

CNC INCLINED BED TURNING MACHINES

Series WDS

Turning-milling machining centre 650A/650AY

HIGHLIGHTS

- Driven tools
(version A) with Y-axis
90° (version AY)
- Spindle nose A 2-8
(optional FL 170)
- Clearance in the
drawtube 65 mm
(75 mm for FL 170)
- Hydraulic chuck and
tailstock package
- Counter spindle
- Inclined bed 45°



TECHNICAL DATA AT A GLANCE

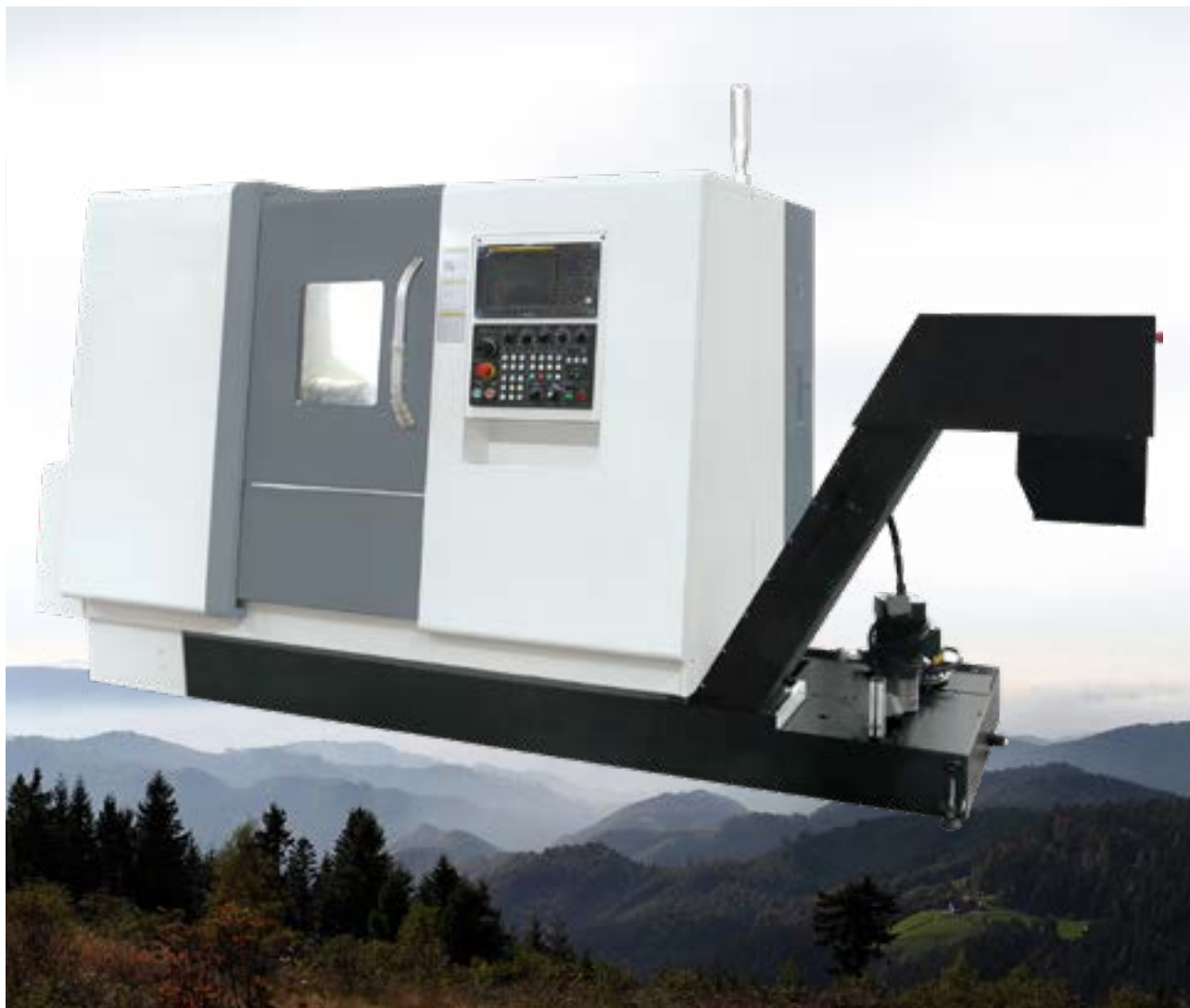
Machine type	 mm	 mm	 mm/min		 kW
WDS 650A	650/400	600/550	87/4.000	12	15/18,5
WDS 650AY	650/400	600/540	87/4.000	12	15/18,5

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



CYCLE CNC TURNING MACHINE WDS 650A/650AY with SIEMENS 828 control

WDS 650A/WDS 650AY Order no.: 500132/Order no.: 500392



ALL HIGHLIGHTS AT A GLANCE

- Driven tools (version A)
- Y-axis 90° (version AY)
- Spindle nose A 2-8 (optional FL 170)
- Clearance in draw tube 65 mm (75 mm for FL 170)
- Hydraulic chuck and tailstock package
- Counter spindle (option)
- Inclined bed 45°

