

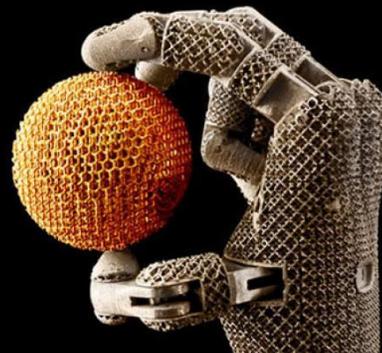
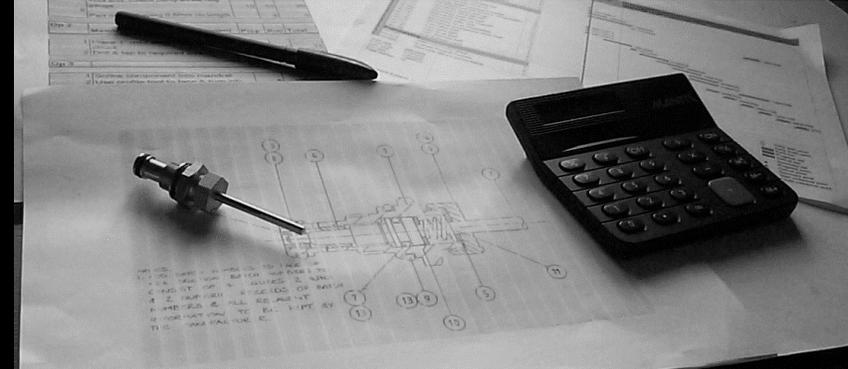


REALIZED MFG.
MANUFACTURING REIMAGINED



**MANUFACTURING
CAPABILITIES**

RESOURCES WE CAN DEDICATE TO YOU!



MULTITASK MACHINING

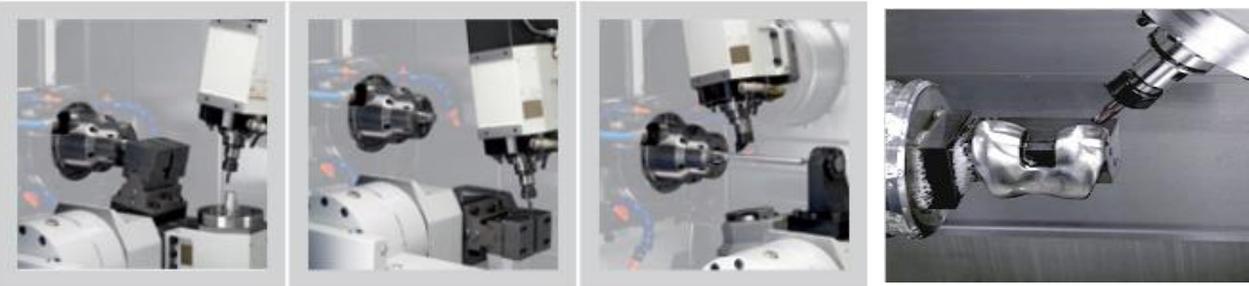
Willemin Macodel 508MT Series Machines



Bar Feed machining that can complete your most complex part in 1 setup.

