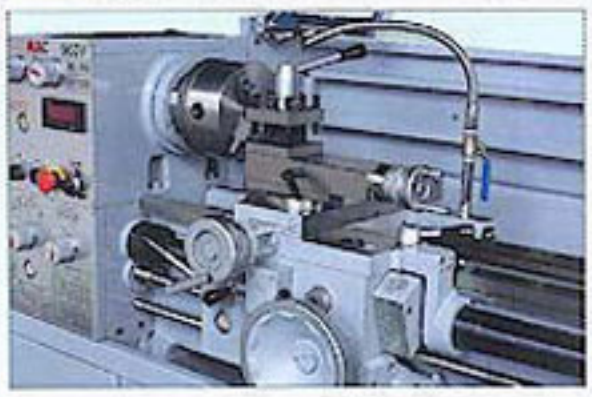
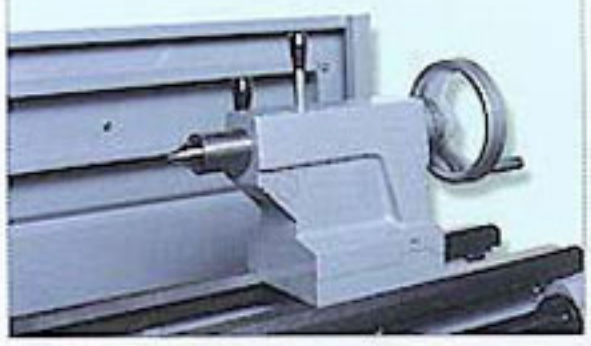
PRECISION VARIABLE-SPEED LATHE

Model:1224BV, 1236BV, 1340BV





•HEADSTOCK & GEARBOX•

- Headstock housing is made of high tensile-stress relieved cast iron (FC25). Which is oil reservoir and splash lubricated.
- Dynamically balanced spindle with 40mm (1-9/16") diameter spindle bore is made of forged steel with induction hardened and precision internal and external ground, and supported by 2 precision taper roller bearings.
- Electronic infinitely speed with A.C inverter. 2 headstock gear speed ranges supply a high torque in low range from 40-365 r.p.m. in high range from 218 - 2000 r.p.m.
- The quick change gearbox is available in either metric or imperial form, dependent on the specification of the machine. These provide a wide range of threads, together with a suitable selection of longitudinal and cross feeds. Cross feed are approximately half of the longitudinal feeds.
- The leadscrew is connected to the gearbox through a shear pin, to protect the machine during overload thread cutting; feeds haft also equipped adjustable safety overload slipping clutch to prevent from accidental damage to the feed cutting.
- Totally enclosed gearbox is oil reservoir has easier lubrication worked by splashing lubricant.

•CARRIAGE & APRON•

- The saddle carries a full length cross slide on which is mounted the top slide. The top slide can be swiveled through 360°.
- Both cross slide and top slide feed screws are located by ball thrust bearing to carry axial loads. Both are incorporated backlash eliminator.
- Saddle, cross-slide and top slide fitted with adjustable taper gib strips for wear compensation.
- The double walled apron is arranged with a conventional half nut for screw cutting, which is oil reservoir has easier lubrication worked by splashing lubricant.
- Integrated automatic control for longitudinal and cross feeds, forward and reverse feeds. Both feed motions and screw cutting are fully interlocked to prevent simultaneous engagement of feeds and threads.
- Two cone type adjustable overload slipping clutch are mounted in the apron; one for accidental damage to the feed mechanisms; one for apron handwheel, when operator holds the apron handwheel while in thread cutting or carriage fixed in the bed, provides protection against damage to the thread cutting mechanisms.
- The apron handwheel is equipped with an easily read, re-settable dial, useful for positioning the carriage. Right hand and left hand operation handwheel on request.

•TAILSTOCK•

- The hardened and ground tailstock quill with dia. 40mm (1-9/16") and inner taper MT#3; has graduated in either metric or imperial scale, is carried in a precision honed bore.
- The barrel feed handwheel mechanism incorporates a ball thrust bearing to carry axial loads.
- The tailstock can be set over to correct for parallelism or for the turning of shallow tapers.

•STAND•

- The stand features an integral tray and full length shelves to make maximum provision for the storage of tools and accessories. The cabinet door can be locked for security.

•ELECTRICS•

- The electrical installation conforms to "CE" standard and includes: reversing push button starter with no-volt and overload release protection, mushroom head stop button and lockable isolator switch, operating on a 24 volt control circuit, safety cut-off switches fitted to the main drive enclosure and included for the optional chuck guard.
- Emergency stop button is equipped on the front of the headstock, jogging switch button for easy gear engagement and inching spindle.
- Interlock switches are incorporated in the electrical safety package and are operated by the end cover door and the optional chuck guard, which can shut down machine entirely for changing belt or end gear train for threading and cutting.
- Different electrics can be supplied to special order for voltages other than those specified.