The Forest-Liné Majormill is a powerful, robust solution for large capacity machining, providing high accuracy and long term reliability: up to 100 kW and 5,000 Nm. The machine is available in various configurations: moving table, moving gantry, fixed or moving cross rail, mill-turn rotary plate...

- Spindle motor up to 100 kW / 5,000 Nm (S1)
- Wide variety of milling heads available (AAC)
- Key components such as milling heads and turning table designed and manufactured in-house
- The structure has been engineered focusing on:
  - Thermal stability
  - High accuracy over time
  - Durability of the components

- Highly stiff structure and optimized damping
- Automatic docking heads for milling
- Customizable with many peripherics
- Highly efficient user-friendly interface
- Advanced features for secure machining process
The Forest-Liné Majormill is the largest and most powerful machining center with a modular design from 70 to 100 kW (S1).

The modular design can be adapted in various ways to suit all special requirements:

— Travel lengths can be adjusted; the machine can be supplied with a fixed or adjustable cross rail for machining parts with various heights.
— The machine may be configured with separate working areas: pendular machining for increased productivity. To further enhance flexibility, an in-house made rotary plate may be integrated into the machine floor plate.
— The wide choice of milling heads, the ability to customize on-request and to achieve complex and demanding machining tasks offer a wide potential for numerous applications.
— The machine is available with 3 + 2 axes or as a full five-axis and can be equipped with an automatic head changer.
— Based on a stable and accurate structure, the Forest-Liné Majormill series offer a very versatile solution for high performance production needs in an extended range of applications.

OPTIONS:
— Indexed or continuous cross rail (W-axis)
— Milling or Mill-Turn rotary plate
— Pendular machining
— Automatic spindle head changer
— Automatic tool changer
— Tool management system
— Spindle-mounted probe
— Integrated tool calibration laser
— Chip conveyors
— Coolant systems
— Mist collection system
— Full enclosure
— CNC: Heidenhain or Fanuc
— Power adaptive control
— Production securing pack
  • Collision detection device
  • GFACS: Geometry Five-Axis Control System
— FMS cell automation
— Engineering service/Production support
— Others on request

FEATURES:
— CNC: SIEMENS 840D sl or HEIDENHAIN iTNC
— User-friendly integrated HMI: FL Vision
— Direct measuring system
— C-axis integrated in the ram
— Eco design
— CE certification


X Axis (Longitudinal)
- Travel: 4 m to 50 m (13 to 165 ft)
- Feed rate: Up to 40 m/min (1,600 in/min)

Y Axis (Horizontal)
- Travel: 3.5 m to 6.5 m (11 to 20 ft)
- Feed rate: Up to 40 m/min (1,600 in/min)

Z Axis (Vertical)
- Travel: 800 to 2 m (3 to 6.5 ft)
- Feed rate: Up to 40 m/min (1,600 in/min)

W Axis (Vertical)
- Travel: 1 to 3.5 m (3 to 11 ft)
- Indexing or continuous
- Feed rate: 1 m/min (40 in/min)

C Axis (Rotary)
- Travel: Indexing (0.001°, 1°, 2.5°)
- or continuous; +/- 200 deg; n x 360°
- Feed rate: Up to 10 rpm

A Axis (Rotary)
- Travel: Indexing (0.001°, 1°, 2.5°)
- or continuous (+/- 110 deg)
- Feed rate: Up to 10 rpm

Milling Head - Gear driven spindle
- Power: Up to 100 kW (134 hp)
- Torque: Up to 5,000 Nm (3,688 lbf.ft)
- RPM: Up to 7,500 rpm


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