



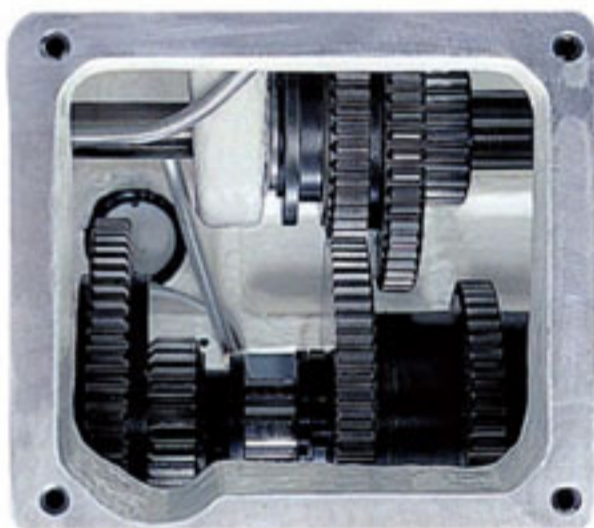
20VS Head



20VN Head

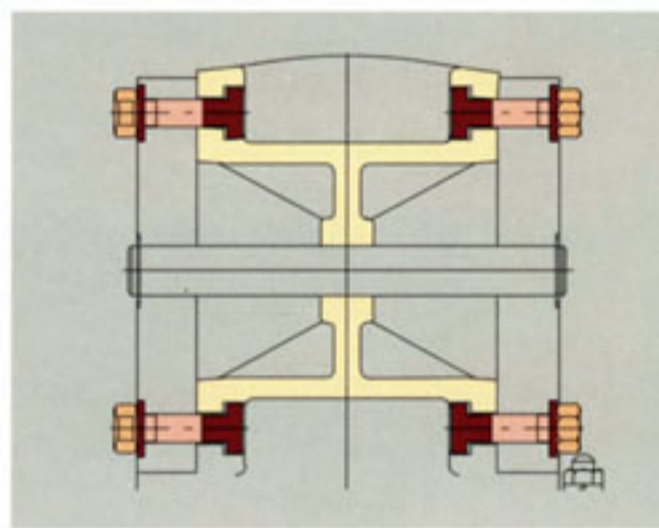


2G Head



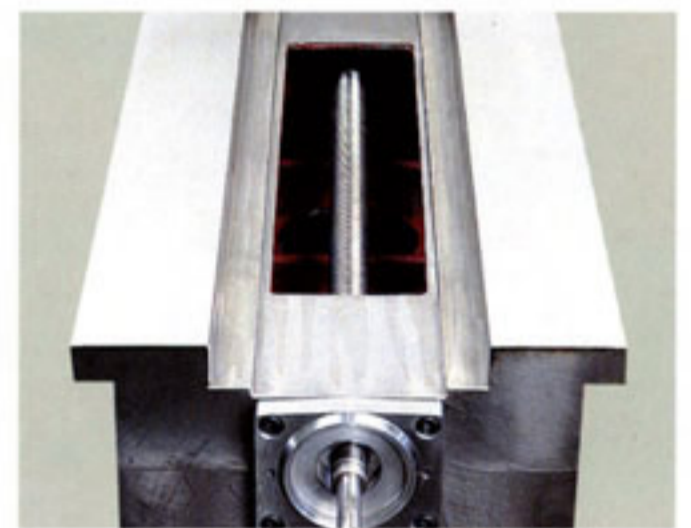
▲ GEAR DRIVEN HORIZONTAL SPINDLE

All gears that drive the horizontal spindle system are made of alloy steel, precision ground and hardened for heavy cutting and quiet operation. The automatic lub. system keeps the gears lubricated at all times. The 5HP motor drive with 6 speed changes offers high torque cutting in wide range of speeds.



▲ UNIQUE HEAD TILTING SYSTEM

The Ram adapter is designed with 8 T-bolts clamping system that allows the large vertical head to be tilted at all angles, front and back. This structure greatly increase the versatility of the machine to perform complicated work.



▲ CENTER MOUNTED CROSS FEED LEADSCREW

The cross feed leadscrew is mounted at the middle section of the knee (various others that are mounted at the side) to prevent exposure of the leadscrew to metal chips, cutting oil and dirt. Such design enhances the life of the leadscrew and the nut.



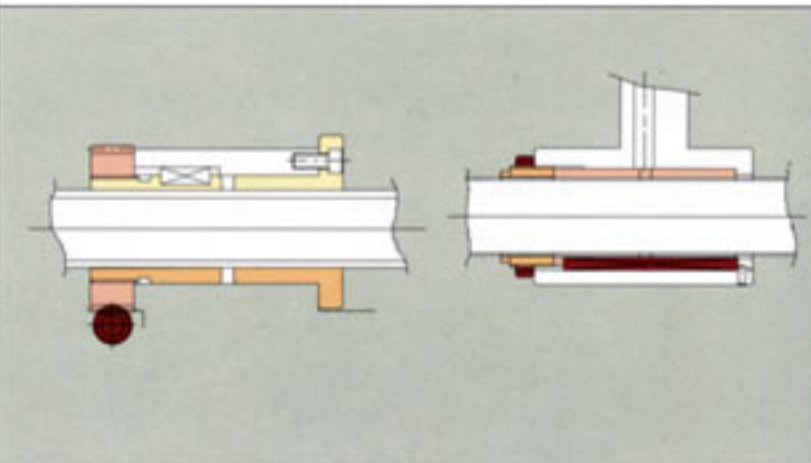
▲ EXCLUSIVE VARI-DISC DESIGN

To ensure smooth operation under high speed and to eliminate noise and vibration in the vertical head, the vari-disc is treated with HD polymer at the inside diameter using a patented process.(CNS Patent NO.7225810)



▲ SPINDLE

Ni-Cr alloy steel spindle are supported by three super precision preloaded angular contact ball bearings. The spindle drive can be operated as manual feed, micro feed and automatic feed. It is idea for precision milling and drilling operations.



▲ ADJUSTABLE BACKLASH NUT

Backlashes between the nuts and the leadscrews are adjustable in this machine so proper tension may be maintained periodically. This works on both the longitudinal and cross leadscrews.