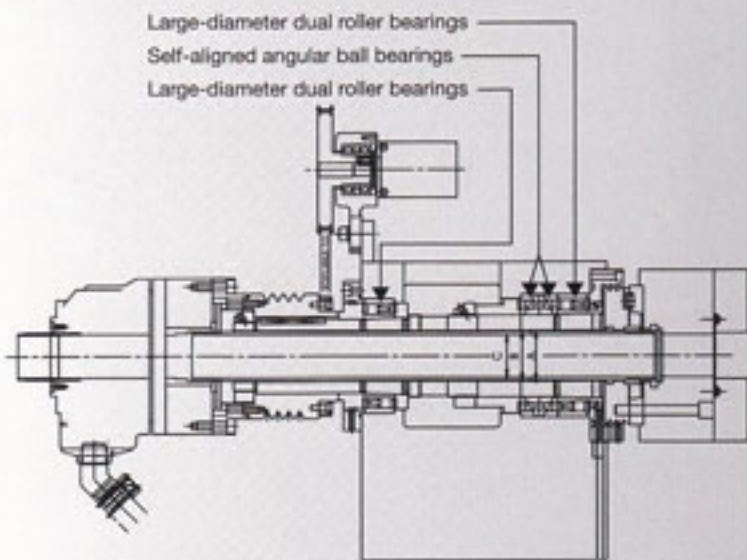


High-Speed, High-Precision, Axial Motion Mechanism



High-speed axial motion system

- High-speed X/Z-axes feed at 20/24 m/min, respectively, using late-model servomotor with greater torque to stabilize feeding. Absolute value encoder enhances positional accuracy and shortens processing time.
- High-speed pre-tension ball screw alleviates backlash and thermal elongation. Direct coupling motor drive reduces power loss and upgrades feeding precision.



Spindle design

- High-precision spindle is supported by large-diameter, dual roller bearings and self-aligned angular ball bearings.
- Twin optimized supports can resist any kind of axial or radial loading generated by high-speed precision turning or low-speed heavy-duty turning.

| Specification/Model | Inner diameter of spindle | Outer diameter of spindle bearings | Inner diameter of spindle bearings |
|---------------------|---------------------------|------------------------------------|------------------------------------|
| UT-200 | mm 62 | 150 | 100 |
| UT-300 | mm 86 | 200 | 130 |
| UT-300L | | | |

Spindle torque-power chart