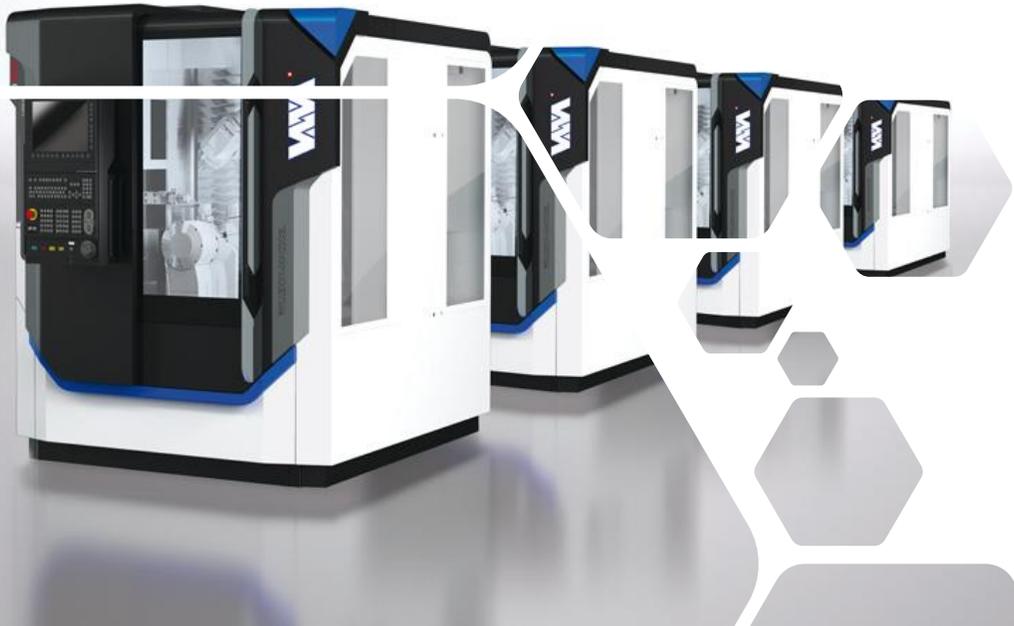
5-AXIS MILL-TURN

Our Willemin Department operates 508MT machines with Robotic part handling & in machine feature / part probing via Renishaw.



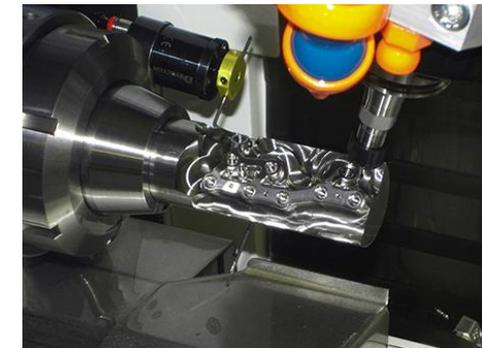
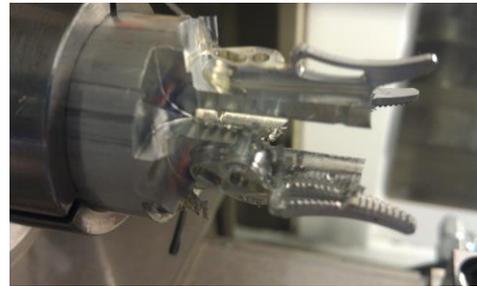
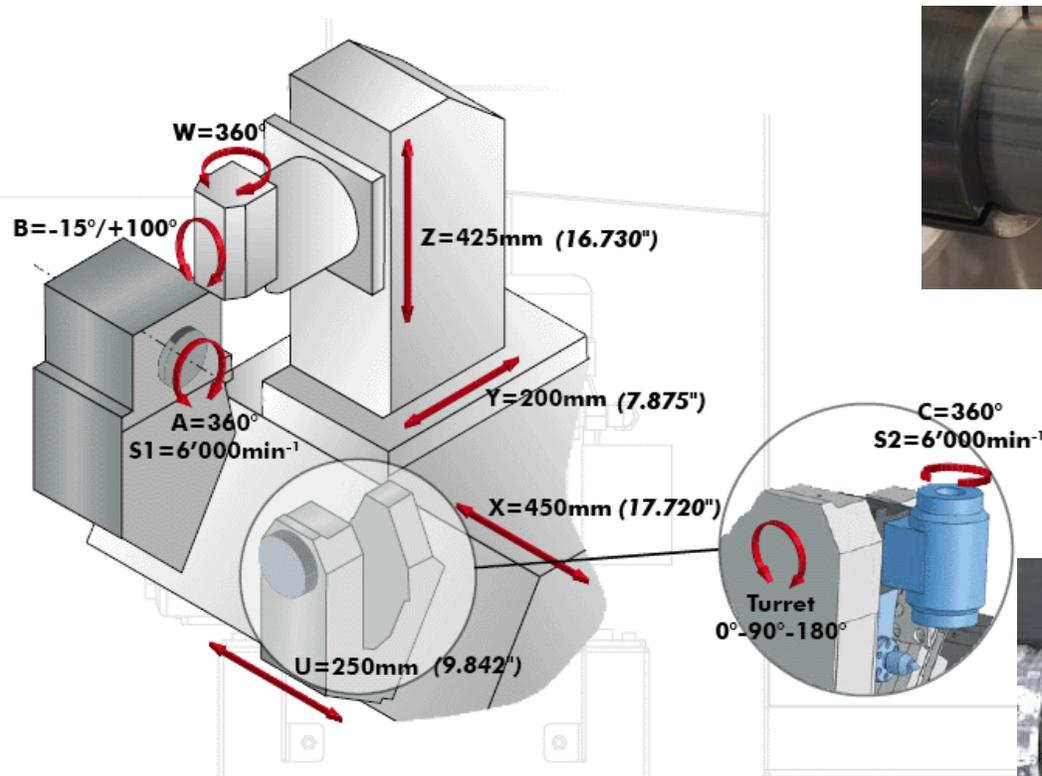
508MT2

