

UNIVERSAL ROUND GRINDING MACHINES

WCG NC 2550/3260-38200/ 3860-38200/5060-50200

WCG NC 2550 Order no.: 630959
WCG NC 3260/32100/ 32150/32200
Order no.: 630960/630961/630962/630963

WCG NC 3860/38100/38150/38200
Order no.: 630964/630965/630966/630967
WCG NC 5060/50100/50150/50200
Order no.: 630968/630969/630970/630971



ALL HIGHLIGHTS AT A GLANCE

- Machine body heavily ribbed with fitted hydraulics
- Generously sized grinding spindle bearing
- Halogen machine light
- Grinding disk with disc flange and balance weights
- Workpiece headstock with infinitely adjustable spindle speed and cylindrical spindle holder
- Partial enclosure with front sliding door and splash guards
- Strong tailstock with quill spring fork tensioning
- Complete coolant equipment with paper band filter and magnetic separator (option)
- Inner grinding device with grinding spindle 80 mm Ø (option)
- Control panel with LCD touch screen and PLC-supported grinding cycle menu
- Outer grinding – inner grinding (option)
- Plunge grinding
- Digital position indicator HEIDENHAIN in the X- and Y-axis (option)
- Handwheel with scale for the manual table longitudinal movement
- Fine-adjustable magnetic valves for table speed and break lever for the hydraulic table direction switch
- Handwheel with scale for the manual grinding headstock movement

Further information on the machine series and numerous accessories can be found on our website:
<https://www.wagner-maschinen.de/en/grinding/cylindrical-grinding-machines>

TECHNICAL DATA WCG 2550 NC

Work area

- Swing diameter 260 mm
- Grinding length 500 mm
- Max. grinding outer diameter 250 mm
- Max. workpiece weight 80 kg
- Workpiece tailstock
- Infinitely variable spindle speed, 30-350 rpm
- Swivelling range 45°
- Spindle holder MK 3

Table

- Infinitely variable table speed 3-7 m/min
- Table feed per handwheel turn 10 mm
- Inclined position 8/8°
- Grinding spindle head
- Dimensions of the grinding disk
405 x 50 x 127 mm
- Grinding spindle speed 2,000 rpm
- Max. feed movement 135 mm
- Rapid traverse, forward and return, 45 mm

- Max. grinding disk movement 90 mm
- Swivelling range 30°
- Delivery per handwheel turn 2 mm
- Delivery per graduation mark 0.001 mm
- Min./max. increment in longitudinal grinding and plunge grinding 0.001-999 mm

Tailstock

- Quill stroke 25 mm
- Holder MK 4

Drives

- Grinding spindle motor 3.7 kW
- Frequency-controlled workpiece spindle motor 0,2 kW
- Hydraulic pump motor 1,5 kW
- Coolant pump motor 0,125 kW
- Magnetic separator 0,37 kW
- Weight 3.200 kg
- Space requirement 2,280 / 2,280 / 1,940 mm

STANDARD EQUIPMENT WCG 2550 NC

- Table and grinding spindle head are equipped with precision-ground and hand-scraped V- and flat guides and with a hydrostatic oil film lubrication system.
- Stepper motor controlled by microprocessors, automatic delivery
- Nitrided grinding spindle with precision angular ball bearing, accuracy class P4
- With PLC controlled automatic cycles for outer and plunge grinding.
- Repeat accuracy of the grinding spindle head +/- 0.001 mm
- Grinding spindle in round sleeve design
- Grinding headstock positioning through ground threaded spindle
- 7" TFT colour screen, menu-guided
- Delivery movement over touch screen
- Firing over touch screen
- Workpiece tailstock with frequency-controlled AC motor
- CE standard with splash guard and safety sliding door
- Grinding disk
- Grinding disk flange
- Automatic central lubrication
- Grinding disk dressing unit
- Dial gauge
- Grinding disk extracting unit
- Balancing arbour
- Toolbox with operating tools
- Operating instructions with spare parts list
- Levelling screws and adjusting blocks

SPECIAL EQUIPMENT WCG 2550 NC

- 2-point steady rest 10-70 mm
- 3-jaw feed with flange 125 mm
- Grinding disk angular extracting unit
- Coolant system with magnetic separator
- Hydraulic grinding disk extraction unit
- Hydraulic tailstock with foot pedal

Further information on the machine series and numerous accessories can be found on our website:

<https://www.wagner-maschinen.de/en/grinding/cylindrical-grinding-machines>

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

TECHNICAL DATA WCG 3260 NC - 32200 NC

Work area

- Swing diameter 320 mm
- Grinding length 600 mm / 1,000 mm
- Max. grinding outer diameter 300 mm
- Max. workpiece weight 150 kg

Workpiece tailstock

- Infinitely variable spindle speed, 30-350 rpm.
- Swivelling range 90°
- **Spindle holder MK 4**

Table

- Infinitely variable table speed 3-7 m/min
- Table feed per handwheel turn 10 mm
- Inclined position 9/9° / 7/7°

Grinding spindle head

- Dimensions of the grinding disk e 405 x 50 x 127 mm
- Grinding spindle speed 1,650 rpm
- Max. feed movement 245 mm
- Rapid traverse, forward and return, 45 mm
- Max. grinding disk movement 200 mm

