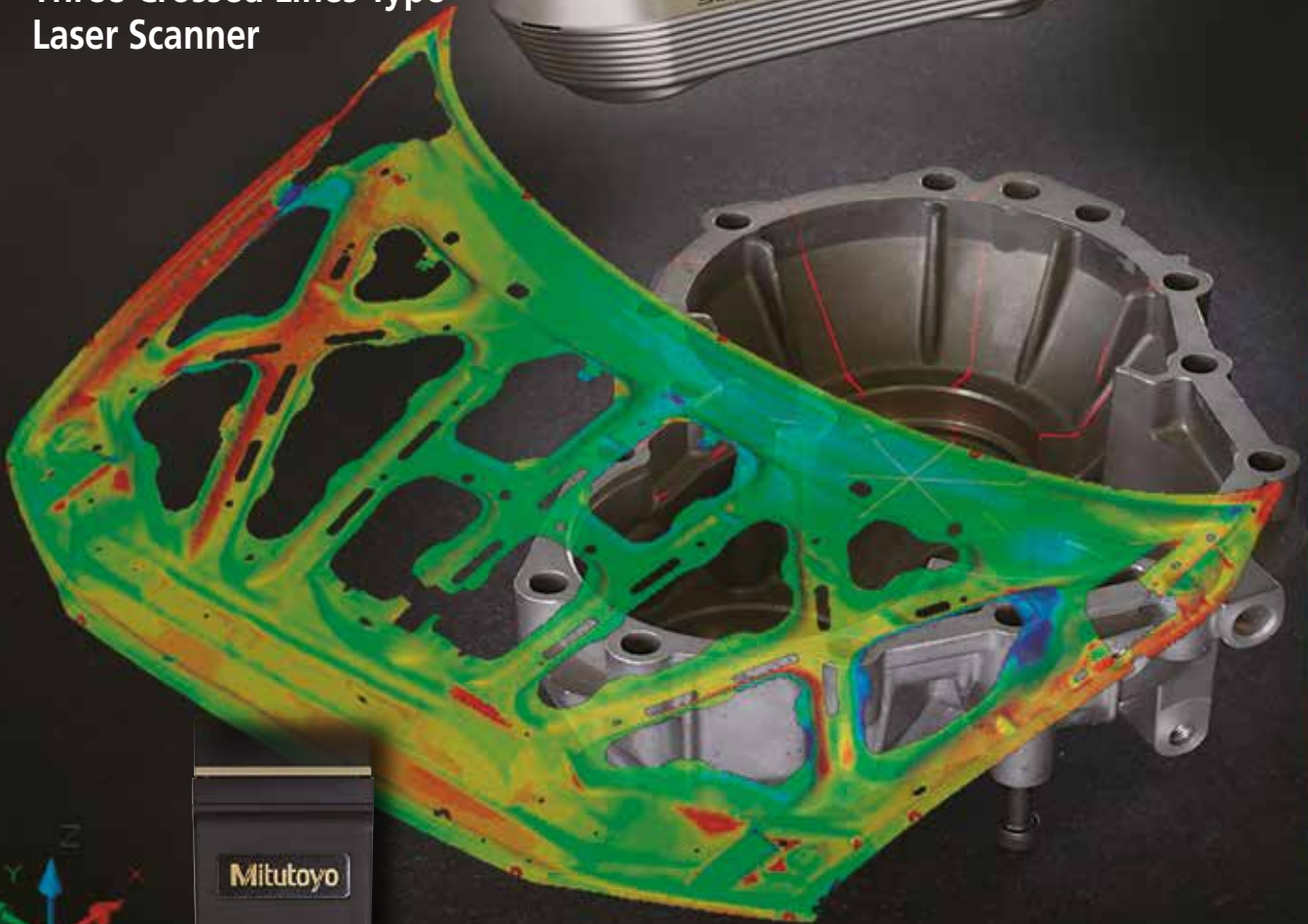


SurfaceMeasure 606T

Three Crossed Lines Type
Laser Scanner



COORDINATE MEASURING MACHINES

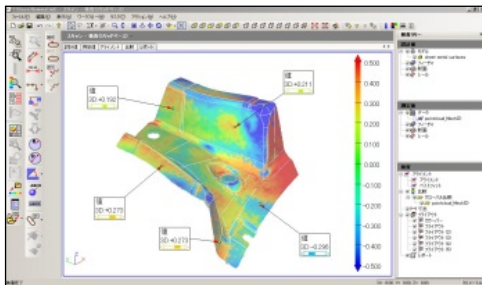
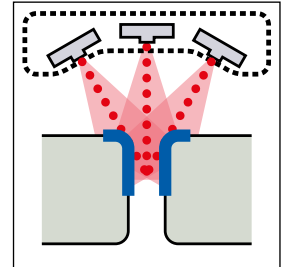
SurfaceMeasure 606T – the efficient Mitutoyo Laser Scanner

The SM606T Laser Scanner grants high-throughput point cloud acquisition – at an impressive scanning rate of 76,500 points/sec. It is compatible with almost all Mitutoyo CNC CMM types.

As opposed to other Mitutoyo SurfaceMeasure laser scanners, SM606T applies three laser lines at angles of 120°. This method grants fast scanning cycles and drastically reduces the number of probe angle changes often required with a single line type.

SurfaceMeasure 606T is the ideal solution for fast feature extraction such as circles or slots punched on sheet metal parts.

SM606T is also perfect for high-speed digitising of various components such as die-cast parts.



Point Cloud Analysis with MSURF



Specifications		SM606T
Laser type		3 crossed laser lines at 120°
Working distance		203.5 mm
Measuring range		65 mm
Scan width		3x 65 mm
Scanning error*		17 µm (1σ / sphere fit)
Number of lines / sec		85
Acquisition rate		76,500 pts / sec
Dimensions:	Height	85.5 mm
	Diameter	190.0 mm
Weight		480 g
Laser class		Class 2
Wave length		660 nm
Accuracy temperature		20 ± 2°C

* Test environment	Temperature: 20±1 degree C, humidity: 50%±10%
Target	Specific reference ball (Ø30mm)
Method	According to the Mitutoyo acceptance procedure

Mitutoyo

Mitutoyo Europe GmbH

Borsigstraße 8-10
41469 Neuss Germany

Tel. +49 (0) 2137-102-0
Fax +49 (0) 2137-102-351

info@mitutoyo.eu
www.mitutoyo.eu



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