



HIGH PRECISION
MACHINES

MATERIAL
REMOVAL

Forest-Liné MGP™ 150

High-speed bar machining center



The Forest-Liné MGP™ 150 high-speed machining center is adapted to short and medium 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.

- High speed and fully automatic machining center dedicated to the aerospace industry
- Patented Push-Pull process for continuous bar feeding under the spindle(s)
- 3 active spindles
- Temperature offset system
- Continuous machining process (no windowing)

Forest-Liné MGP™ 150: the unrivalled-productivity bar machining center dedicated to aerospace short and medium parts

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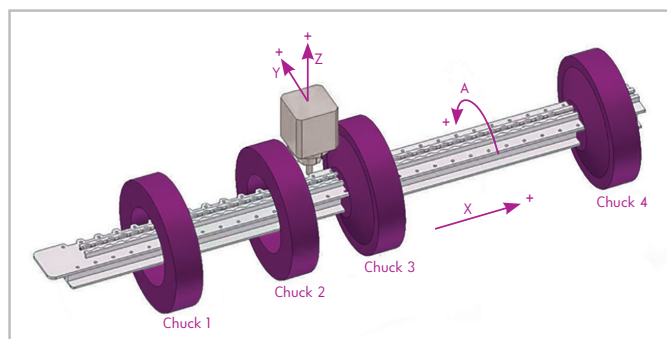
Technical features		
Usable profile section	150 x 150 mm Profile shapes: L, T, H, Z, etc.	
Profile length	Frequently used from 1,000 to 10,000 mm	
NC	Siemens 840D	
Electrospindles	1 main	Rotation speed: 1,000 to 21,000 rpm Power: 12 kW Maximum torque: 6,5 Nm
	2 additional electrospindles (option) Rotation speed: 21,000 rpm Power: 2,6 kW	
Tools	Tool carrier	HSK 50E
	Number of tools	24

Forest-Liné MGP™ also exists for machining 220 x 260 mm profile sections.

MACHINING PRINCIPLE:

A UNIQUE AND PATENTED PROCESS

- 3 or 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
- 3 active spindles
- Continuous bar feeding and machining
- Fast loading and unloading

High quality on short and medium parts

- High rigidity spindle
- Probing system
- No windowing
- Temperature offset system

Advanced process

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



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