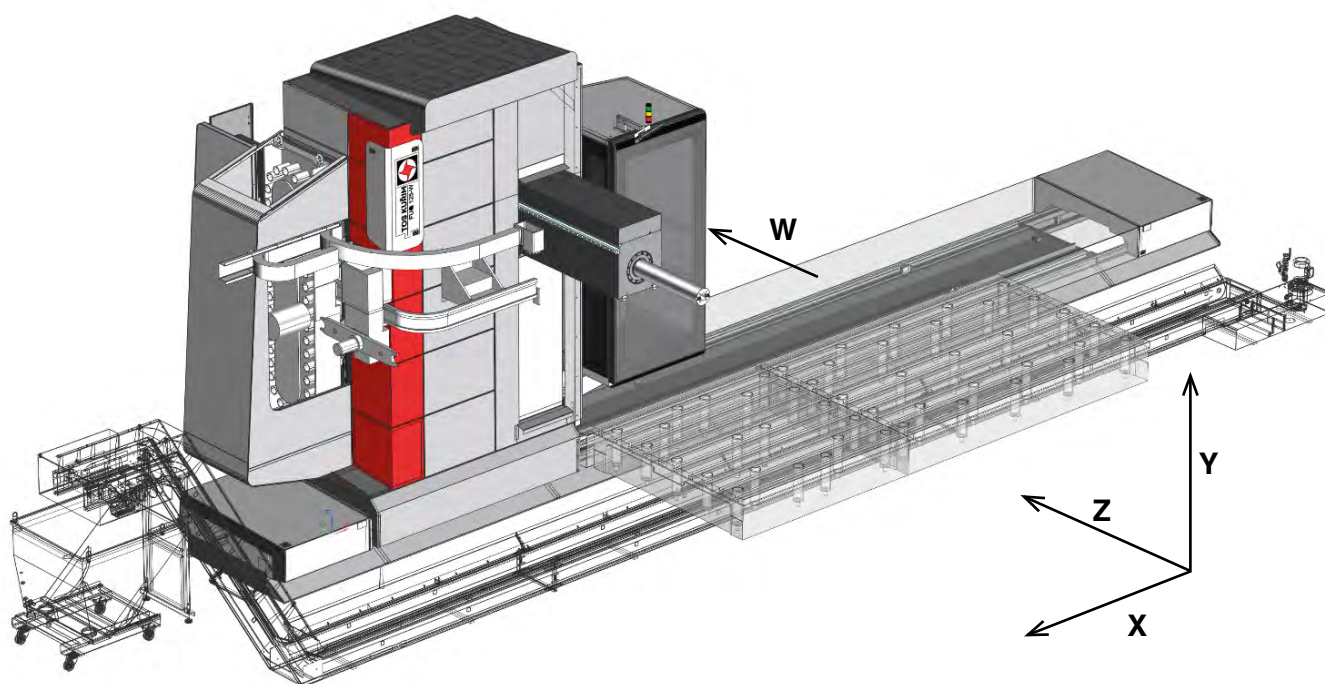


## Floor Type Horizontal Boring Mill FU 125-W

The TOS Kurim FU 125-W Floor Type Horizontal Boring Mill increases the capability of our FU Horizontal Milling Machine line. The FU 125-W is equipped with a 160 mm diameter Boring Spindle with up to 1 000 mm stroke. An additional right-angle head enables complex workpiece machining from 5-sides. Based upon the request, machines can be also equipped with different working space options, e.g. clamping plates, rotary tables or movable rotary tables designed and produced by TOS Kurim.



### FU 125 W machine main features:

- Main machine parts – castings (GG 25)
- Boring spindle diameter 160 mm with 1000 mm travel
- Control system: SIEMENS 840D sl, HEIDENHAIN TNC 640, FANUC 31i-B5
- Rack and pinion for X axis (column) travel
- Two ballscrews in vertical axis to increase headstock accuracy and rigidity
- Headstock balancing
- Headstock thermal stabilization
- Linear guideways in X, Y and Z axes
- Automatic lubrication in all linear axes
- Direct measuring by means of absolute HEIDENHAIN linear scales
- Air pressurized linear scales
- Right-angle milling head for workpiece side and top machining
- Wide range of special accessories (e.g. ATC, probes, high pressure center tool cooling, etc.)

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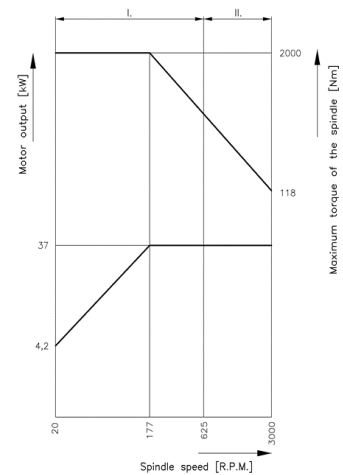
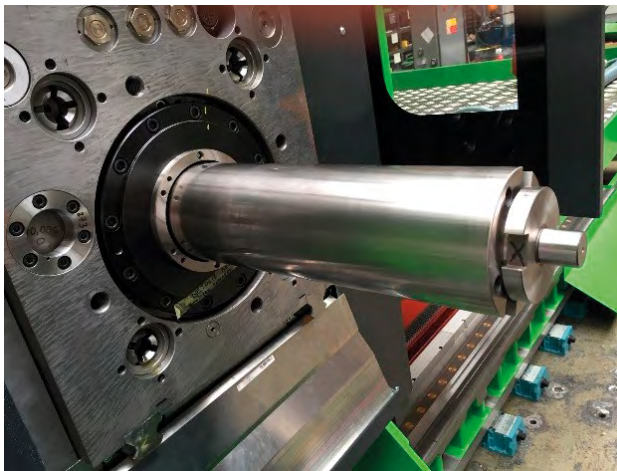
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## Boring Spindle And Right Angle Head Parameters

Boring spindle – main characteristic:

Spindle taper	ISO 50
Spindle speed range	20–3 000 rpm
Maximum spindle power S1 – 100%	37 kW
Maximum spindle torque	2 000 Nm



Right-angle head type IC10 for boring spindle headstock:

- The 2,5 degrees indexing mechanism is built into the head. (Optional 1 degree)
- The head has  $\pm 180$  degrees of movement.
- The spindle is driven by the main shaft of the ram through one pair of bevel gears
- The ball bearings are lubricated with durable lifetime grease

Spindle taper	ISO 50
Maximum spindle speed	20–3 000 rpm
Maximum spindle power S1-100%	37 kW
Maximum spindle torque	1 200 Nm
Indexing around ram axis	$\pm 180$ degree by 2,5 degrees
ISO 50 tool exchange	Automatic

