



# HIGH RIGIDITY STRUCTURE

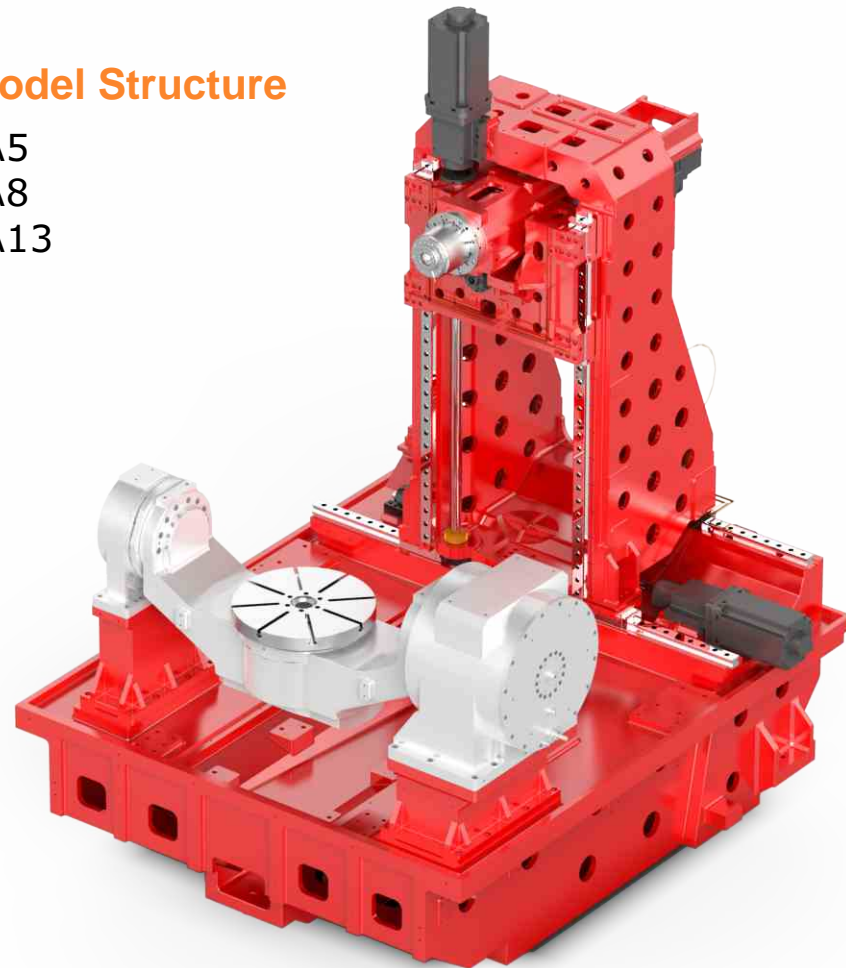


## Performance Advantages

- 1. The whole machine adopts a moving column structure, the tool moves on three axes, and the workpiece rotates on two axes, enabling five-axis linkage;
- 2. Lightweight design, linear axis rapid displacement 90M/min, acceleration 0.8G
- 3. Both A-axis and B-axis adopt direct drive structure, zero transmission chain, zero backlash, and good rigidity; high-precision angle encoder achieves precise positioning.
- 4. The lathe has a T-shaped structure and an X-axis stepped guide rail arrangement, with light moving parts and good stress;
- 5. The spindle adopts high-speed electric spindle, which is fast and low noise;
- 6. Three linear axis roller guides, low friction and high rigidity;

### Model Structure

A5  
A8  
A13



## Performance Advantages

- 1. Lightweight design, direct drive motor application, maximum rapid displacement up to 120m/min, fastest acceleration 1G.
- 2. Compared with gantry machine tools, horizontal machine tools have structural advantages such as better openness, easy maintenance, convenient material loading, and smooth chip removal.
- 3. Horizontal double five-axis machining center. The left and right independent three-coordinate units are distributed at both ends of the fixture. There is no risk of interference and collision. It can achieve double-sided simultaneous processing to the greatest extent and improve processing efficiency.

### Model Structure

A15L  
A20L



### Model Structure

A25L

## Performance Advantages

- 1. The whole machine adopts horizontal double five-axis cradle structure.
- 2. Good rigidity.

