

CNC FLATBED TURNING MACHINES

Series

WDC 390/460/560

HIGHLIGHTS

- Cycle lathe
- Standard for machining
- Solid cast iron beds
- Mobile handwheel
- Turning diameter 390-560 mm
- Centre values 1.000-3.000 mm
- H-design
- Perfekt operating comfort
- Optional C-axis with driven tools



TECHNICAL DATA AT A GLANCE

Machine type	 mm	 mm	 mm/min		 kW
WDC 390	390/240	1.250	54/3.500	1/4/8	5,5/7
WDC 460	460/295	1.250	54/3.500	1/4/8	5,5/7
WDC 560	560/390	1.000/1.500/ 2.000/3.000	80/2.400	1/4/8	7,5/9

Further information on the machine series and numerous accessories can be found on our website:
<https://www.wagner-maschinen.de/en/drehen/cnc-flat-bed-lathes>



CYCLE CNC TURNING MACHINE WDC 390/460/560

with SIEMENS 828D ShopTurn

This innovative CNC flatbed lathe can be used in the same way as a conventional lathe. At the same time, the CNC control allows complicated processes such as contour turning or thread cutting to run automatically.

WDC 390x1250 Order no.: 502200

WDC 460x1250 Order no.: 502202

WDC 560x1000/1500/2000/3000 Order no.: 502204/502206/502208/502210



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ALL HIGHLIGHTS AT A GLANCE

- Ergonomic design
- Movable panel
- Linear guide X+Z-axis
- Telescopic cover
- 8-position turret
- VDI disc
- Stepless powerful dynamic drive
- Stable tailstock
- Robust bed width
- Linear guides SIEMENS 828 D with ShopTurn
- The drive package is matched to the control system
- Ergonomic arrangement of the two electronic handwheels
- Mobile handwheel
- Mobile control panel
- Various workpiece clamping devices (optional)
- Various tool carriers (optional)
- Wide bed guideways, induction-hardened, precision-ground and Turcite counter-coated
- 3-stage gearbox
- Precision ball screws hardened and ground
- Sturdy tailstock with quill and quick clamping
- Housing with sliding doors and viewing window made of safety glass
- Complete coolant system
- Ergonomically swivelling control panel

TECHNICAL DATA

- Max. . turning $\varnothing$ above bed, mm 390/460/560
- Max. . turning $\varnothing$ above cross sash, mm 240/295/390
- Max. Centre width:
WDC 390, mm 1.250
WDC 460, mm 1.250
WDC 560, mm 1.000/1.500/2.000/3.000
- Spindle nose, DIN 55029 Camlock size 6/6/8
- Spindle bore, mm 54/54/80
- Spindle speed range:
WDC 390 with 2 gear stages, rpm. 12-3.500
WDC 460 with 3 stages, rpm. 19-3.500
WDC 560 with 3 autom. steps, rpm. 20-2.400
- Bed width, mm 270/318/345
- Quill stroke, mm 155/160/180
- Tailstock quill taper, MK 4/5/5
- Tailstock quill $\varnothing$, mm 58/73/75
- Motor power, kW 7/7/9
- Rapid traverse Z-axis, mm/min: 9.000/9.000/7.000
- Rapid traverse X-axis, mm/min: 10.000/10.000/5.000
- Repeatability, mm +/- 0,005/0,005/0,005
- Positioning accuracy, mm +/- 0,01/0,01/0,01
- Dimensions: on request
- Machine weight: on request

STANDARD EQUIPMENT

- CNC control Siemens 828/Fagor 8060
- 2 separate handwheels on the control panel and 1 movable handwheel
- 3-stage gearbox
- Automatic indexing
- Constant cutting speed
- Bed guideways induction-hardened, ground and Turcite counter-coated
- Precision ball screw hardened and ground
- Chuck guard electrically protected
- Manual tailstock
- Automatic central lubrication of the guideways
- Complete coolant system
- Machine light
- Full enclosure with 2 sliding doors and viewing window made of safety glass
- 1 set of levelling screws with adjusting plate
- Tool box with operating tools
- Operating instructions/programming instructions
- CE standard
- Electrical equipment 400 V./50 Hz.

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We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not binding.

SPECIAL ACCESSORIES WDC 390/460/560

- Automatic turret
- Hydraulic tailstock
- Chip conveyor with carriage
- Three-jaw lathe chuck
- Spiral ring design with hard base jaws and reversible top jaws
- Chuck spanner
- VDI disc

SPECIAL ACCESSORIES WDC 390

- Electric 8-position turret
- Fixed steady rest 10-100 mm
- Moving steady rest 30-120 mm
- Hydraulic chuck Ø 200 mm

SPECIAL ACCESSORIES WDC 460

- Electric 8-position turret
- Fixed steady rest 10-100 mm
- Fixed steady rest 55-190 mm
- Moving steady rest 30-120 mm
- Hydraulic chuck Ø 200 mm

SPECIAL ACCESSORIES WDC 560

- Electric 8-position turret
- Surcharge for chuck 400 mm Ø
- Fixed steady rest with rollers 20-170 mm
- Fixed steady rest with rollers 95-220 mm
- Fixed steady rest with rollers 165-385 mm
- Moving steady rest 40-90 mm
- Hydraulic chuck Ø 250 or 300 mm
- Hydraulic tailstock

