

CNC FLATBED TURNING MACHINES

Series

WDE 400/500

HIGHLIGHTS

- Cycle lathe
- Standard for machining
- Solid cast iron beds
- Turning diameter
400-500 mm
- Centre width
1,000-1,500 mm
- Various tool holder
systems
- Various tool changer
- Perfekt price
performance



TECHNICAL DATA AT A GLANCE

Machine type	 mm	 mm	 mm/min		 kW
WDE 400	400/195	1.000	52/3.300	1/4/6/	5,5
WDE 500	500/280	1.500	82/2.200	1/4/6/8	7,5

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 400 Plus with SIEMENS 828 B-T

WDE 400 Order no.: 500740



ALL HIGHLIGHTS AT A GLANCE

- Ergonomic arrangement of the 2 electronic handwheels with joystick and rapid traverse via control button
- The drive package is matched to the control unit
- Spindle motor with 5.5 kW
- 3-stage gearbox with automatic gearstick
- Spindle with 3 bearings and a max. Speed from 3.300 rpm
- The bed is a heavily ribbed cast construction
- The wide bed guides are induction-hardened and precision ground
- Precision ball screws in both axes
- The stable tailstock with quill has a quick clamping system
- Housing with 2 sliding doors and safety glass viewing window
- Complete coolant system with supply directly at the mould (various pump capacities possible)
- 6-position turret optional

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TECHNICAL DATA

- Max. swing Ø over bed, mm 400
- Max. swing Ø over cross slide, mm 195
- Max. centre distance, mm 1.000
- Spindle nose Camlock DIN 55026 A2-6
- Spindle bore, mm 52
- Infinitely spindle speed range 20-3.300 rpm
- Bed width, mm 300
- Manual tailstock adjustment
- Tailstock quill taper MK 4
- Quill diameter, mm 60
- Quill travel, mm 120
- Spindle motor, kW 5,5
- Z-axis travel, mm 840 / 950 mm
- X-axis travel, mm 235
- Rapid traverse Z-axis, 8,000 mm/min
- Rapid traverse X-axis, 10,000 mm/min
- Repeat accuracy, mm +/- 0.005
- Positioning accuracy, mm +/- 0.01
- Dimensions (LxWxH),
3,100 x 1,650 x 1,950 mm
- Machine weight, ca. kg 1.800

STANDARD EQUIPMENT

- Complete electrical equipment
400 V./50 Hz.
- USB interface
- Set-up mode
- Electronic handwheels with increment preselection
- Mechanical switch-on lever for spindle
- Clockwise and anti-clockwise rotation
- Pilot lever for feed with latching function
- Rapid traverse override as push-button switch
- Movable control panel
- Constant cutting speed
- Induction-hardened bed guideways,
ground and Turcite counter-coated
- Hardened and ground precision ball screws
- Electrical 4-position holder
- Three-jaw lathe chuck 200 mm diam. spiral
ring design
- Fixed steady rest 10-100 mm
- Sturdy tailstock, quill MK 4
- 2 fixed centre punches MK 4
- Automatic central lubrication
- Machine light
- Complete coolant system
- Housing with 2 sliding doors and
viewing window made of safety glass
- 1 set of foundation bolts
- Operating tool
- Operating and programming instructions
- CE standard

SPECIAL EQUIPMENT

- Fixed steady rest/
Fixed and moving steady rest
- Automatic 4/6-position turret
- Multifix quick-change steel holder head
- Three-jaw lathe chuck
- Hard base jaws
- Soft top jaws
- Face plate four jaws
- Three-jaw lathe chuck 160 mm diam.
Spiral ring design

DETAIL PICTURES



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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.

