

## CNC flatbed lathe

# OPTIturn L 34HS Sinumerik 808D ADVANCED

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY

CNC-controlled lathe with linear guide

### Article number ▼

3504232

### Brand ▼

Optimum

### Catalog directory ▼

Metalworking machines » CNC lathes »  
OPTIturn L 34HS



## Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	2,070 mm	Gross	1,500 kg	Delivery	Carrier	DualUse	✓
Width	1,650 mm	Net	1,300 kg	Content	1 pc(s).	SCIP	n/a
Height	2,050 mm					SVHC	No

## Description ▼

- Precise processing
- Spindle and feed motors from Siemens
- Braced machine bed made of gray cast iron
- Maintenance-friendly protective housing
- Ground ball screw spindles
- Elaborate spindle bearings
- Linear guidance in both axes
- Emergency stop impact switch
- Central lubrication
- Rear Access flap for maintenance
- Safety switch on the front sliding door
- The turning turret is located behind the turning center (left turning tool)

## SINUMERIK 808 ADVANCED

### CNC technology from the technology leader, paired with a revolutionary operating concept

#### Increase in productivity in production

- The SINUMERIK 808D ADVANCED control is a panel-based CNC control. The compact and user-friendly entry-level solution is used for simple turning applications. Features such as simple operation, commissioning and maintenance are the perfect basis for equipping CNC machines.
- Due to its technology-specific characteristics, the SINUMERIK 808D ADVANCED control is perfectly preconfigured for turning. Due to the hardware and software extensions, the SINUMERIK 808D ADVANCED also offers sufficient performance for simple turning functions for mold and tool making.

#### COMPACT AND ROBUST

- Thanks to a panel-based CNC design with few interfaces and an operator panel in protection class IP65, the SINUMERIK 808D ADVANCED is perfectly prepared for use in harsh environments. The small dimensions enable the use in compact machines.

#### SINUMERIK 808D ON PC

- Control-identical software package that the Handling of the machine tool further simplified. Free to download from [www.cnc4you.com](http://www.cnc4you.com)

#### COMPLETE PACKAGE

- RJ45 Ethernet port
- Prepared for remote maintenance
- AST function; enables simple optimization with higher demands on dynamics and accuracy
- Absolute encoder / no reference travel necessary
- Higher accuracy

#### Control

- 8.4" LCD color display with 800 x 600 resolution

#### Extended warranty

With the extended warranty you protect your new machine against warranty damage for a further 12 or 36 months (only to be bought with purchase of machine).

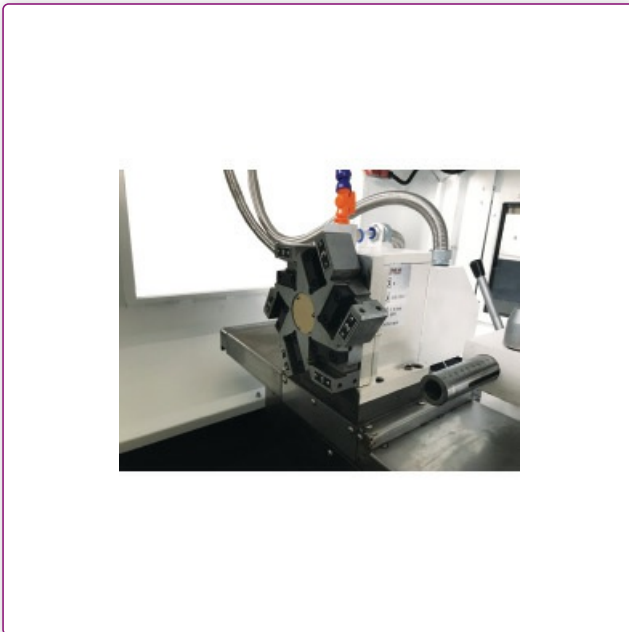
- 12 months; Article No. 3589010
- 36 months; Article No. 3589012

#### Delivery content

- Holder for tool turret
- Coolant system
- machine lamp
- operating tool

**Do not forget spin food**

**Media informations** ▼



- For six tool places



- Incremental encoder for spindle positioning (thread cutting)
- Large spindle bore



- High permissible load and high rigidity
- Low coefficient of friction
- Higher accuracy of the machine