DETAIL PICTURES

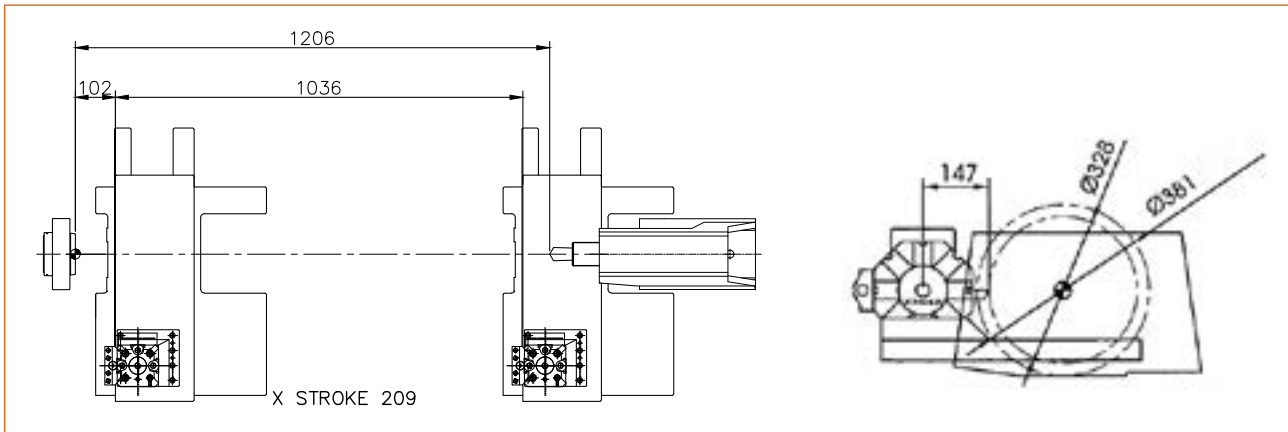


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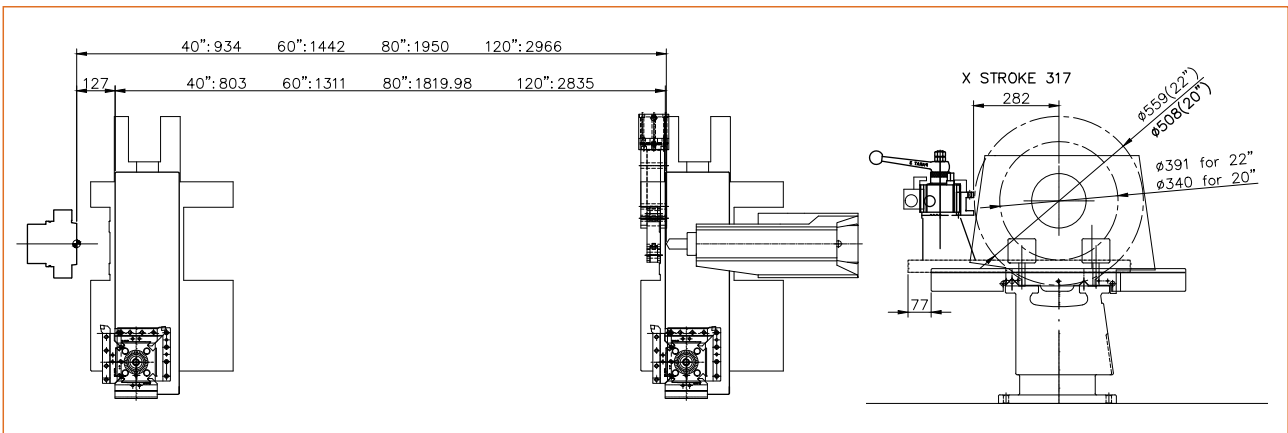
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TECHNICAL PLANS

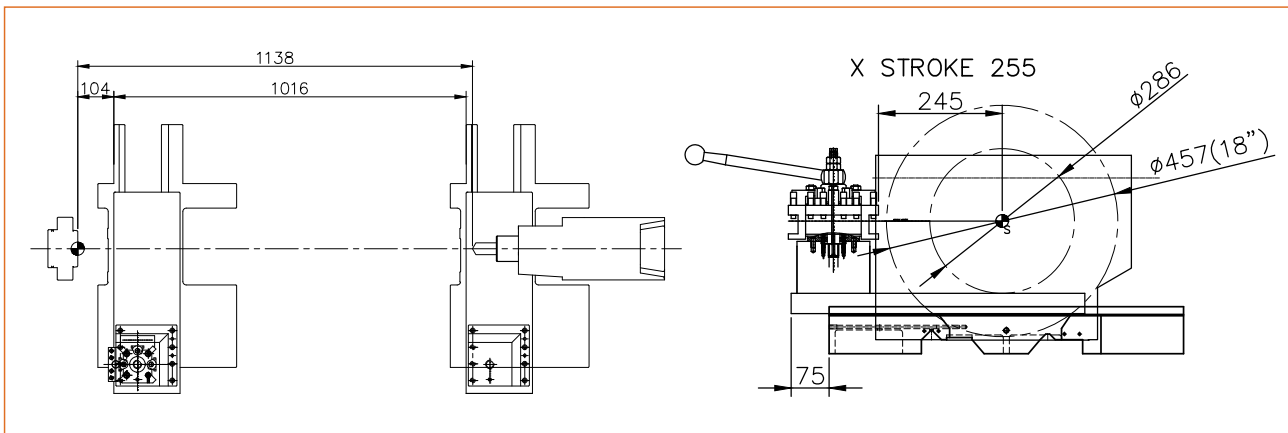
WDC 390 with parameter holder



WDC 560 with parameter holder



WDC 460 VDI 40 8 stations



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