

stair

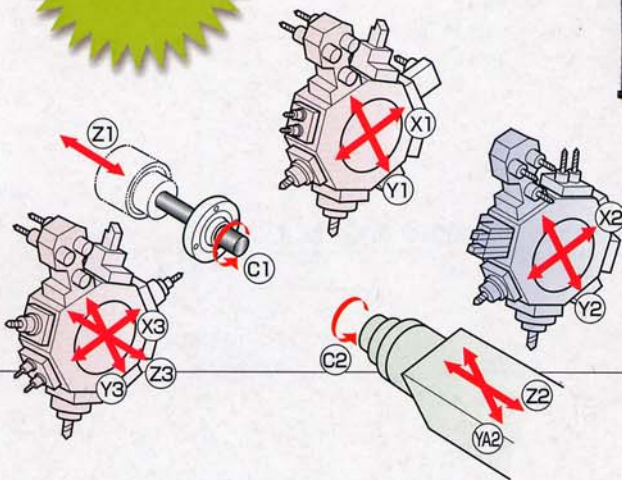
SWISS TYPE AUTOMATIC LATHE equipped with Motion Control System

Comprehensive rear-end machining by turret exclusively designed for back-working

Universal and varied overlap machining by using three independent turrets

ECAS 20T

type A / type B



NOTE : Only type B is equipped with the YA2 axis.

ECAS-20T with complex machining capabilities enhanced for both the front and back ends equally. Machining of complicated components can be dramatically changed.

High Productivity

- Simultaneous machining such as turning, milling, etc. by opposed twin turret tooling seriously reduces the machining time.
- Independent machining of front and rear ends by back-working turret tooling for improved cycle time. Where possible 3 tools can be "in cut" together.
- Several tools mounted on one side of the turret for reducing tool change time.
- Motion control system for reducing the control path change-over time, enhancing auxiliary functions and reducing the processing time.
- Increased rapid traverse rate and acceleration speed of each controlled axis for reducing the positioning time.
- Direct C-axis indexing function for reducing the spindle indexing time.

Machining Capabilities

- Back working turret tooling enables complex machining equal to main operations.
- Combined with a high-pressure coolant unit enables deep-hole drilling (100mm) on both the front and rear ends.
- Machining of bar materials up to 350 mm in length is possible by only one chucking.

High Accuracy

- Main/Sub spindle cooling unit for limiting thermal displacement caused by heat generated from the spindle.
- Coolant chiller unit for limiting thermal displacement caused by heat generated from the power-driven tools and coolant flow.

Operability

- The pendant style control panel ensures operation at an optimum position for the operator.
- The rotary magic guide bush (optional) standardizes the bush adjustment work and reduces the set-up time.
- The 3D simulation software enables operators to confirm machining contents and check for mechanical interference.
- Data input/output via the USB memory is standard.

Environmental Measures

- Energy-saving hydraulic unit for reducing standby power consumption.
- High productivity for reducing energy consumption per component.
- Aggressive adoption of RoHS-compliant components for reducing toxic substances.

The multi-axis turret allows ultra high-speed and flexible machining of complicated components.

" ECAS-CAPABILITY TO PROFIT IN A SINGLE STEP "

