



**SKU : 470546**

**NEW**

The Servoturn series of universal lathes combines the most modern feed technology with classic mechanical engineering. In contrast to standard conventional lathes, this series has ball screw drives and electronic hand wheels on all axes. High-torque servo motors implement every feed movement with the dynamics of modern CNC machines. Without gear change wheels and gears, feed and thread pitches can be selected electronically. Rapid traverses on all axes reduce non-productive time and electronic stops offer high repeat accuracy.

- Intuitive operation
- Servo drive for feed and tapping
- Turning of tapers and radii
- Clear touchscreen
- Electronic handwheels

### TECHNICAL SPECS

#### WORKING AREA

Center width	40 in
Turning diameter over bed	16 in
Turning diameter over support	9 in
Turning diameter without gap bridge	20 in
Bed width	12 in

#### TRAVELS

Travel X-axis	9.4 in
Travel Z1-axis	5 in

#### HEADSTOCK

Spindle speed	30 rpm - 2000 rpm
Spindle bore	2 in
Spindle mount	D1/6
Spindle taper	MT 6

#### FEED

Feed X-axis	0.00039 in/R - 0.07874 in/R
Feed Z-axis	0.00039 in/R - 0.07874 in/R

#### THREADING

Threading, metric	0.02 mm - 14 mm
Threading, diametric	6 DP - 100 DP
Threading, module	0.1 mm - 5 mm
Threading, withworth	2 TPI - 100 TPI
Leadscrew	1.26 in x 0.24 in

#### TAILSTOCK

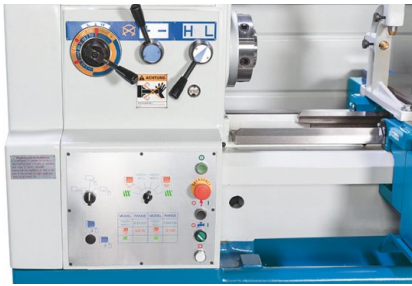
Tailstock taper	4 MT
Tailstock quill diameter	2 in
Tailstock quill stroke	5 in

#### DRIVE CAPACITY

Motor rating main drive	5 Hp
Motor rating coolant pump	0.1 Hp

#### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	87 in x 39 in x 48 in
Weight	3850 lbs



*Intuitive operation - feeds and thread cutting features are selected via rotary switch*



*Axes are powered by high-quality servo drives that translate your hand movements with the precision and dynamics of modern CNC machines*



*Large color touchscreen provides a graphic display of machining operations and lists editable parameters*

## PRODUCT DETAILS

- A heavy ribbed machine bed and a massive one-piece cast-iron frame provide the solid basis for this machine
- Wide, hardened and ground guideways ensure superior turning results and long life
- Removable bridge allows machining of workpieces with larger diameters
- The massive headstock is equipped with a large main spindle that runs on two high-capacity tapered roller bearings and one grooved ball bearing
- The main drive features a wide speed range with 12 gear steps that easily can be selected via shifting
- Feeds, thread types, and contours are designed simply and intuitively with electronic selection via a headstock-mounted rotary switch
- In addition to standard machining tasks with extensive thread options, this machine can be used for turning tapers and radii
- Values for travel distances, feed speeds, and thread leads are input via touchscreen at the control
- Micro-control via electronic hand-wheels offering the same handling and positioning as with a conventional machine, just smoother and more precise
- Ball screws in Z and X axes ensure considerably less errors due to looseness (backlash), resulting in significantly higher precision
- A manual central lubrication system simplifies maintenance and supplies all guideways with lubricant

## STANDARD EQUIPMENT

Delta servoconventional CNC control  
 Fixed splash guard (wall)  
 Chuck guard  
 Protective shield for support  
 Coolant system  
 Leadscrew cover  
 Work lamp  
 Manual central lubrication  
 4-station tool holder  
 Fastening bolts  
 Operator instructions