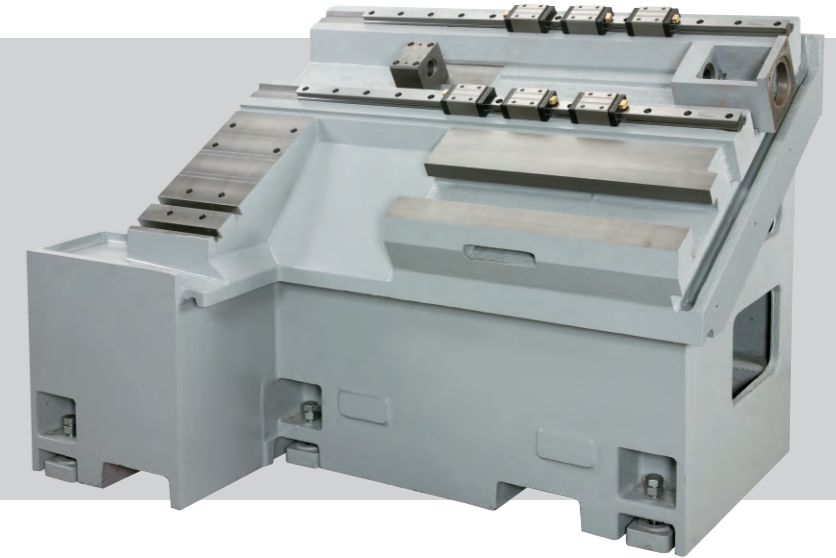




CNC LATHE

Atrump Machinery CNC Precision CNC Lathe

K-32GT; K-45GT(Gang With Tooling System)



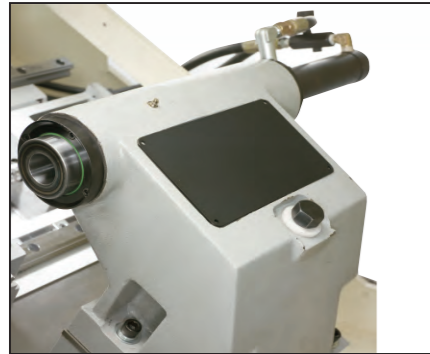
Designed and engineered by Atrump Machinery, the K-45 series CNC lathe provides turret type and gang type toolings to select from. Each model is excellent for precision parts machining. The K-45 series features high speed and high precision machining capabilities, features Centroid T400S conversational CNC controls made in the USA



30° Slant Bed Construction

- Maximum Stability and Rigidity!
The 30° slant bed design features outstanding structural stability and rigidity and efficient chips disposal.
- The base and bed are one-piece manufactured from high quality Meehanite cast iron.
- Precision linearways on X, Z-axis.

CNC LATHE



Hydraulic Tailstock (Optional)

- The quill movement is actuated by hydraulic power for convenient adjustment.
- The entire tailstock is manually moved and fastened securely, providing firm clamping for long workpieces.



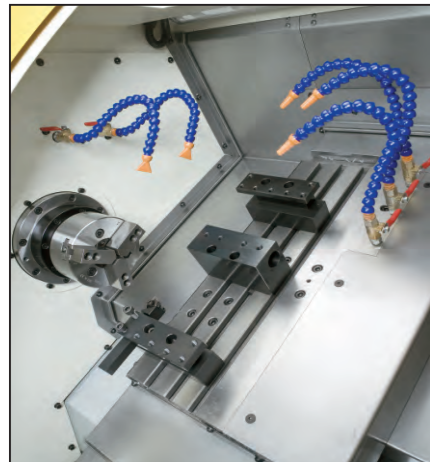
8-position Hydraulic Turret (Optional, Model K-45T)

The turret model is equipped with 8-position hydraulic turret. Servo turret is optional, providing added convenience of operation and high precision machining capability.



3 Blocks on Z-axis Linear Way

The Z-axis slideways are mounted with precision linear ways with great span between linear ways and combined with exceptional high cutting stability.



Gang Type Tooling System (Model K-45L)

- The gang type tooling system accommodates I.D. and O.D. tools.
- I.D. tool shank size is $\varnothing 20\text{mm}$.
- Standard equipment includes 5 sets of tool holders.
- The tool slide is equipped with multiple coolant nozzles that directly flush coolant on the cutting point. This feature will increase tool life and improve surface of finish product.

