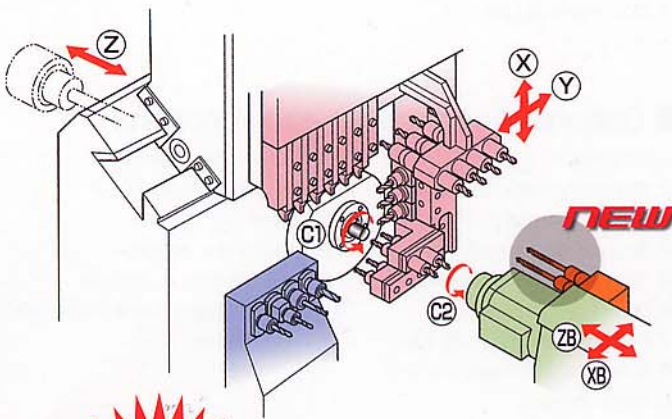


A control system and high-speed feed  
to reduce dramatically non-cutting time

A structure of superb rigidity  
thanks to Star original design

SWISS TYPE AUTOMATIC LATHE equipped with Motion Control System

# SR-20RIII



## High Productivity

- Rapid feed rate of 35m/min to minimize non-cutting time
- Reduced non-cutting time achieved by star motion control system that shortens a tool selection path and optimizes timing to process M and S codes
- Direct C-axis indexing function for reducing spindle indexing time

## High Rigidity

- A slanted sliding guideway structure for increased rigidity of the tool post
- A sliding guideway structure of the Z/B axis for increased rigidity of the rear head stock

## High Accuracy

- Reduction of mechanical vibration achieved by rigid machine structure and optimum control of moving part acceleration
- Employment of the spindle cooler unit for controlling thermal stability

## Machining Capability

- Front facing 2-axis drilling attachment for deep-hole drilling capability

## Durability

- Centralized lubrication system for all axes to prolong service life of ball screws and guideways
- Bearing life enhanced by double air purge of the guide bush and back spindle bearing

## Operation Efficiency

- Movable operation panel to ensure flexible operation at the best position
- Enlarged opening of the cutting chamber and manual pulse coder to simplify set-up operation

## Environmentally friendly

- Reduction of power consumption and waste oil through operation without using hydraulic pressure
- Reduction of energy consumption required for each part achieved by high operation efficiency and low power consumption
- Combination of the spindle with built-in cooler unit, high-speed and low-noise bearings, and sealed belt structure reduces noise during operation.

Outstanding Rigidity and Productivity offer exciting  
new possibilities

