A sliding headstock type automatic lathe that encompasses the entire process Turret + Gang type tool post + Back tool post, mounted Y-axis on three tool posts.
**Improved the milling capability on the complete processing aimed machine**

**Y-axis control on all tool posts of turret, front gang tool post and back tool post**

### 8-station turret
- Mounting plural tools on one station, and achieving the quick tool change with Y-axis without turret indexing.

### Back tool post equipping Y axis
- Milling with Y-axis can be performed by equipping live tools.
- Front milling with the tools on turret and back milling with the tools on back tool post can be simultaneously performed.

### 3-path control
- 3-path control reduces the cycle time drastically.

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**3-path control reduces the cycle time drastically**

- A variety of simultaneous machining styles available.

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"Double Spindle" structure enables powerful machining that produces blue colored chips.

- The double spindle structure that integrates the guide bushing and the spindle (in perfect synchronization) enables high accuracy and powerful machining.
- Since water-soluble coolant can be used, the risk of fire is reduced and greasy fume is not generated even heavy-duty machining is performed.
- Short remnant length (150 mm + workpiece length)
- 3 times faster feed rate, and 3 times greater productivity

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Simultaneous machining by back spindle (Built-in motor drive)

- Improved rotation and phase synchronization accuracy with the main spindle.
- The main/back spindle follow-up function enables rounding cut-off.

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Optimized tooling with the help of B038T automatic programming system

- Even with multi-path control, multi-axis control, or complex-shaped parts, a program with the optimal tooling and the shortest cycle time can be created.
- Tsugami’s machining know-how (machining processes, machining conditions, etc.) and the highest priority allocated to the matching of the machine hardware and software results in a system that enables novice programmers to create standardized, high quality programs, even for complex products that demand accurate results.