

## **Gandhinagar Institute of Technology**

A Report on  
***"Digital Design"***  
(20<sup>th</sup> May 2020)

### **Objective:**

This webinar was organized by Mechanical Department of GIT and Presented by Mr. K Nitheen Kumar of Technical Head ( Carl Zeiss India, Bangalore) to educate and give basic information regarding Reverse Engineering Software under SSIP.

This webinar was mainly aimed to provide the knowledge of Reverse Engineering and different machine used for that. This session was purely base Product Development and 3 D measurement of mechanical component and regeneration of surface of any complex part it is plastic and glass components. This webinar was useful to final year students for aware about new technology in Reverse Engineering.

### **Key Takeaway of Program:**

- ZRE Software
- Capabilities of ZRE Software
- 3 D Scanning System.
- Different Companies profile who were used ZRE Software.
- Demonstration of ZRE Software.

### **Speaker**

- Mr. K Nitheen Kumar
- **Time and Venue for Webinar:** Microsoft Team

Date: 20/05/2020

Time: 02:00 PM to 03:00 PM

### **Event Description**

Mr. K Nitheen Kumar delivered an expert session on ZRE Software, they explained the detailed scope of ZRE software in Reverse Engineering because RE is a basic requirement in Automobile Industries and casting industries. He demonstrated ZRE software among students and showed the capabilities of it. After Completed demonstrated, they were able to practice on that software.

### Photograph of Webinar:

**Zeiss Reverse Engineering Software Webinar - One to One discussions for Perfectio...**  
**Zeiss Reiss Reverse Engineering** 01:21:28

#### System configurations

	Minimum system requirements	Recommended system requirements
Processor	Intel Core i7, 64 bit ≥3.2 GHz	Intel Core i7, 64 bit ≥3.2 GHz
RAM <sup>1</sup>	≥16 GB	≥32 GB
Graphics card <sup>2</sup>	Support of Open GL 4.3 Graphics memory ≥4 GB Recommendation: NVIDIA	Support of Open GL 4.3 Graphics memory ≥8 GB Recommendation: NVIDIA Quadro FX
Monitor	19" monitor Full HD	Dual monitor ≥22" Full HD monitor
Hard drive	(depending on the projection size) Installation: 1.5 GB	(depending on the projection size) Installation: 1.5 GB SSD or RAID disks
Pointing device	Three-button mouse	
Drive		

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**Snap – 1 System Configuration**

**ZEISS REVERSE ENGINEERING**  
 Selection of existing, convinced ZRE customers per ZRE option

**Reverse Engineering**

**BOSCH**  
Technik fürs Leben

**DAIMLER**

**HYUNDAI**

**TONTEC**

**MAGNA**

**GROHE**

**Gestamp**

**Tool correction**

**BOSCH**  
Technik fürs Leben

**HILTI**

**swoboda**  
molding elements

**GERRESHEIMER**

**HELLA**

**STABILO**

**SCHOLZ**  
HIGH TECH IN KUNSTSTOFF

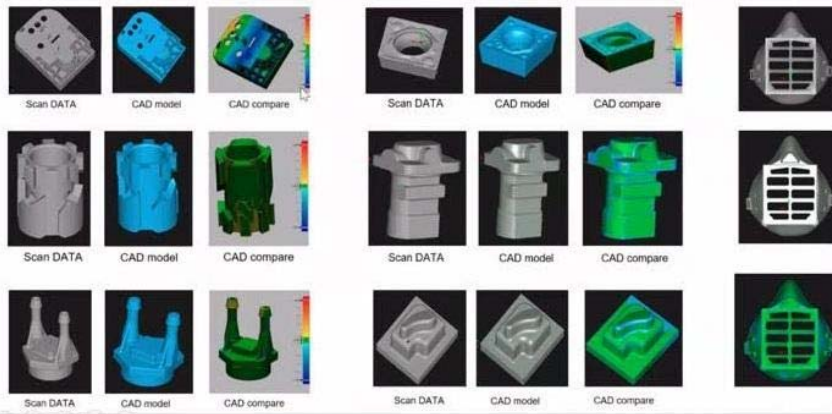
**KRUG**

**SCHAEFFLER**

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**Snap – 2 Customer of ZRE Software**

## Reverse Engineering – Surface construction Examples

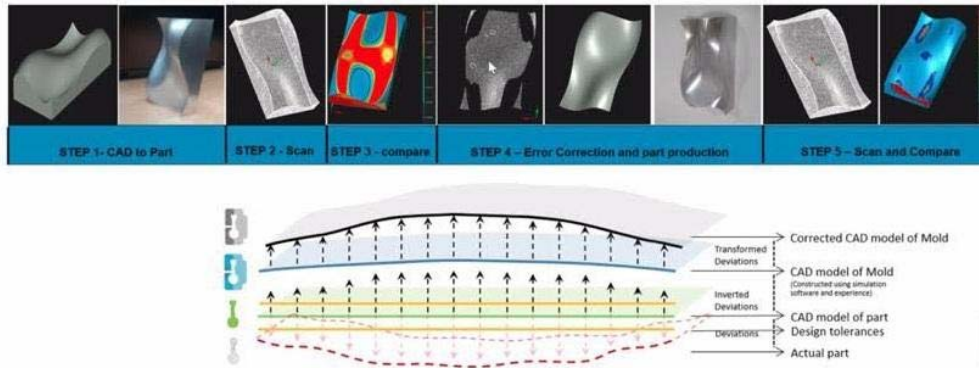


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## Snap – 3 Reverse Engineering Application

### Tool correction An example

Complete loop of actions from CAD to corrections



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## Snap – 4 Example of Tool Correction in ZRE Tool