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TECHNICAL DATA WDS 650A/650AY

- Max. orbital Ø 650 mm
- Max. turning Ø 400 mm
- Max. Workpiece length 550 mm
- Traverse paths:
X-axis 240 mm
Z-axis 600 mm
Y-axis +/- 60 mm
- Feed motors:
X-axis rapid traverse in diameter 30 m/min.
Z-axis rapid traverse 30 m/min.
Y-axis 18 mm/min.
- Spindle bore 87/102 mm
- Passage in draw tube 65/75 mm
- Spindle speed 4.000 rpm.
- Drive power 15/18.5 KW
- Spindle holder DIN 55026 A 2-8
- Sub-spindle (option)
- Spindle holder A 2-6, (FL 140)
- Chuck diameter 200 mm
- Speed 4.000 rpm
- Disc turret VDI 40/BMT 55
- Number of tools 12
- Outer tool dimensions 25 x 25 mm
- Internal tools diam. 40 mm
- Tool:
Drive 3.3 kW
Speed 4,000 rpm
- Switching time of the tool turret from tool to tool 0.8
- Quill taper MK 5
- Quill stroke 500 mm
- Dimensions (LxWxH),
3.870x2.000x2.000 mm
- Weight net/gross ca. 6.000 kg

STANDARD EQUIPMENT WDS 650A/650AY

- Siemens 828 D CNC control unit with spindle and feed motors from Siemens
- 45° inclined bed
- 12-station turret for driven tools
- Tools maximum speed 4.000 rpm
- Performance in standard:
Drilling: Dm. 20 mm
thread M16x7
Milling diam. 20 mm, 14 mm deep, 40 mm/min.
- BMT 55 disc turret holder
- Drive for tools DIN 5482
- Hydraulic three-jaw hollow chuck, dm. 250 mm (option 310 mm) with hard base jaws and reversible top jaws
- Tailstock with 500 mm stroke
- Electronic handwheel, switchable with cable
- Oil cutter
- Coolant device
- Cooling 1.5 KW, 5 bar
- Chip conveyor and chip trolley
- Automatic centralised lubrication
- Fully protected cabin with lighting
- Operating tools & tool box
- Operating instructions
- Programming manual
- CE standard

SPECIAL EQUIPMENT WDS 650A/650AY

- Counter spindle with hydraulic power clamping device
- Collet power chuck for collets
- Bar loader
- Renishaw tool measuring system
- Automatic door opening
- Automatic part collecting device