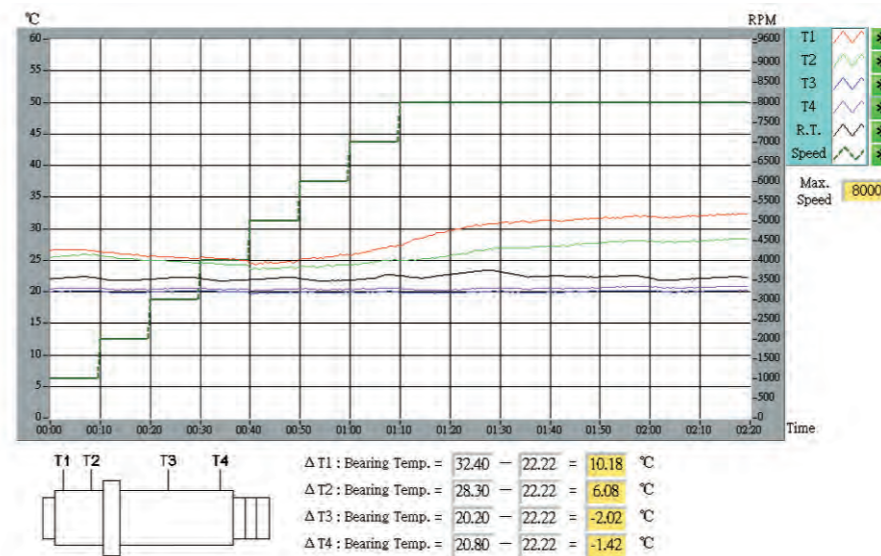


Rigid Cartridge Type Spindle

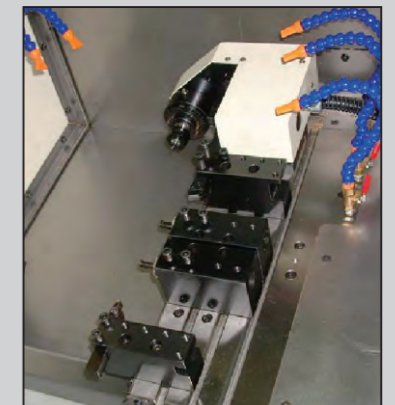
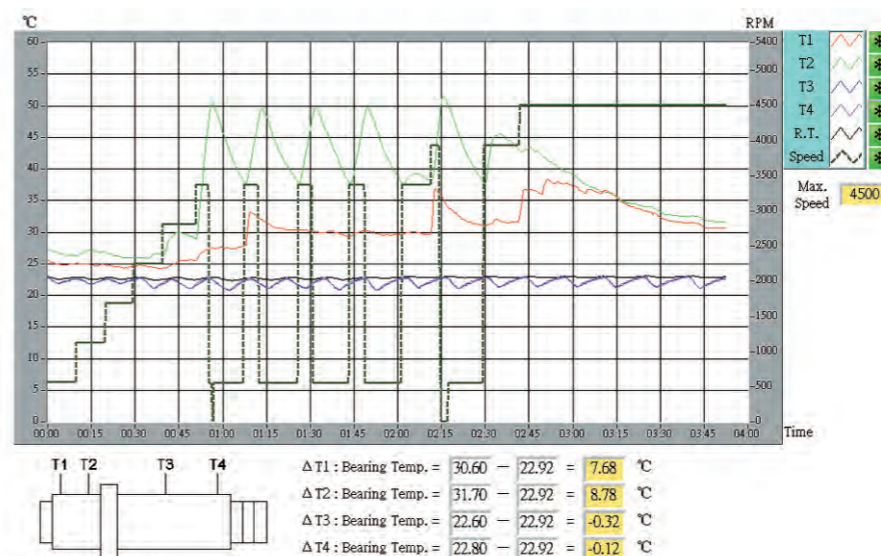
The spindle is supported by high precision bearings with 3 bearings on the front and 2 bearings on the rear.

These bearings optimize the large span between two points, making the machine excellent for heavy cutting and featuring maximum stability and long time precision machining.