- Main Spindle Capacity 42mm Dia bar
- Main/Sub Spindle 6,000 RPM
- Sub Spindle Capacity 38mm Dia
- Milling Spindle 30,000 RPM
- Full 5-axis main & sub machining
- DTS Thermal Stability control
- LNS bar feeder up to 6' bar Capacity
- Robotic loading & unloading of parts
- MotorEX Swiss Cut Ortho Cutting Oil



5-AXIS MILL-TURN IN ACTION

The 508MT is a multi-process machining center dedicated to machining Done-In-One from 42mm bar stock. It is equipped with a B-axis and high precision main & counter spindle, precision vice and live center. Our machines are outfitted with automation robots, that can measure, load and unload production parts for unattended operation



5-AXIS MACHINING

Hwacheon UL Series Machines



5-Axis machining with interchangeable pallet/fixturing system.

5-AXIS MILLING

Our 5-axis milling department operates Hwacheon Milling machines as they are synonymous in the High-speed Die Mold industry for precision and accuracy.



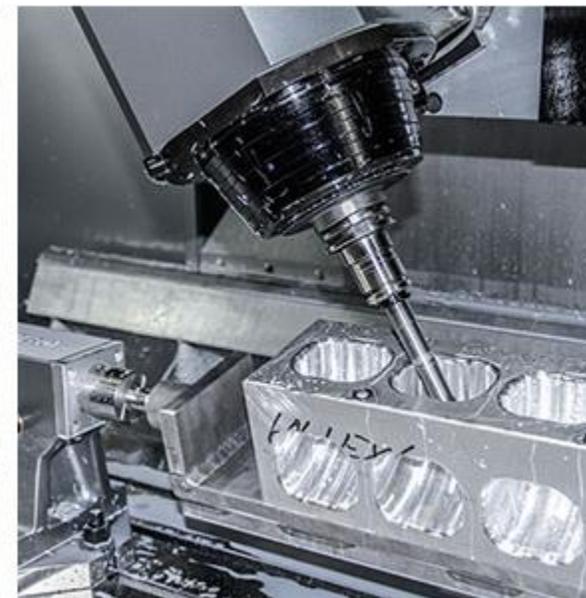
Sirius UL

- Table Capacity **1,050mm x 600mm x 350mm**
- High Speed Spindle **24,000 RPM**
- Cutting speeds up to **30 mpm**
- **Coolant management system**
- **Thermal stability control**
- **System 3R** fixturing
- MotorEX Swisscool 3000 water mencable

5-AXIS MILLING IN ACTION

Our 5-axis milling department operates High accuracy, High Speed, Sirius machining centers equipped with in machine feature / part

probing via Renishaw.



3D PRINTING

3D Systems Series Machines

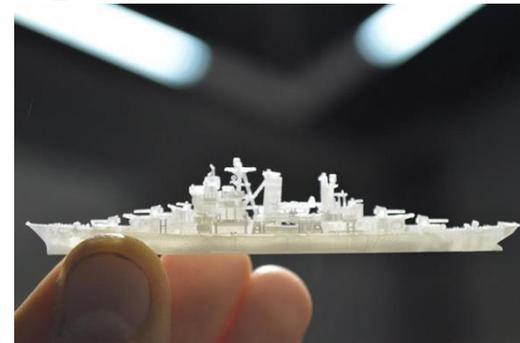
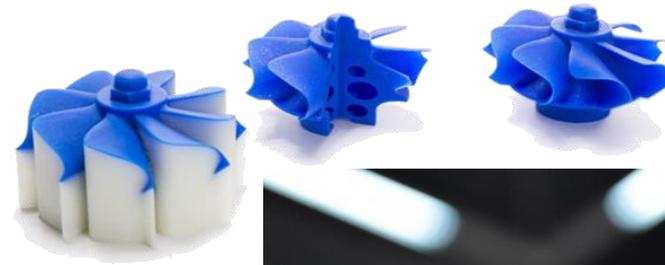