DETAIL PICTURES



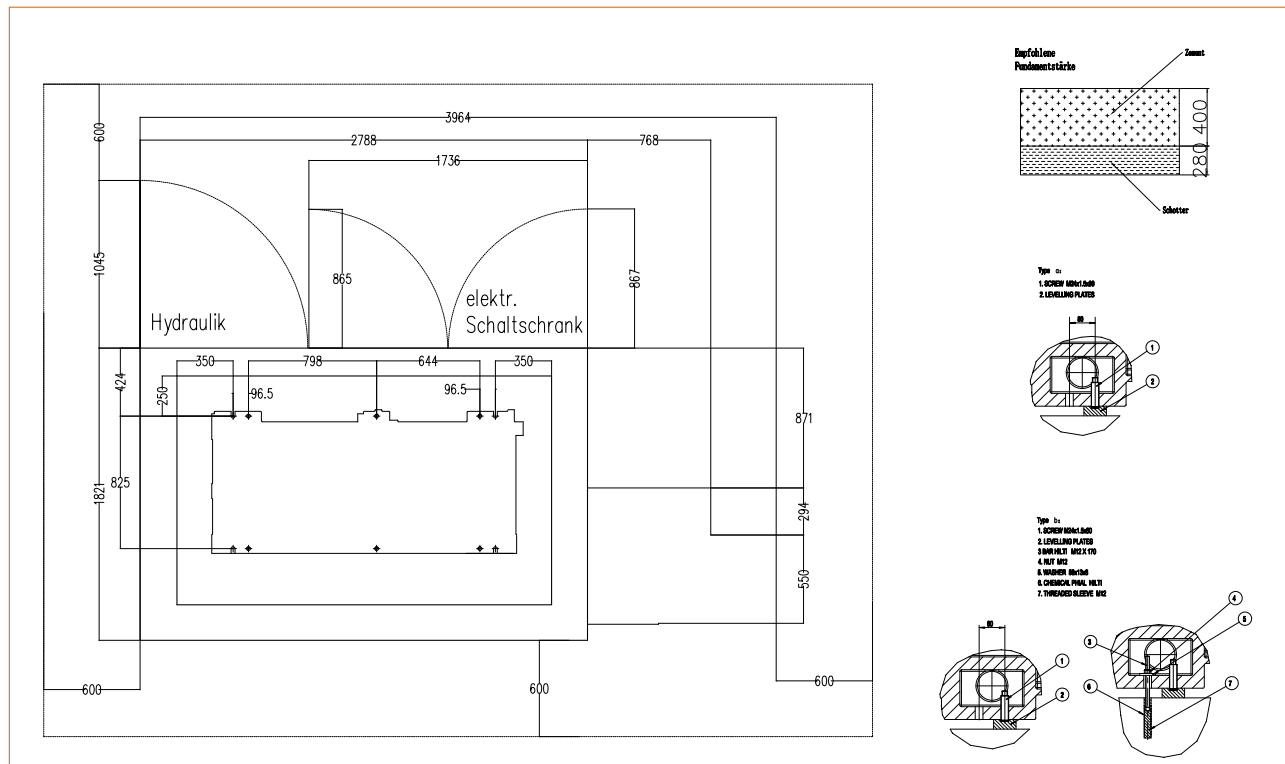
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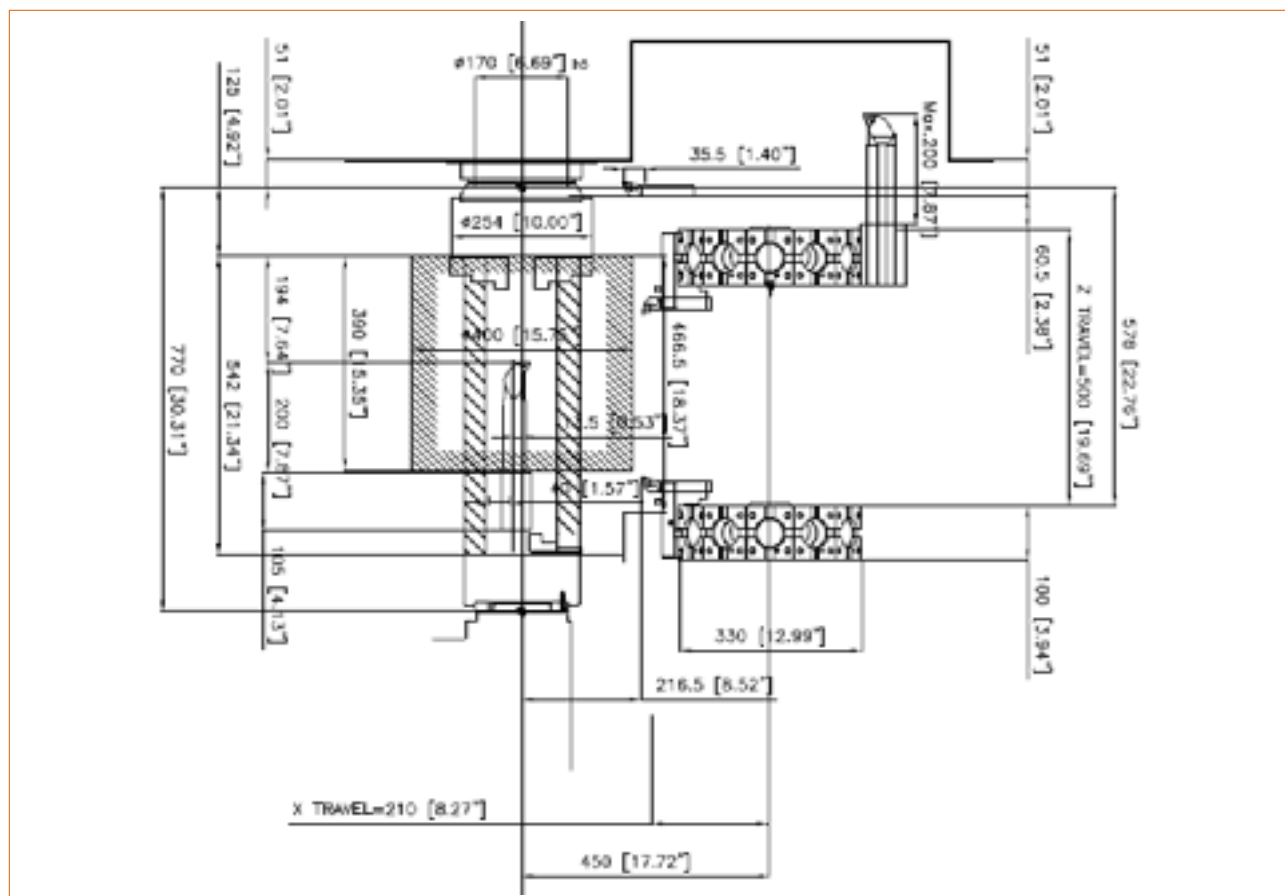
We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not binding.

TECHNICAL PLANS

Foundation plan WDS 650AYx1550



Traverse paths WDS 650AY 12 stations driven tools



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