A2-4 Spindle Run-in Test Report

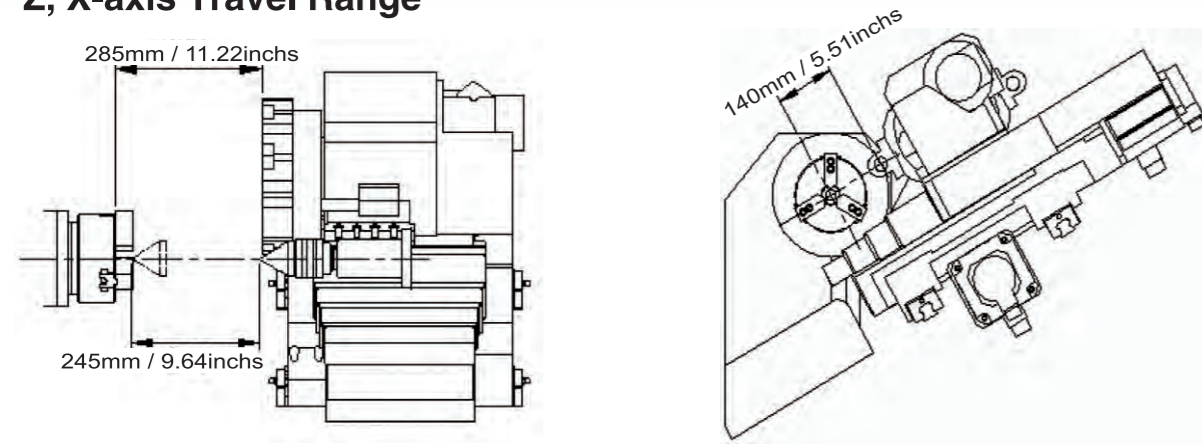


A2-5 Spindle Run-in Test Report

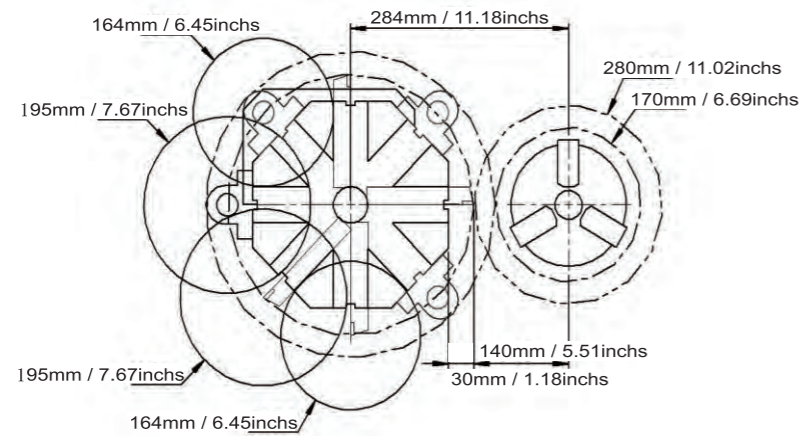


CNC LATHE

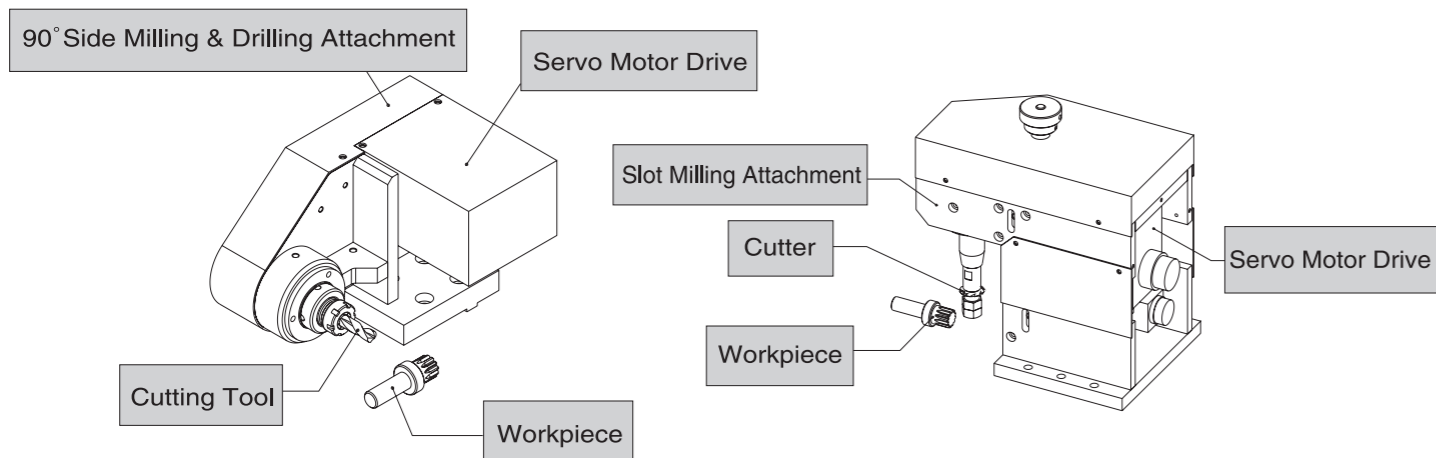
Z, X-axis Travel Range



Tooling Interference Diagrams



Optional Equipment



MACHINE SPECIFICATIONS

MODEL	K-32GT	K-45GT
Swing over saddle	13"	13"
Hydraulic chuck (inch)	5"	6"
Spindle nose	A2-4	A2-5
Spindle speed range	One range	One range
Spindle motor (HP)	5HP	7.5HP
Spindle speed (rpm)	50- 6000	50- 5000
Number of tools	-	-
Cutting tool size (inch)	5/8"	5/8"
Boring tool size (inch)	1"	1"
Max. longitudinal travel (X-axis)	7.1"	7.1"
Max. cross travel (Z-axis)	10"	10"
Rapid traverse rate (X/Z) (m/min.)	16- 20	16- 20
Servo motor (X-axis) (HP)	1KW	1KW
Servo motor (Z-axis) (HP)	1KW	1KW
Tailstock travel	-	-
Tailstock quill travel	-	-
Tailstock quill diameter	-	-
Tailstock quill taper	-	-
Standard turning diameter	5.5"	6.7"
Max. bar capacity	1.25"	1.8"
Max. turning length	-	-
Bed slant degree	30°	30°
Machine weight (lbs)	6250	6400
Machine dimensions	77"x57"x59"	80"x53"x58"

Standard Equipment

1. Fully enclosed splash guard with coolant tank
2. Boring tool holder
3. O.D. tool holder
4. Chip bucket
5. Hydraulic power unit
6. Toolbox with service tools

Optional Equipment

1. Chip conveyor
2. Bar feeder
3. Transformer 10 KVA / 15 KVA
4. Voltage stabilizer
5. 90° side milling and drilling attachment
6. Slot milling attachment

Dimensional Drawings

