

Forest-Liné MGP™ 300

High-speed bar machining center



The Forest-Liné MGP™ 300 high-speed machining center is adapted to medium and long parts and is dedicated to the aerospace industry. It has been developed to perform both drilling, milling, chamfering, routing and end-machining operations on aluminum bars.

- State-of-the-art 12 axis machining center dedicated to the aerospace industry
- High speed and fully automatic machining
- Patented Push-Pull process for continuous bar feeding under the spindle
- Temperature offset system
- Continuous machining process (no windowing)

Forest-Liné MGP™ 300: the unrivalled-productivity bar machining center dedicated to aerospace medium and long parts

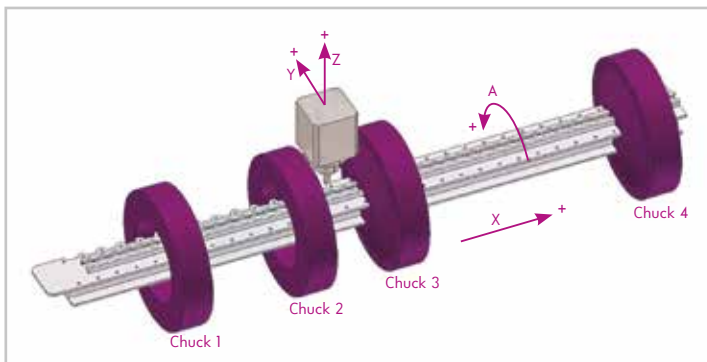
The Forest-Liné MGP™ high-speed machining centers have been developed to perform drilling, milling, chamfering, routing and end-machining operations on large aluminium bars.

Technical features		
Usable profile section	220x260 mm Profile shapes: L, T, H, Z, etc.	
Profile length	Frequently used from 1,000 to 12,000 mm	
NC	Siemens 840D	
Electrospindles	1 main	Rotation speed: 1,000 to 24,000 rpm Power: 40 kW Maximum torque: 56 Nm
Tools	Tool carrier	HSK 63
	Number of tools	50

Forest-Liné MGP™ also exists for machining 150x150 mm profile sections.

MACHINING PRINCIPLE: A UNIQUE AND PATENTED PROCESS

- 4 synchronized chucks
- Push-Pull process for continuous bar feeding under the spindle
- Auto-reverse process
- Reduced number of machining windows to eliminate recovery traces
- Part machining in one operation: no operator intervention needed
- Sophisticated software for an infinite variety of chuck movement combinations
- Hidden time task performance (preparation, dimensional checks, maintenance, ...)
- No foundations required



ADVANTAGES

Unrivalled productivity

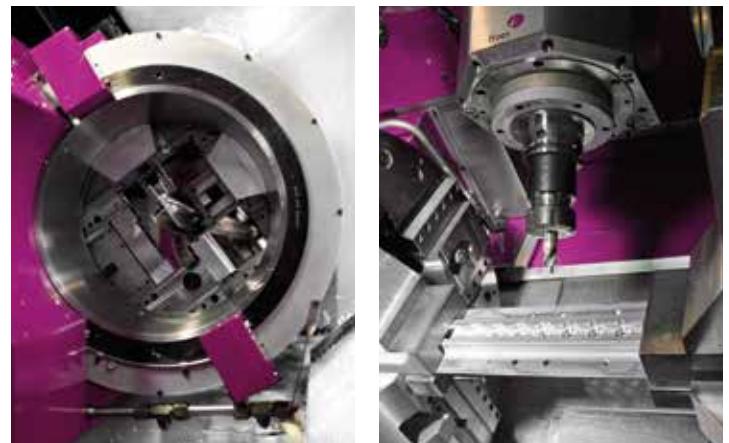
- Fully automated process
- Linear motors with rapid feed rate (60 m/min)
- Continuous bar feeding and machining
- Fast loading and unloading

High quality on medium and long parts

- High rigidity spindle
- Probing system
- No windowing
- Temperature offset system
- Motorized tunnels to machine long and heavy parts without deformation

Advanced process

- Easy programming
- Flexible chuck movement combinations
- Reduced maintenance costs
- Flexible jaws, reduced tooling cost



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