


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

Specifications			LabTurn 2028		
Working area					
Workpiece length (max.)	mm		280		
Turning diameter over bed	mm		200		
Turning-Ø over support	mm		90		
Travels					
Travel X-axis	mm		86		
Travel Z-axis	mm		155		
Headstock					
Speed range	1/min		100 - 3.000		
Spindle mount			MK 3		
Spindle bore	mm		20		
Lathe chuck diameter	mm		100		
Rapid feed					
Rapid feed X-axis	mm/min		2.000		
Rapid feed Z-axis	mm/min		2.000		
Feed					
Feed speed X-axis	mm/min		1.000		
Feed speed Z-axis	mm/min		1.000		
Max. torque feed motor X-axis	Nm		2,2		
Max. torque feed motor Z-axis	Nm		2,2		
Tooling					
Number of tool stations	Pieces		4		
Tool shank dimensions	mm		8x8		
Boring bar mount diameter	mm		12		
Accuracies					
Positioning accuracy X-axis	mm		0,022		
Positioning accuracy Z-axis	mm		0,022		
Repeatability X-axis	mm		0,01		
Repeatability Z-axis	mm		0,01		
Tailstock					
Tailstock quill diameter	mm		20		
Tailstock quill stroke	mm		30		
Tailstock taper			MK 2		
Drive capacity					
Motor rating main drive	kW		1		
Measures and weights					
Overall dimensions (length x width x height)	m		1,4x0,9x1,85		
Weight	kg		360		
Part No.			181625		

Standard Equipment

siemens 808D Advance control, electronic hand-wheel, 8-station turret, mobile base, tailstock, 3-jaw chuck Ø 100 mm, central lubrication, work lamp, operating tools, operating manual and programming instructions

Options	Part No.
• Turning Tool Set with 8 x 8 mm shank dimensions	251477
• Set of indexable inserts	251478