- Swivelling range 30°
- Delivery per handwheel turn 2 mm
- Delivery per graduation mark 0.001 mm
- Min./max. increment in longitudinal grinding and plunge grinding 0.001-999 mm

Tailstock

- Quill stroke 25 mm
- Holder MK 4

Drives

- Grinding spindle motor 5.5 kW
- Frequency-controlled workpiece spindle motor 1.5kW
- Hydraulic pump motor 1.5 kW
- Coolant pump motor 0.2 kW
- Magnetic separator 0.03 kW
- Net weight 3,500 kg / 4,400 kg
- Space requirement 2.800 x 1.600 x 2.700 / 3.800 x 1.600 x 2.700 mm

STANDARD EQUIPMENT WCG 3260 NC - 32200 NC

- Table and grinding spindle head are equipped with precision-ground and hand-scraped V- and flat guides and with a hydrostatic oil film lubrication system
- Stepper motor controlled by microprocessors, automatic delivery
- Nitrided grinding spindle with precision angular ball bearing, accuracy class P4
- With PLC controlled automatic cycles for outer and plunge grinding
- Repeat accuracy of the grinding spindle head +/- 0.001 mm
- Grinding spindle in round sleeve design
- Grinding headstock positioning through ground threaded spindle
- 7" TFT colour screen, menu-guided
- Delivery movement over touch screen
- Firing over touch screen
- Workpiece tailstock with frequency-controlled AC Motor
- CE standard with splash guard and safety sliding door
- Grinding disk
- Grinding disk flange
- Automatic central lubrication
- Grinding disk dressing unit
- Dial gauge
- Grinding disk extracting unit
- Balancing arbour
- Toolbox with operating tools
- Operating instructions with spare parts list
- Levelling screws and adjusting blocks

SPECIAL EQUIPMENT WCG 3260 NC - 32200 NC

- Inner grinding unit 8.000/15.000/20.000 rpm.
- 2-point steady rest
- 3-point steady rest
- 3-jaw feed with flange
- 4-jaw feed with flange
- 5C collets (4-20 mm / 17 pieces)
- Grinding disk angular extracting unit
- Coolant system with magnetic separator
- Hydraulic grinding disk extracting unit
- Hydraulic tailstock with foot pedal

Further information on the machine series and numerous accessories can be found on our website:

<https://www.wagner-maschinen.de/en/grinding/cylindrical-grinding-machines>

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

TECHNICAL DATA WCG 5060 NC - 50200 NC

Work area

- Swing diameter 500 mm
- Grinding length 600 / 1,000 / 1,500 / 2,000 mm
- Max. grinding outer diameter 480 mm
- Max. workpiece weight 150 kg

Workpiece tailstock

- Infinitely variable spindle speed, 10-600 rpm
- Swivelling range 90°
- Spindle holder MK 4

Table

- Infinitely variable table speed 10 m/min
- Table feed per handwheel turn 0.001 min/mm
- Schrägstellung 9/9° / 7/7° / 5/5° / 3/3°

Grinding spindle head

- Grinding disk dimensions
510x50x152 mm

- Grinding spindle speed 1.250 rpm.
- Rapid traverse, forward and return, 6 mm
- Max. grinding disk movement 270 mm
- Min./max. increment in longitudinal grinding and plunge grinding 0,0001 mm

Tailstock

- Quill stroke 25 mm
- Holder MK 4

Drives

- Grinding spindle motor 7.5 kW
- Workpiece spindle motor 1.8 kW
- Hydraulic pump motor 0.38 kW
- Coolant pump motor 0.2 kW
- Weight 6.000/6.300/6.700/6.900 kg
- Space requirement
3.510/4.310/5.610/7.130/2.920 x 2.100 mm

STANDARD EQUIPMENT WCG 5060 NC - 50200 NC

- Table and grinding spindle head are equipped with precision-ground and hand-scraped V- and flat guides and with a hydrostatic oil film lubrication system
- Stepper motor controlled by microprocessors, automatic delivery engine with Mitsubishi motor
- Nitrided grinding spindle with precision angular ball bearing, accuracy class P4
- With PLC controlled automatic cycles for outer and plunge grinding
- Repeat accuracy of the grinding spindle head +/- 0.001 mm +/- 0.001 mm
- Grinding spindle in round sleeve design
- Grinding headstock positioning through ground threaded spindle
- 7" TFT colour screen, menu-guided
- Delivery movement over touch screen
- Firing over touch screen
- Workpiece tailstock with frequency-controlled AC motor
- CE standard with splash guard and safety sliding door
- Grinding disk
- Grinding disk flange
- Automatic central lubrication
- Grinding disk dressing unit
- Dial gauge
- Grinding disk extracting unit
- Balancing arbour
- Toolbox with operating tools
- Operating instructions with spare parts list
- Levelling screws and adjusting blocks

SPECIAL EQUIPMENT WCG 5060 NC - 50200 NC

- Inner grinding unit
8.000/15.000/20.000 U/min
- 2-point steady rest
- 3-point steady rest
- 3-jaw feed with flange
- 5C collets (4-20 mm / 17 pieces)
- Grinding disk angular extracting unit
- Coolant system with magnetic separator
- Hydraulic grinding disk extracting unit
- Hydraulic tailstock with foot pedal

Further information on the machine series and numerous accessories can be found on our website:

<https://www.wagner-maschinen.de/en/grinding/cylindrical-grinding-machines>

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