

# MAGELLAN INFO BITE

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## MAGELLAN INVESTS IN NEW 2D AND 3D LASER CUTTING TECHNOLOGY

This fall, Magellan's Winnipeg facility accepted delivery of a new TRUMPF TruLaser Cell 7040 5-axis, 4 kilo-watt laser cutting system. This technology represents a monumental step forward in the 2D and 3D sheet metal processing capabilities, providing the ability to cut complex components and shapes.

The TruLaser Cell 7040 has numerous benefits:

- The TruLaser Cell 7040 cuts HS188 and L605 material an astonishing 1131% faster than conventional technology.
- The ability to cut most parts to net shape with no subsequent heat affect zone removal, essentially eliminating the need to hand trim parts.
- Doubles the size of the work zone available for Magellan to accommodate larger parts.
- The work zone is modular and can cut parts on one side of the work zone while parts are being loaded simultaneously on the other. For most applications, this results in greatly reduced setup time.
- No requirement for anti-spatter in most applications. However if it is required, it can be simply sprayed on and rinsed off with water.
- The ability to develop and make its own simple fixtures. For short run parts, a part model can be input into the machine's software, and it will develop a fixture, which can then be cut out of sheet stock on the laser and welded together for use.

The TruLaser Cell 7040 machine was manufactured at TRUMPF's facility in Ditzingen, Germany. The laser cutting cell arrived in Canada in five large containers by sea at the port of Montreal. Subsequently the machine was loaded onto five transport trucks for travel to Winnipeg by road.

Currently training is underway for Magellan's machine operators, NC programmers, process engineers, and maintenance personnel.

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