CYCLE CNC TURNING MACHINE WDE 500 Plus with SIEMENS 828 B-T

WDE 500 – Order no.: 500241



ALL HIGHLIGHTS AT A GLANCE

- Ergonomic arrangement of the 2 electronic handwheels with joystick and rapid traverse via control button
- The drive package is matched to the control unit
- Spindle motor with 7.5 kW
- 3-stage gearbox with automatic gearstick
- Spindle with 3 bearings and a max. speed from 2,200 rpm
- The bed is a heavily ribbed cast construction
- The wide bed guides are induction-hardened and precision ground
- Precision ball screws in both axes
- The stable tailstock with quill has a quick clamping system
- Housing with 2 sliding doors and viewing window made of safety glass
- Complete coolant system with supply directly at the mould (various pump capacities possible)
- 4 / 6 / 8-position turret optional

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TECHNICAL DATA

- Max. swing $\varnothing$ over bed, 500 mm
- Max swing $\varnothing$ over cross slide, 280 mm
- Max. centre distance, 1,500 mm
- Spindle nose DIN 55029 KK8
- Spindle bore, 82 mm
- Spindle speed range rpm: 3 ranges
L = 7-135 / M = 30-550 / H = 110-2,200
- Bed width, 350 mm
- Manual tailstock adjustment
- Tailstock quill taper MK 5
- Quill diameter, 75 mm
- Quill stroke, 150 mm
- Spindle motor, 7.5 kW
- Z-axis travel, 1,435 mm
- X-axis travel, 295 mm
- Rapid traverse Z-axis, 5,000 mm/min
- Rapid traverse X-axis, 5,000 mm/min
- Repeat accuracy, ± 0.005 mm
- Positioning accuracy, ± 0.01 mm
- Dimensions (LxBxH), 3,230 x 1,475 x 1,730 mm
- Machine weight, approx. 3,000 kg

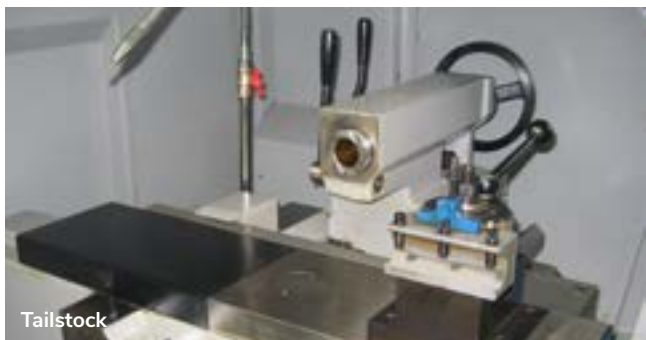
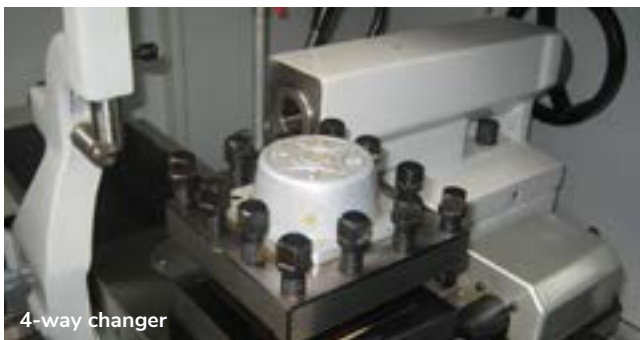
STANDARD EQUIPMENT

- Complete electrical equipment 400 V / 50 Hz
- USB interface
- Set-up mode
- Electronic handwheels with increment preselection
- Mechanical switch-on lever for spindle
- Clockwise and anti-clockwise rotation
- Pilot lever for feed with latching function
- Rapid traverse override as touch switch
- Movable control panel
- Constant cutting speed
- Induction-hardened bed guideways, ground and Turcite counter-coated
- Hardened and ground precision ball screws
- Sturdy tailstock, quill MK 5
- 2 fixed centre points MK 5
- Automatic central lubrication
- Machine light
- Complete coolant system
- Housing with 2 sliding doors and viewing window made of safety glass
- 1 set of foundation screws
- Operating tool / operating and programming instructions
- CE standard

SPECIAL EQUIPMENT

- Fixed steady rest/
- Fixed and moving steady rest
- Automatic 4/6-position turret
- Multifix quick-change steel holder
- Three-jaw lathe chuck
- Hard base jaws
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- Face plate four jaws
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DETAIL PICTURES



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