

Forest-Liné Serimill

Heavy Duty Gantry Mill



The Forest-Liné Serimill Universal 5-face portal type machining center with fixed cross rail and with its single size is the ultimate choice in machine-tool industry, general machinery and mould/dies manufacturing.

- Outstanding price/performance ratio
- Integrated universal milling head - 37 kW / 1 000 Nm / 6 500 rpm (S1)
- Large size moving table: 6 000 x 2 500 mm
- Highly stiff structure and optimized damping
- The structure has been engineered focusing on:
 - Thermal stability
 - High accuracy over time
 - Durability of the components
- Optional packs

“Over 200 Heavy Duty Gantry Mill machines in production worldwide”

The Forest-Liné Serimill is the universal machining center with a large moving table of 6 x 2.5 m an integrated 5-face milling head of 37 kW – 1 000 Nm – 6 500 rpm (S1)

The Forest-Liné universal head is famous worldwide to be extremely reliable, precise and productive.

In its off-the-shelf version, the Forest-Liné Serimill is equipped with all necessary equipment such as part probe, cooling device and 2 chip conveyors.

Optional packs bring enhanced features, higher productivity and added safety .

The Forest-Liné Serimill is equipped with the latest CNC system available on the market: Siemens 840D SL or Heidenhain iTCN 630.

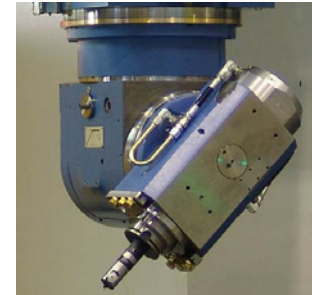
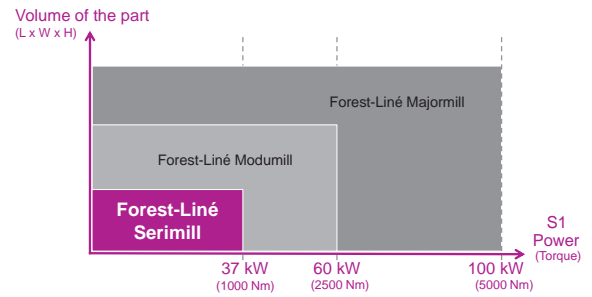
Based on a stable and accurate structure, the Forest-Liné Serimill offers a very versatile solution for high performance production needs.

OPTIONS:

- Pack “Tool Management”
 - ATC 60 tools
 - Tool management software
 - Tool laser measurement
- Pack “Secure Process”
 - Geometry auto-calibration
 - Collision detection device
 - 3D-model of the machine for simulation software
- Pack “Full Protect”
 - Full enclosure
 - Lighting of the working area
- Pack “Production Starting kit”
 - 2 weeks assistance after final acceptance
 - 1 week engineering training

FEATURES:

- CNC: SIEMENS 840D sl or Heidenhain iTNC
- User-friendly integrated HMI: FL Vision
- Direct measuring system
- Renishaw RMP60
- Two Chip conveyors
- Flood Coolant
- Eco design
- EC certification



Forest-Liné Serimill specifications

Working area - moving table	
Length	6 m (20 ft)
Width	2.5 m (8 ft)
Table load	3 T/m ²
X Axis (Longitudinal)	
Feed rate	30 m/min (1 200 in/min)
Travel	6 m (20 ft)
Y Axis (Horizontal)	
Feed rate	30 m/min (1 200 in/min)
Travel	3.5 m (12 ft)
Z Axis (Vertical)	
Feed rate	30 m/min (1 200 in/min)
Travel	1.5 m (5 ft)
C Axis (Rotary)	
Travel	+/-180° indexing every 0.0001°
A Axis (Rotary)	
Feed rate	+/-200° indexing every 0.0001°
Universal spindle unit	
Power	37 kW (50 hp) – S1, 100%
Torque	1 000 Nm (737 lbf.ft) – S1, 100%
RPM	6 500 rpm

Some references for Fives machining solutions: AC2R, Amada, Bamtri, Black Clawson, Bunorm, COFA, Duarte, Jinan n°2, Komatsu, Kuhn Huard, Martin, Mecanumeric, Mecoutil, MGR, Pichon Industries, Polytype, Potain, Protoline, RMG, Roche, SMB, SNCF, SACM, SMOM, Sonomec, Sotrallem, Van De Wiele, Vernet, Zeisler

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