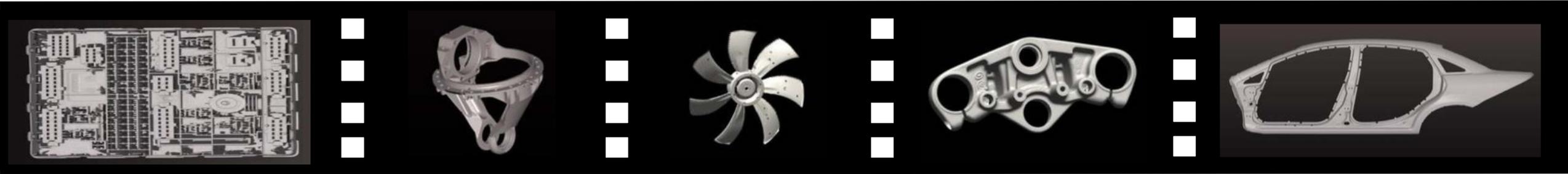


Company Profile



About Triple Infotech



Business Partner



- Started in 2015 as a 3D Scanning Services company
- Signed up as a Zeiss Sales Partner in 2016 for South India
- Presently a 20 member team growing at 40 percent YOY
- Offer complete metrology solution for Rapid Data Acquisition, Precision Measurement, Comprehension Inspection and Reverse Engineering Services
- Based out of Bangalore, operating across South India

Have Invested in One Laser Scanner, Two Blue Light Scanners



3D Scanning Services Offered

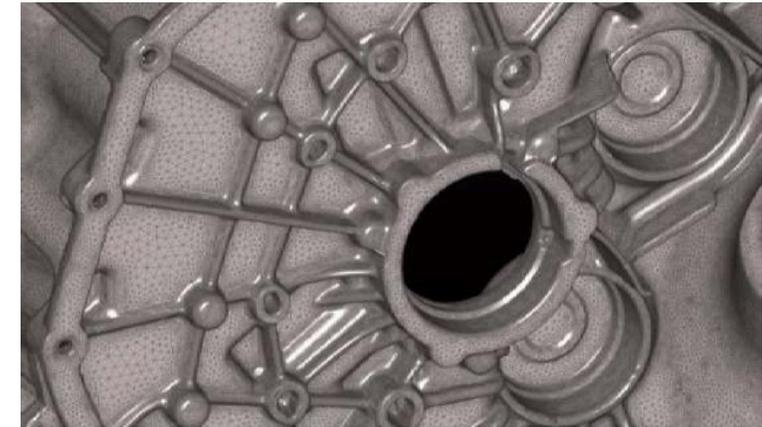
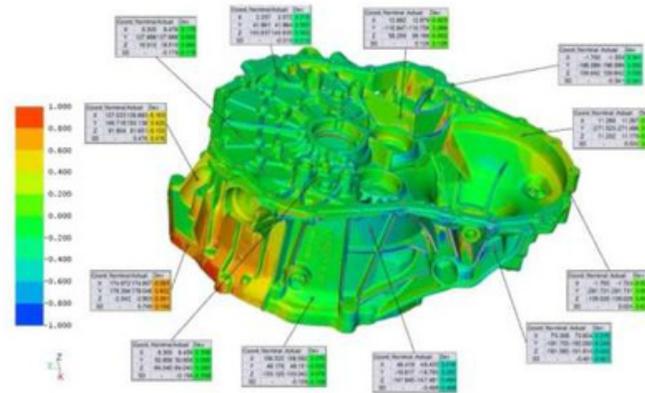


Business Partner

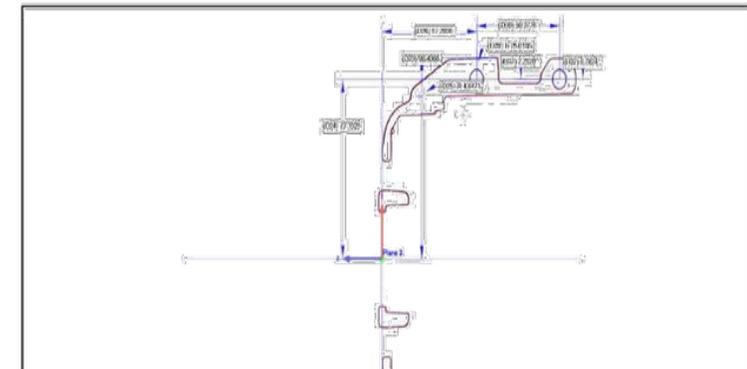


3D scanning is the process of capturing digital information about the shape of an object with equipment that uses light to measure. 3D scanning can capture very small objects and all the way up to full-size airplanes

