

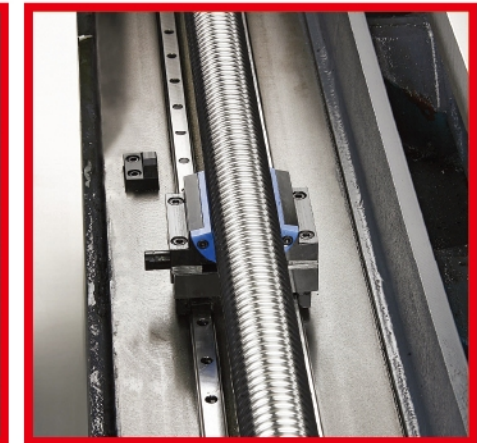
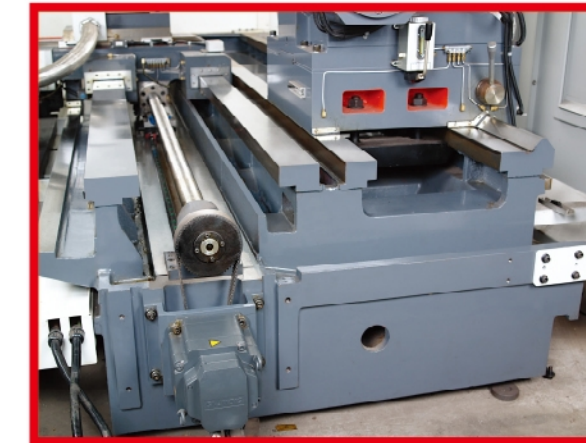
5 guide way / Spindle bore : 6", 9", 12" / Bed width: 49"
Strong, stable, smooth, and efficient processing advantages.



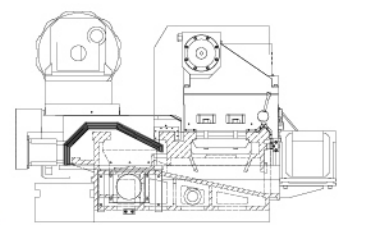
photo shown
 RHL-1120 X 4000
 (with optional full splash guard,
 optional hydraulic tailstock.)

R & D innovation structure multi guideway

- The bed is designed with 5 guideways as right figure
- Processing guide ways won't interfere with the guideways for work piece.
- The design of lead screw set in the middle let the effect of saddle movement to be smoother.
- Special design for apron support guideways provides larger cutting capacity with heavier load.
- Lathe over 4 meter will be mounted an extra linear way to strength the support capacity, increase the processing accuracy, and reduce the abrasion of ball screws.

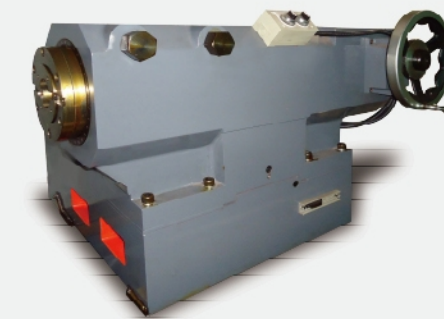


Linear way (for over between centers 4-5 meter)



Tailstock:

- Self-Rotary quill, when the main spindle turns, the tailstock's quill turns simultaneously (synchrony) with the main spindle, which lightens the load of tailstock's supporting workpiece. Increase the stability while processing.



- Mounted with taper roller bearings can bear heavy duty cutting.
- The quill is hardened and precision ground, adopted worm gear type design for quill's extending and retracting, matched with gear motor, that is controlled easily and has the effect of anti-retract function on quill.

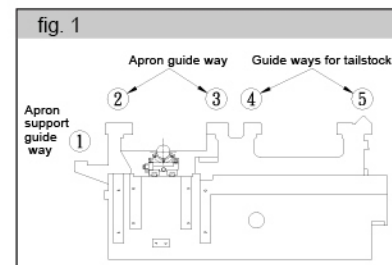


The main body of tailstock is matched with gear motor can move smoothly and matched with special rack device has an effect to prevent the tailstock body from retraction.

FEATURES:

Once complete processing procedure

This lathe is designed with multiple guideways. Because tailstock or steady rest are fixed on the 4th \ 5th guideways and saddle slides on the 2nd \ 3rd guideways while processing, it overcome completely the interference between saddle, tailstock and steady rest. Let saddle and tool turret complete smoothly the turning & processing procedure, operate easily and conveniently. (See fig. 1)



The smooth internal drive

Saddle, the bracket of ball screw and ball screw are mounted between the second and third guideway to correspond to each other. This distributes stress dispersed between the saddle and 2nd /3rd guideways evenly when ball screw drives the saddle, enable ball screw drive the saddle more smoothly.

Cutting large diameter, more stable, more precision

The saddle and tool rest travel along the second and third guideway, which is different from general configuration that suspended the cutting tool rest outside the second guideway. This unique design increases higher of stability and precision while cutting large diameter of workpiece.

Increase the cutting speed and sliding stability

While processing, even the cutting tool rest is shifted to the top or outside of the second guideway, the equipment of the saddle and tool rest traveling along the second and the third guideway provide support to absorb the torsion caused from cutting work on the saddle & tool rest . This innovation gives outstanding stability and accuracy.

Box-bottom bed design

High - rigidity body structure, the main structures of all aircraft used high MEEHANITE material. One piece casting. Box at the bottom of the design and strengthen their internal structure, raise the cutting strength of large work piece.

Auto. lubrication system

Auto lubrication system is controlled by PLC; oil will feed fixed volume during operating for XZ-axes. There are two judging ways for feeding oils during operation. It will judge to feed oils automatically when cutting to a fixed length or machine's running to a fixed time.



Spindle & headstock: 4-step speed auto change

The spindle is supported by 3-point precision heavy duty bearing and mounted with hydraulic cylinder used for automatic change speed. Adopted 4 steps gears control spindle speed, which enable to output full horse power under each speed, available for each accuracy and heavy duty cutting.