

U 305

HUNGER

Universal vertical turning and grinding machine for brake drums, brake discs ...



The development and manufacturing of vertical turning and grinding machines is a HUNGER speciality. We have been active in this field for more than 50 years. More than 4000 satisfied users of HUNGER vertical turning machines have endorsed this principle.

Advantages of the vertical design: all workpieces can be clamped and centered accurately on the horizontal worktable without any problem. The weight of the workpiece is distributed uniformly. As workholding devices can be used three-jaw chuck, locating flanges, taper plugs and special clamping devices.

The U 305 is designed for universal application, as well as for easy and convenient operation. It is precise in its operation and has a nearly unlimited life. The main spindle is carried on taper roller bearings fitted for life.

The speed of rotation of the worktable is steplessly variable. The feed is "intermittent". The vertical and horizontal feed drives are powered by electronically controlled, steplessly variable 3phase motors.

LCD-digital read-out



For rapid and precise adjustment of the drum turning diameter and the rotation speed LCD digital read-outs can be incorporated.

Swivelling jib crane



For the loading and unloading of the U 305 suits the free standing jib crane which can be delivered with an electric or a manual hoist.

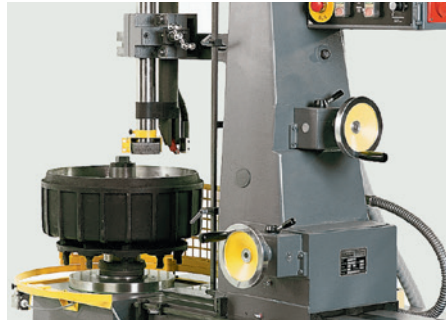
... flywheel clutch faces, brake linings, cylinder heads and many other workpieces.



Brake drums



Usually brake drums are just turned. This can be carried out either in the upward or downward direction using the automatic feed. For instance, a downward roughing cut and an upward

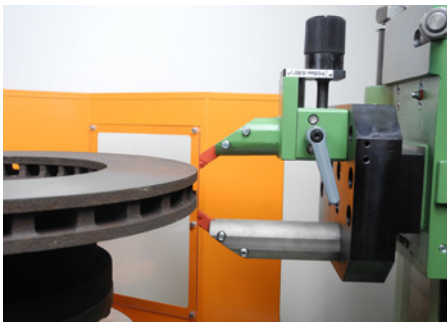


finishing cut can be employed. It is, of course, also possible to grind the brake drums either subsequent to turning or simultaneously with it.



With the U 305 also brake drums with complete mounted sets of wheels can be operated. Necessary therefore is the long swivel arm.

Brake discs



Brake discs of any size can be mounted in the three-jaw chuck and finely turned on both sides simultaneously with the double toolholder.

Flywheels

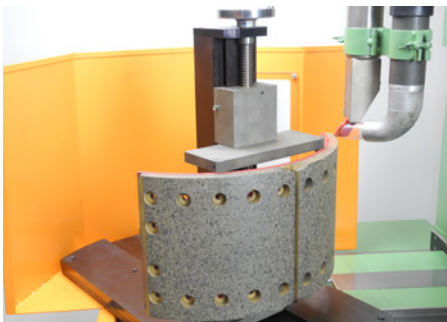


The turning or grinding of the clutch face on small or large flywheels presents no problem. The workpieces are gripped quickly and accurately in the three-jaw chuck.



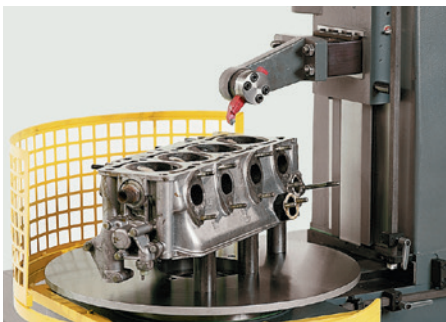
The surface grinding attachment for cross-hatch grinding attaches to a special support on the long swivel arm.

Brake linings



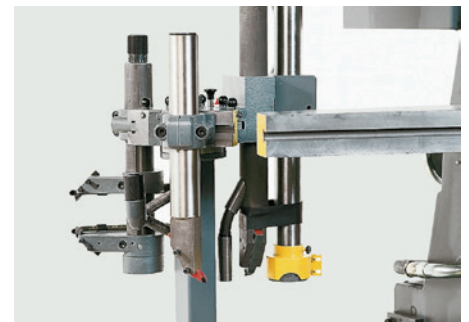
The U 305 is also suitable for skimming brake linings as well as for facing cylinder heads by turning and grinding.

Cylinder heads



Turning fixtures and workholding plates for many applications can be supplied.

Tool changer



The 2 station tool changer keeps toolholders and other equipment ready for use.

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