- 100% Part Inspections
- First article inspection
- GD&T
- CAD to Part comparison
- Shrinkage and Warpage
- Spring back compensation
- Edge and feature analysis
- Virtual wall thickness analysis
- Wear Control
- Benchmarking



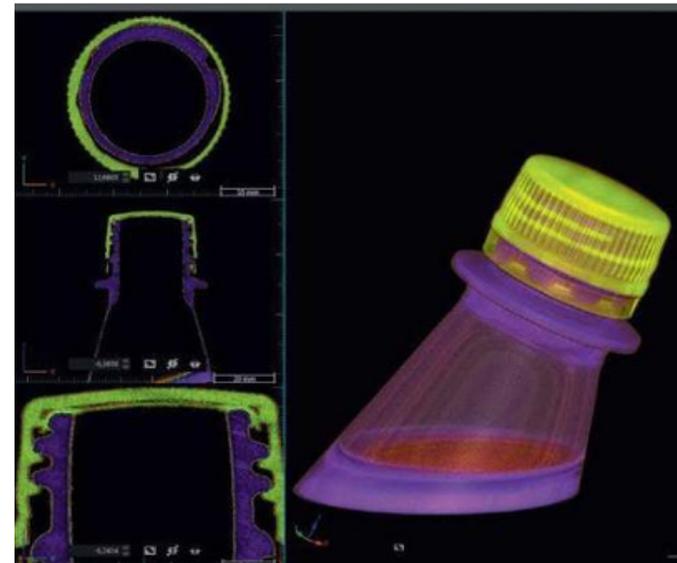
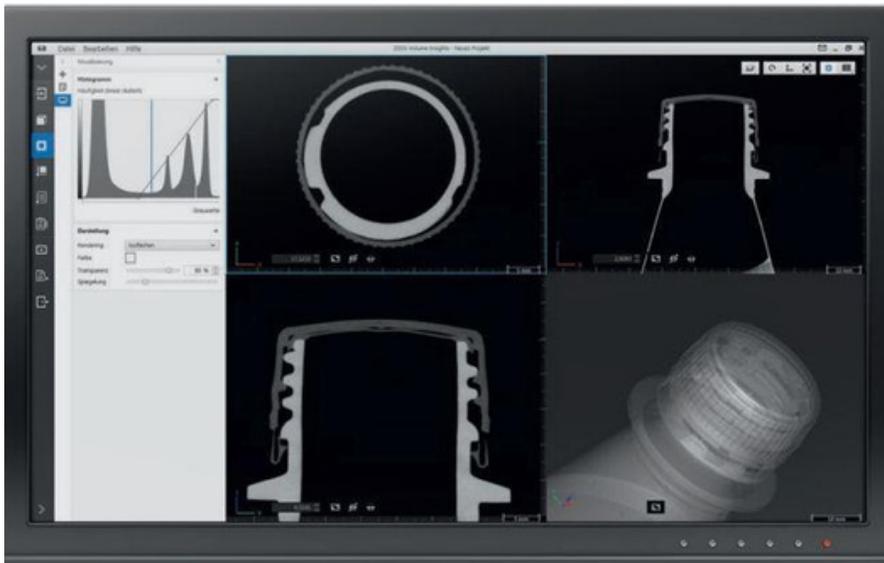
2D Dimension View: Section L-L



Name	Measured	Nominal	Dev	Status	Upper Tol.	Lower Tol.
D30	50.0776	50.0000	0.0776	PASS	0.2000	-0.2000
D32	0.7824	0.7000	0.0824	PASS	1.0000	-1.0000

Benefits of CT technology

- CTs work without destroying the workpiece. The properties of the specimen are not changed by the testing process.
- Nothing is hidden from CTs. Components can be captured completely, including inner structures and irregularities in the material.
- CTs work quickly. All selected characteristics can be evaluated together with just a single scan. A lot of information can be obtained in a comparatively short period of time.
- CTs capture data in 3D, meaning they provide more information than ultrasound or 2D X-ray scans.



