



CNC LATHE MACHINE MODEL: ST-400



MACHINE DESCRIPTION :

A CNC (Computer Numerical Control) lathe is a machine tool that rotates a workpiece and uses cutting tools to precisely shape it, often into cylindrical or other symmetrical forms. It's controlled by a computer program, allowing for automated and highly precise machining of parts with minimal human intervention.





TECHNICAL PARAMETER :

CNC LATHE MACHINE	
Model Number	: ST-400
Brand name	: "NARVIK TURN"
Swing over bed	: ϕ 450mm
Swing over cross slide	: ϕ 220mm
Max. turning diameter	: ϕ 400mm
Max. turning length	: 450mm
Limited travel	
X- axis travel	: 250mm
Y- axis travel	: 530mm
FEEDING	
X- axis ball screw	: 3208-C3
X- axis power torque	: \geq 10
Z- axis ball screw	: 3208-C3
Z- axis power torque	: \geq 10
BED	
Bed type	: 45°
Rail Width	: 400mm
SPINDLE UNIT	
Max. speed	: 3500rpm
Spindle bore	: ϕ 62mm
Spindle type	: A2-6
Spindle nose	: 1:20
Spindle motor power	: 11KW
Chuck size	: 8"
TAILSTOCK	
Sleeve diameter	: ϕ 72
Sleeve travel	: 100
Sleeve type	: MT4
Brand New	: China





MAIN COMPONENTS AND FEATURES:

- **NTUS GERMANY** P4 spindle bearing, spindle unit with 3500rpm.
- **X ball screw TAIWAN** PMI 3208-C3, pre-tighten
- **Z ball screw TAIWAN** PMI 3208-C3, pre-tighten
- Bearing for ball screw FAG P4, X/BSB2562 x 4pcs, Z/ BSB2562 x 4pcs
- **X/Z linear guideway SKF/ REXROTH** P grade and 35mm width.
- X axis ball screw deformation not more than 0.005mm
- Z axis ball screw deformation not more than 0.015mm

STANDARD ACCESSORIES:

- GSK988TA including X/Z GSK servo and driven
- 7.5KW GSK brand spindle servo motor
- 8" hydraulic hollow chuck, cylinder and water collector and station.
- 12 position servo turret 6pcs tool holders (3pcs turning+3pcs boring)
- Full safety protection electric under CE standard.
- Front door magnetic switch
- Foot pad
- Emergency light
- Heat exchanger and fans.
- Auto lubrication pump
- Air clean gun
- MPG
- Higher pressure coolant pump
- Chip conveyor + car

