

MGP 300, High speed profile machining center



Machine tools
for the aerospace
industry

Simplified programming and higher feed rate

Handles the most sophisticated machining operations, without restrictions or delay

The latest technologies to answer today's and future needs

Infinite profile length machining process

→ Designing today the machining solutions of the future



MGP 300 is a revolutionary machine tool, designed to machine profiles with large cross-sections up to 300 mm

Suitable for all bar cross-sections now in use in aircraft programmes, it incorporates the latest technological achievements in motors, servos and feedback elements:

- 40 kW (24,000 rpm) high-frequency spindle
- 12 NC axes, 5 of which on linear motors and 2 on annular torque motors, all controlled by a Siemens 840D CNC
- Part length from 100 to 12 000 mm or higher
- Bar machining is continuous, with no length restriction, thanks to 4 synchronized chucks and a unique patented "push-pull" process
- A 50-tool capacity changer to handle the most sophisticated machining operations, without restriction or delay

The best performer on the market:

- The spindle assembly allows for the use of high performance cutting tools (HSK Type)
- A computer designed and tested integral 9 meter and 12 ton base supports all working components
- Maximum motion accuracy and stiffness of the tool as well as of the part being machined are ensured by an integral crossrail attached to the base
- Sophisticated software purpose developed to provide for an infinite variety of combinations of chuck motions and clamp-release actions as required to move any workpiece smoothly and continuously under the spindle

Our strength:

- A remarkable machining quality in long and complex parts
- Significant time savings due to continuous bar feeding under the spindle
- Infinite profile length machining process

