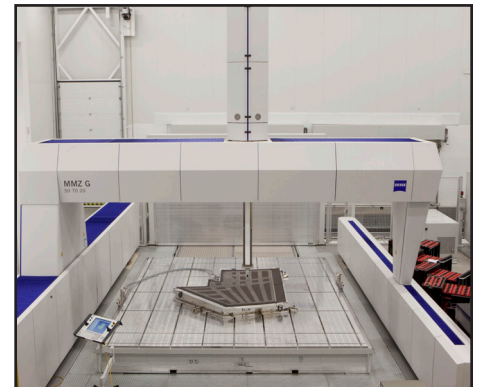
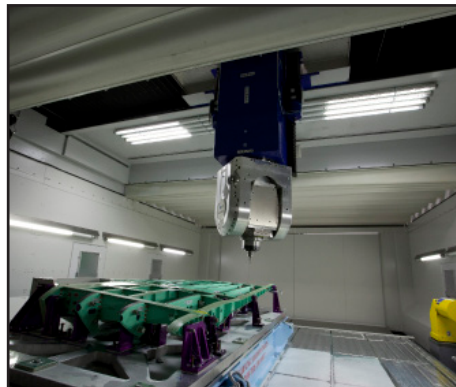
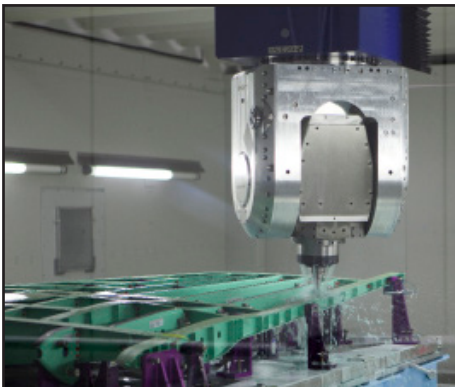


PRECISION MILLING MACHINE & COORDINATE MEASURING MACHINE

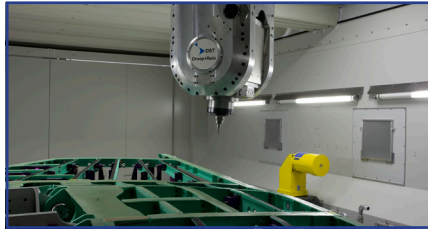


ENVIRONMENTAL CONTROL • ACCURACY • INTEGRATED INSPECTION



ABOUT THE CMM/PMM

- Full machine controlled trimming and drilling of composites and assembled structures
- Integrated CMM inspection of machined features
- Environmentally controlled area to 20C ± 1C (68F ± 2F)
- Features:
 - BALUFF integrated robotic tool cabinet
 - Kinematic management system (KMS) compensation system installed
 - Dual filtration for metallic and composite
- Pallet system is integrated between the PMM and CMM
- Zoller tool preset and balancing with BALUFF integration
- Five axis compensation



PMM



Zoller tool station



Component on CMM pallet



PMM operator

	PMM	CMM
Axis		
X	• 268" (6800 mm)	• Same as PMM
Y	• 197" (5000 mm)	
Z	• 71" (1800 mm)	
A	• ± 120° (continuous)	
C	• ± 360° (continuous)	
Spindle Speed	• 24,000 RPM (40kW) (53.6 HP) • 10,000 RPM (20 kW) (26.8 HP)	• N/A
Feed Rate	• 40,000 mm/min (X-Y) 1600 in/min • 30,000 mm/min (Z) 1180 in/min	• 15,000 mm/min (X) 590 in/min • 12,000 mm/min (Y-Z) 472 in/min
Pallets	• 4	• Same as PMM
Volumetric Accuracy	• 60 µm (0.0022")	• 6 µm (0.00022") + L/250
Manufacturer	• DST (FOG-S)	• Zeiss (MMZ-G 50 70 20)
Controller	• Siemens 840D	• Calypso w/ RDS/VAST
ACC/DEC	• 3.2 m/s ² (0.33 G)	• 0.35 m/s ² (0.03 G)

ABOUT MAGELLAN AEROSPACE

Magellan Aerospace is a global aerospace company that provides complex assemblies and systems solutions to aircraft and engine manufacturers, and defence and space agencies worldwide. Magellan designs and manufactures aeroengine and aerostructure assemblies and components for aerospace markets, advanced proprietary products for military and space markets, and provides engine and component repair and overhaul services worldwide. Magellan is a public company whose shares trade on the Toronto Stock Exchange (TSX: MAL), with operating units throughout North America, Europe, and India.

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