

# 3D Design & Machining, LLC

3225 Christy Way North, Saginaw, Michigan 48603

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## EQUIPMENT LIST

### MACHINERY

- ◇ **2013 GROB G350** 5 axis horizontal machining center  
23.6" x 33.6" x 29.5" travel with Blum laser and probing system
- ◇ **2007 Okuma MA-400HA** 4 axis horizontal machining center  
22" x 24" x 24" travel with twin pallets
- ◇ **2014 Okuma Genos M560-V** 4 axis vertical machining center  
41" x 22 x 18" travel with 200mm Nikken rotary
- ◇ **2015 Haas VF-1** vertical machining center  
20" x 16" x 20" travel with Renishaw probing system
- ◇ **2016 Okuma Genos L400** CNC turning center  
12.2" max turning dia x 20" Z axis travel
- ◇ **Cosen MH-270M** band saw
- ◇ **Brown & Sharpe No.5** surface grinder

### SOFTWARE

- ◇ **Mastercam 2021 - Mill Level 3** – programming and designing software
- ◇ **Mastercam 2021 - Mill Level 3 / Multiaxis** – simultaneous 4 and 5-axis machining software
- ◇ **JobBOSS<sup>2</sup> Shoptech** – accounting and shop floor management software
- ◇ **SolidWorks Inspection** – inspection software

### INSPECTION EQUIPMENT

- ◇ **Tesa Micro-Hite DCC 3D / PC-DMIS** software – measures directly from customer CAD
- ◇ **Sheffield Cordax 1808-M** – manual CMM
- ◇ **Gage Master GM5** comparator
- ◇ Bore mics from 20mm – 100mm
- ◇ Gage pins from 0.011 to 0.750 and gage block set