MANUFACTURING CAPABILITIES

RESOURCES WE CAN DEDICATE TO YOU!
Bar Feed machining that can complete your most complex part in 1 setup.
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**
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 with interchangeable pallet/fixturing system.

Hwacheon UL Series Machines
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
Our 5-axis milling department operates High accuracy, High Speed, Sirius machining centers equipped with in machine feature / part probing via Renishaw.
3D Systems Series Machines

DMLS _ MJF _ BJF Titanium & polymer composite printing
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
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.
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**
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.
• ISO 13485:2016
• ITAR Compliant
• Cage Code: 8F9U9
• JCP Code: 0083873