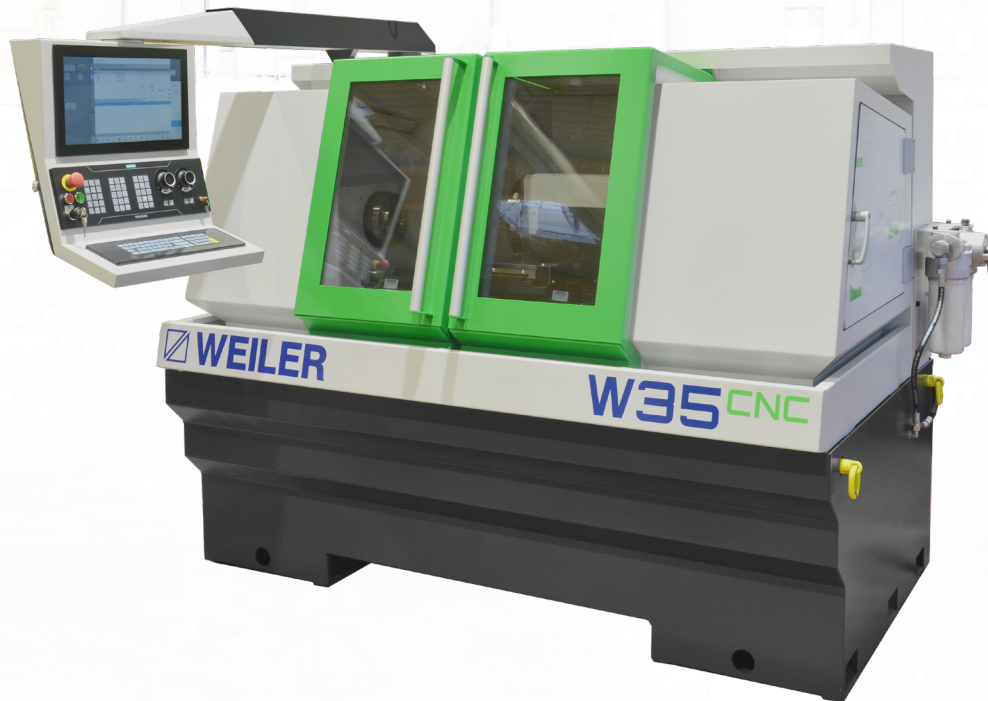


WEILER W35CNC



Universal precision CNC lathe
including the latest Siemens ONE controller with ShopTurn
user interface for future-oriented training

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TECHNICAL DATA

Standard equipment

- 8-position disc-type turret with tool holder DIN 69880 VDI20 mounted behind centre line with and without live tools
- C-axis with live tool version
- Tailstock
- Central lubrication
- Holding brake for lathe spindle
- Coolant system
- Full machine cladding
- LED work area lighting
- Taper sleeve MK6 on MK4
- Fixed centring tip MK4
- USB and network interface options

Options

- Three-jaw and four-jaw hand-operated chuck
- Power clamping devices
- Collet chuck devices
- Power operated tailstock quill
- Hollow spindle stops
- Centrifugal oil mist separator
- WEILER Condition Monitoring etc.

Controller/Electrical equipment

- Sinumerik ONE controller with a 19" TFT touch screen monitor (rotatable)
- Full CNC keyboard
- Operating voltage 400 V / 50 Hz
- Control voltage 24 V DC
- Device supply voltage 230 V / 50 Hz
- DC motors with the digital Sinamics S120 converter system
- Absolute encoder in both axes
- Configuration of electrical system according to VDE 0100/0113
- High safety standard thanks to double monitoring of main spindle and axes (Integrated Safety)
- Connection option for zeroing or isolation transformer
- Multi-stage Energy Control System (CTRL-ENERGY) can be selected

Working range		W35CNC	W35CNC (AGW)
Distance between centres	mm	700	700
Swing over bed	mm	360	360
Swing over cross slide	mm	160	160
Turning diameter	mm	220	190
Bed width	mm	260	260

Lathe spindle			
Spindle head according to DIN ISO 702-3 (DIN 55027)	Size	6	6
Spindle diameter in front bearing	mm	90	90
Spindle bore	mm	57	57
Inner taper	MK	6	6

Main drive			
Drive power 60% / 100% duty cycle	kW	9 / 7	9 / 7
Overall speed range	rpm	1-4.500	1-4.500
Max. torque of spindle	Nm	90	90

Feed range			
Longitudinal feed force	N	7000	7000
Transverse feed force	N	3000	3000
Longitudinal and transverse feed range	mm/rev	0,001-10	0,001-10
Max. rapid longitudinal/transverse speed	m/min	15 / 10	15 / 10

Thread cutting range			
Metric threads	mm	0,1-400	0,1-400
Inch threads	TPI	56 - 1/4	56 - 1/4
Module threads	mm	0,125 - 28	0,125 - 28
DP threads	DP	224 - 1	224 - 1
Max. number	max.	99	99

Tailstock			
Quill diameter	mm	50	50
Quill stroke	mm	140	140
Inner taper of quill	MK	3	3

Tool turret			
Disc-type turret mounted behind centre line VDI20		8 positions	8 positions
Cross section of lathe tool (height x width)	mm	16 X 16	16 X 16
Pitch circle diameter	mm	160	200
Cutting diameter	mm	320	350
Driven tool stations		-	8
Tool drive speed	rpm	-	4000

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User videos can be found on the WEILER channel on

