

LabTurn 2028

CNC turning with maximum precision and minimum space requirement



See this Machine
in action on
YouTube



- The LabTurn is an ideal lathe for CNC training and small batch production of high precision workpieces
- Rigid cast-iron inclined bed design ensures good stability and efficient chip removal
- Precision linear guides ensure high stability and accuracy
- Central lubrication for reduced maintenance
- Enclosed workspace protects and a large sliding door provides easy access
- Production control technology with superior reliability
- 8-station tool turret with 4 tools per station for inside and outside turning



Inclined bed design optimizes work space and chip removal



Rigid stainless steel guideway covers



8-station tool turret with 4 tools per station for inside and outside turning

Specifications LabTurn 2028

Working Area		
Workpiece length (max.)	in	11
Turning diameter over bed	in	8
Turning-Ø over support	in	4
Travels		
Travel X-axis	in	3.4
Travel Z-axis	in	6
Headstock		
Speed range	rpm	100 - 3,000
Spindle mount		MK 3
Spindle bore	in	1
Lathe chuck diameter	in	4
Rapid Feed		
Rapid feed X-axis	in/min	78.74
Rapid feed Z-axis	in/min	78.74
Feed		
Feed speed X-axis	in/min	39.37
Feed speed Z-axis	in/min	39.37
Max. torque feed motor X-axis	ft.lb.	1.62
Max. torque feed motor Z-axis	ft.lb.	1.62
Tool Head		
Number of tool stations	positions	4
Tool shank dimensions	in	0.3x0.3
Boring bar mount diameter	in	0.5
Accuracies		
Positioning accuracy X-axis	in	0.00087
Positioning accuracy Z-axis	in	0.00087
Repeatability X-axis	in	0.00039
Repeatability Z-axis	in	0.00039
Tailstock		
Tailstock quill diameter	in	1
Tailstock quill stroke	in	1
Tailstock taper		MT 2
Drive Capacity		
Motor rating main drive	Hp	1.3
Measures and Weights		
Overall dimensions (length x width x height)	in	56x36x73
Weight	lbs	792
Part No.		181625

Standard Equipment

siemens 808D Advance control, electronic hand-wheel, 8-station turret, mobile base, tailstock, 3-jaw chuck (4" diam.), central lubrication, work lamp, operating tools, operating manual and programming instructions

Options	Part No.
• Turning Tool Set with 0.3 x 0.3 in shank dimensions	251477
• Set of indexable inserts	251478