

CNC LATHE

(BRAND: STH)



STH FAMILY

Constant Research and
Ongoing Product Refinement

Evolving a Lathe Tradition:

Improving the Flat Bed Box Way
Design for CNC Turning

Unlike the old CK CNC lathe design, which has the ball screw mounted on the front side of the lathe bed, the HUNTER Series moved the ball screw to the middle of the lathe bed, between the ways. This eliminates friction and ball screw torque – increasing efficiency and assuring higher speeds. The HUNTER lathes also have telescoping stainless steel guards that cover the ball screw along its entire length. This assures smooth operation and long machine life.



VS



Comparison of tradition CK type CNC lathe

Reliable and Efficient Lubrication Oil Distribution



This efficient unit assures all machine components are lubricated evenly – extending machine operating life.

Double "V" Machine Bed Ways

Lathe carriage is continually aligned for torque-free, smooth operation and increased accuracy. The center-mounted, covered ball screws increase the smoothness and speed of carriage movement along the V ways.



Pre-Loaded Ball Screws With Bumpers



A pre-loaded ball screw reduces thermal distortion. The ball screw bumper helps protect the ball screw in case of operator error or machine malfunction.



CNC LATHE

TECHNICAL SPECIFICATION :

	MODEL :	STH6-GA	STH8-GA	STH12-GA
Capacity	Chuck size	inch 6"	8"	12"
	Max. swing dia. over bed	mm ϕ 300	ϕ 350	ϕ 520
	Max. length of workpiece	mm 280 (*350 (collet))	300 (*400 (collet))	750
	Max. swing dia. over slide	mm ϕ 140	ϕ 200	ϕ 280
Spindle	Spindle bore	mm ϕ 48	ϕ 48	ϕ 105
	Max. dia of through hole	mm ϕ 40	ϕ 40	ϕ 91
	Spindle nose	A2-5	A2-5	A2-11
	Spindle speed	3000 *4500	3000 *4500	1000 *1800
	Main motor power	KW 3.0, *4.0	4.0, *5.5	11
Axis	X axis travel	mm 300	280	300
	Z axis travel	mm 280, *350 (collet)	300, *400 (collet)	600, 750
	X/Z rapid traverse	m/min 8/12	8/12	9/12
Toolpost	Type	4-station toolpost Gang type tooling	4-station toolpost Gang type tooling	4-station toolpost Gang type tooling
	No. of tool stations	nos 4-6	4-6	4-6
	OD Tool shank size	mm 20x20	20x20	32x32
Tallstock	Type of tallstock	Manual, *Pneumatic, *Hydraulic	Manual, *Pneumatic, *Hydraulic	Manual, *Hydraulic
	Taper of tallstock quill	MT3	MT4	MT5
	Travel of tallstock quill	mm 100	100	100
	Travel of tallstock	mm 300	400	650
Structure	Slant bed degree	30°	30°	30°
	Guideway type	Hard	Hard	Hard
Others	Power capacity	KVA 8	8	15
	Overall dimension (LxWxH)	mm 1950x1250x1900	2050x1300x1900	2500x1450x1650
	Weight (about)	Kg 1700	2200	3300

Note: "*" means optional.