

### **CNC Cycle Lathe**

## **Numturn 420 CNC**

### Powerful CNC technology for high flexibility and easy handling



- Siemens 808 D Advance TTL
- VDI tool turret
- Hydraulic power chuck
- Hydraulic tailstock
- Numturn SI including hydraulic chuck (7.9") with adjustable holding force, and 8-station tool turret
- Manually transverse the X- and Z-axis via 2 electronic hand wheels
- Induction-hardened, ground guideways
- Longitudinal and transverse movements via highquality preloaded ball screws and servo drives



VDI 30 tool turret with 8 stations

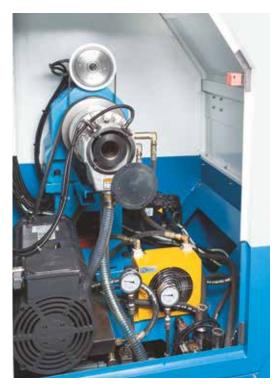
- · Smart central lubrication system for low-maintenance operation
- · The main spindle is driven by a high-torque servo motor
- USB port for easy data transfers

# SINUMERIK 808D ADVANCE - the perfect solution for modern standard machines

- In combination with a new generation of spindle and axis drives, the SINUMERIK 808D ADVANCE with 8.4" LCD provides an innovative ready-to-use digital CNC solution for modern standard machines
- This is topped by a guaranteed superior price/performance ratio
- CNC and drive communicate via a high-speed bus to ensure efficient positioning control plus high precision and optimum cutting performance

#### **Standard Equipment**

Siemens 808D Advanced TTL control, hydr. tailstock, 2 electronic hand-wheels, hydr. 3-jaw chuck  $\emptyset$  8", 8-station turret, automatic central lubrication, work lamp, operating tools, operating manual and programming instructions



1.89 inch spindle bore in draw tube

Specifications Num		turn 420 SI	
Working Area			
Workpiece length (max.)	in	39	
Turning diameter over bed	in	17	
Turning-Ø over support	in	9	
Travels			
Travel X-axis	in	8.7	
Travel Z-axis	in	36	
Headstock			
Spindle speed	rpm	60 - 3,000	
Spindle mount		A2-6	
Spindle bore	in	2	
Spindle bore with draw tube	in	1.9	
Rapid Feed			
Rapid feed X-axis	in/min	157.48	
Rapid feed Z-axis	in/min	314.96	
Tool Head			
Number of tool stations	positions	8	
Accuracies			
Positioning accuracy X-axis	in	0.00024	
Positioning accuracy Z-axis	in	0.00031	
Repeatability X-axis	in	0.0002	
Repeatability Z-axis	in	0.00031	
Tailstock			
Tailstock taper	MT	4	
Tailstock quill diameter	in	2	
Tailstock quill stroke	in	4	
Drive Capacity			
Motor rating main drive	Нр	10.1	
Motor rating coolant pump	Нр	0.2	
Motor rating X-axis	Нр	2	
Motor rating Z-axis	Нр	2.01	
Measures and Weights			
Overall dimensions (length x width x height)	in	113x63x69	
Weight	lbs	6,050	
Part No.	<u> </u>	182189	



Option: KNUTH-FlexLoader 10 Loading System (Part. No. 100128)

Options	Part No.
KNUTH-FlexLoader 10	100128
Coolant Concentrate 5 Ltr.	103184
Live Center MT 4	106755
Power Worker Metal Cutter	123040