ZEISS METROTOM 800 130kV/225kV



- **RAPID PROTOTYPING** or 3D Printing is a technique used to quickly fabricate a model, a physical part or assembly using the CAD data.
-
- We deliver on 3D Printing projects by partnering with leading design/engineering center with multiple high-end 3D printers at their disposal.

SLA, FDM, SLS and DMLS services can be offered



Three technologies in 3D Scanning



Structured Light/ Fringe Projection
Complex Geometrics



Optical 3D fringe projection
scanner



Handheld Laser Scanning
Simple at-site application



One series, two versions

	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	
Weight	approx. 4 kg	
Dimensions	approx. 340 mm x 240 mm x 83 mm	
Cable length	10 m fiber optic cable	
Operating system	Windows 10	
Measuring volumes	100, 170, 270, 350, 500	



Technical Data of T-Scan hawk 2

Resolution [mm]	0.050
Scan Area [mm]	up to 600 x 550
High-speed scanning	included (multiple blue laser crosses)
Detailed scan	included
Deep pockets	included
Large measuring objects	<i>satellite mode</i> , no coded reference points required
Recalibration	<i>HyperScale recalibration</i> , one-shot sensor recalibration
Accuracy	0.020 mm + 0.015 mm/m
High-precision scale bars (carbon fiber length standard)	certified (DAkkS/ILAC)
Laser class (IEC EN 60825-1:2014)	Class 2 (eye-safe)
Weight [kg]	< 1
Software	ZEISS Quality Suite/ZEISS Inspect
Image and control signal transmission	via supplied ready-made ultra-light USB-C cable

GOM 3D Scanning Solutions



Business Partner



Transfer of image and control signals	via Gigabit Ethernet data link with a USB interface
Projector light	Artificial optical radiation, blue (440–465 nm) (Medium risk according to DIN EN 62471, issue March 2009, condition: when looking into the light source)
Ambient conditions	0°C to +40°C (non-condensing)
Weight	2.5 kg
Voltage range (typical)	100 to 240 V, 50 to 60 Hz
Power consumption	Typically 45 W
Power Factor Correction	≥ 85%
Max. cable length between sensor and PC, laptop	5 m
Application software	GOM Inspect

System	GOM Scan 1		
Measuring points per individual scan	approx. 6,000,000 points		
	Dimensions (in mm): 290 x 215 x 80		
	Measuring volume (in mm):		
	GOM Scan 1 (100)	GOM Scan 1 (200)	GOM Scan 1 (400)
	100 x 65 x 70	200 x 125 x 150	400 x 250 x 300

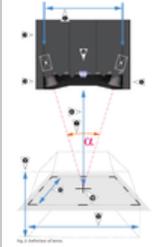
Sensor Model	Measuring Volume (L*W*H)[MM]	Measuring Point Distance	Recommended reference points [Ø mm]	Measuring distance [mm]	Standard calibration objects
GOM Scan 1 (400)	400 x 250 x 300	0.129	3	500	CPA50/480
GOM Scan 1 (200)	200 x 125 x 150	0.060	1.5	450	CPA30/210
GOM Scan 1 (100)	100 x 65 x 70	0.037	0.8	400	CPA10/150

Applications



Business Partner



	Technology	Application field	Markers	Data quality	Accuracy	Part size	Set up time and transportability
GOM Scan 1 	Optical tracker system 	Complex geometries	Not needed, Can be used	Medium-High	Medium	Up to 1m ³	FastSet Up • Easy Transport • (1 Case + laptop)
T-SCAN hawk 2 	Handheld Laser Scanning 	Simple at-site application	YES	Medium-High	Medium	Up to 2m ³	• FastSet Up • Easy Transport (1 small Case + laptop)
ATOS Q 	Structured Light / Fringe Projection 	Complex geometries	Not needed, Can be used	Very high	High	Up to 1m ³	• FastSet Up • Easy Transport • (1 Case + laptop)

Contact us



Business Partner



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