



CMM INSPECTION SERVICES

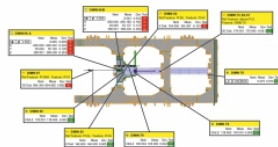
PORTABLE HIGH-ACCURACY CMM : SPECIFICATIONS :

- **Accuracy** - 0.028 mm (2σ)
- **Point Acquisition Rate** - 752 000 points/s
- **Points per Line Max.** - 7520
- **Line Width (mid)** - 115 mm
- **Standoff** - 165 ± 50 mm
- **Minimum Point Spacing** - 0.011 mm

FIXED BED HIGH ACCURACY CMM

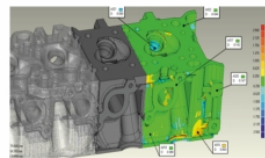
SPECIFICATIONS:

- **Machine Size** - 800x1000x600(mm)
- **Accuracy** - $2.6 + L / 300$ microns
(L = Length in mm of the feature to be checked)

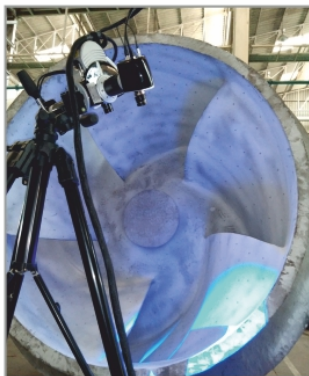


TRUCK CHASSIS REPORT

3D INSPECTION REPORT



- **3D Inspection:**
Alignment of measuring data to nominal data, dimensional analysis (2D, 3D, GD&T, SPC) and creation of measuring reports.
- **2D Layout Inspection:**
Drawing dimensions are compared with the part dimensions (extracted from the scan data) and layout inspection report generated



BLUE LIGHT SCANNING

SCANNING OF HIGH PRECISION DETAIL PARTS

SPECIFICATIONS:

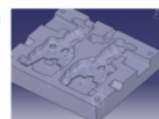
- High Accuracy Scanning for all Types of Part
- **Camera Resolution** - 2 x 5 MP
- **Feature accuracy** : 7 μ m
- **Minimum Measuring Time** - 1 sec

REVERSE ENGINEERING

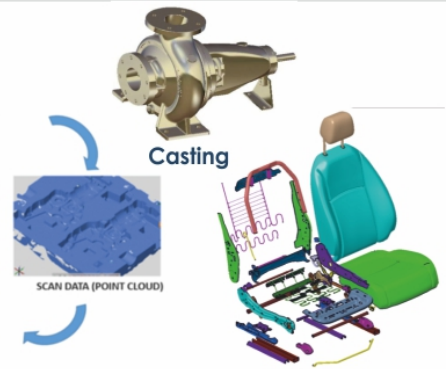
- Experienced team of 30+ Engineers
- Expertise of more than 20 years in reverse engineering software's and design software's
- Conversion of scan data into 3D CAD data (formats CATIA, CREO, IGES, STEP, PARASOLID)
- **Industries** : Sheet Metal, Plastic & Casting
- **Design Software** : CATIA, Pro E, UG NX, SOLID WORKS, Geomagic DX.
- **Inspection Software** :
GOM, Polyworks, Geomagic Control X



PHYSICAL PART



FINAL 3D CAD DATA



Tooling, Die & Molds

Plastic, Sheet Metal & Foam



SURFACE DESIGN
Technologies Pvt. Ltd.

3D SCANNING AND METROLOGY TECH CENTRE
"ONE STOP SOLUTION FOR 3D PRINTING & PROTOTYPING"

3D PRINTER FOR INVESTMENT CASTING



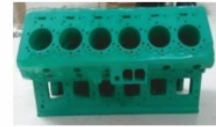
SPECIFICATIONS :

- **Printing Size** : 500mm*500mm*500mm
- **Printing Accuracy** : ± 0.1 mm
- **Materials** : 1.75mm PLA, ABS, TPU, Copper, Wood, Carbon Fiber, Gradient Color etc.
- **Format** : STL, OBJ, G-Code

3D PRINTING



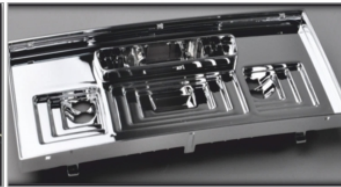
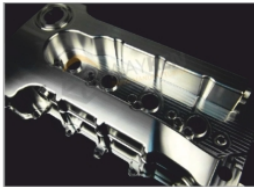
3D Printing of Crank Case Scaled Down Model by FDM Process



AFTER POST Processing: Finished Part



RAPID MANUFACTURING



- Your Custom Prototype Manufacturing Service Experts. We specialize in manufacturing high quality aesthetic prototypes using manufacturing techniques like High speed machining and 3D printing to deliver prototypes within a very short turn-around time.

MOLD MAKING



- We Manufacture Foundry Tools, Jigs, Fixture, Plastic Injection Molds, etc.

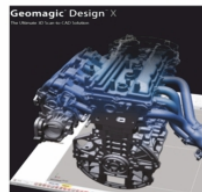
PRODUCT SALE AND SOFTWARE TRAINING



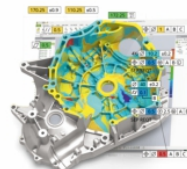
Portable CMM



Breuckmann Smart Scanner



Geomagic Design X



Polyworks Inspector



Training



PUNE



BELAGAVI

SURFACE DESIGN TECHNOLOGIES PVT. LTD.

PUNE ADDRESS : Sr. No. 128/2, Gala 5 & 18, F Wing, Steel India Complex, Mohan Nagar, Telco Road, Chinchwad, Pune - 411 019. | **Call** : 020 2747 6117 / **Mob.**: 9860317333 | **Email** : info@surfacedesigntech.com

BELAGAVI ADDRESS : Plot No. A-12, IT Park Desur, Belagavi - 590 014.
Call : +91 6363405029 | **E-mail**: info@surfacedesigntech.com

www.surfacedesigntech.com