- Extractable
- Easy chip disposal



- Complete illumination of the working area



- Ensures regular and automatic lubrication
- Lubrication points connected to the central lubrication system have a longer service life



- Control-identical software package
- Simplifies the handling of the machine tool
- Workpieces can be programmed and simulated offline.
- Training and learning: Operation of SINUMERIK Operate BASIC can be learned on the PC without additional hardware. Easy and comfortable learning with control-identical user interface
- Offline CNC programming: Increased productivity through programming directly on the PC, testing of part programs on the PC with integrated simulation
- Professional CNC presentations: Presentation of the SINUMERIK Operate BASIC user interface on the PC - anytime and anywhere without additional hardware.
- Free download at [www.cnc4you.com](http://www.cnc4you.com)

## Technical data ▼


Dimensions and weights			
Length (product) approx.	1950 mm	Width/depth (product) approx.	1475 mm
Height (product) approx.	1956 mm	Net weight approx.	1200 kg
Work areas			
Lathe chuck diameter	160 mm	Max. height	165 mm
Max. width	600 mm	Swing diameter above machine bed	350 mm
Swing diameter above planing slide	146 mm	Bed width	208 mm
Motor torque			
X axis motor torque	4 Nm	Z axis motor torque	6 Nm
Speed range			
Speed range	30 – 3500 min <sup>-1</sup>		
Electrical Data			
Drive motor output	3.7 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Precision			
Repetition accuracy	± 0.01 mm	Positioning accuracy	± 0.01 mm

Cooling lubricant system			
Cooling lubricant system coolant pump output	95 W	Cooling lubricant system tank capacity	75 l
Spindle			
Spindle chuck	ISO 702-1 No. 4 - A2	Spindle bore/rod passage diameter	46 mm
Tailstock			
Tailstock chuck	MK 3	Tailstock quill stroke	120 mm
Tailstock quill diameter	45 mm		
Travel			
Travel X axis	185 mm	Travel Z axis	540 mm
Feed speed			
X axis feed speed	6000 mm/min	Z axis feed speed	8000 mm/min
Turret			
Tool changer type	electrical	Tool changer number of tool slots	6 St
Tool changer max. chuck height, width square	16 x 16 mm	Tool changer max. chuck diameter drilling rod	16 mm
Electrical connections			
Total rated value	6.5 kVA		
Motor(s)			
Drive motor torque	23.6 Nm	Torque at the spindle	40 Nm

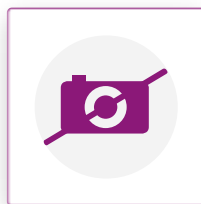
## Accessories




### Three-jaw lathe chuck cast BISON Ø 160 mm DIN 6350 A2-4

Article number   
3450232

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### Monobloc jaw set, soft BISON Three-jaw lathe chuck Ø 160 mm

Article number   
3450412

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### Four-jaw lathe chuck cast BISON Ø 160 mm DIN 6350 A2-4

Article number   
3450236

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**Monobloc jaw set, soft**  
BISON Four-jaw lathe chuck Ø 160 mm

Article number ▼  
3450422

**OPTIMUM®**  
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**Chuck flange**  
BISON 160 mm

Article number ▼  
3450246

**OPTIMUM®**  
MASCHINEN - GERMANY



**Collet chuck**  
16C

Manually operated chuck for distortion-free clamping of workpieces

Article number ▼  
3450245

**OPTIMUM®**  
MASCHINEN - GERMANY



**Turning tool set**  
HM 16 mm, 4-part

Article number ▼  
3441215

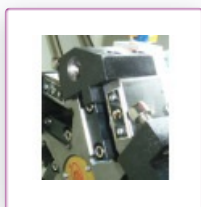
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**Cylindrical mount**  
Ø16 mm

Article number ▼  
3535170

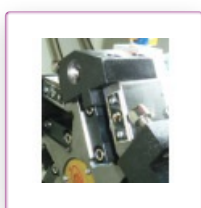
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**Boring bar**  
Ø 20 mm

Article number ▼  
350422010

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**Lathe tool holder**  
Transverse up to 16 mm

Article number ▼  
350422011

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## Options equipment ▼



### Siemens Manual Machine Plus

#### MM +

Enables the transition from conventional machines to CNC programming. Simple cycle control

#### Article number ▼

3584150

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