DMLS _ MJF _ BJJ Titanium & polymer composite printing

PROOF-OF-CONCEPT USABLE PARTS

Our 3 ProJet MJP 3600 UHD printers provide exceptional detail and assembly constructs

- 16 micron resolution
- VisiJet Crystal, Black, Navy, White mtrl.
- As well Procast for castings



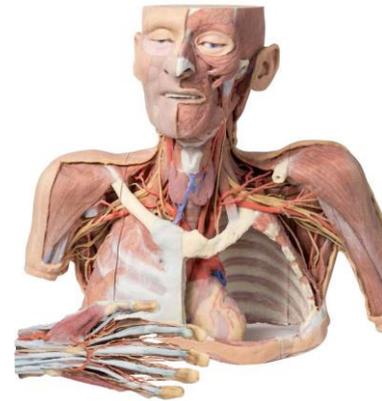
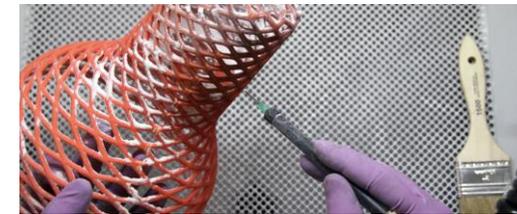
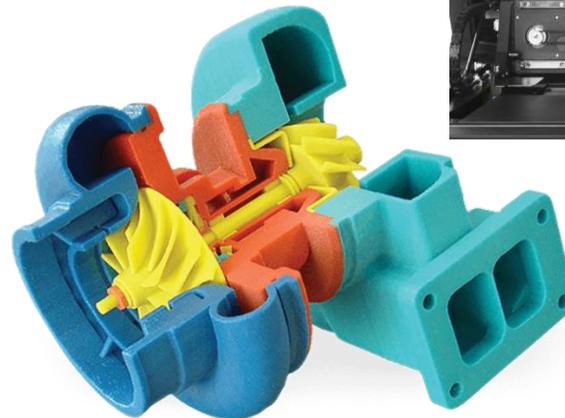
WHEN DETAILS MATTER, DON'T SETTLE.



PROOF-OF-CONCEPT FULL COLOR

Our ProJet 4500 UHD printers provide exceptional full color assembly constructs

- Great for complex assembly or surgical training
- 20 micron resolution



QUALITY INSPECTION

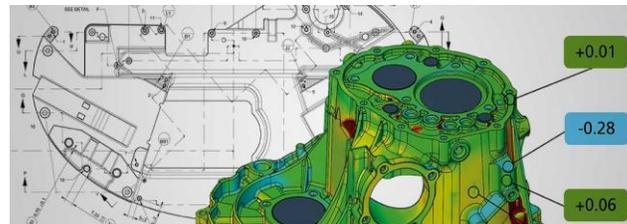
GOM 3D Capture system



Blue Light Scanning inspection & reverse Engineering Services.

3D SCANNING

Our ATOS Q system is designed as a flexible scanner for complex measurement tasks. With interchangeable lenses ensuring high-precision measurements of small to medium sized parts. This system enables serial quality control with high throughput and high process reliability.



ATOS – Q 12M

- 12 million points per scan
- Measuring area **100 x 70 - 500 x 370**
- Triple Scan Principle
- Self Aligning software
- 5-axis tilt/rotate stage
- System 3R fixturing
- Aerospace certified accuracy and repeatability
- Less than **3min scan time**

REVOLUTIONARY NON-CONTACT TECHNOLOGY

In almost all industries, ATOS sensors have established themselves as the optical measuring system to use. Out of 51 entries Capture 3D was awarded the winner of the GE Aviation High Accuracy Inspection challenge.



COMPLIANCE



- ISO 13485:2016
- ITAR Compliant
- Cage Code: 8F9U9
- JCP Code: 0083873



THANK YOU

330.353.8877
sales@realizedmfg.com

WWW.REALIZEDMFG.COM

