



GDW

Werkzeugmaschinen



GDW made for
Safety



The perfect entry into the premium segment

Precision Centre Lathes

Product line

economy-Line

LZ 330 V
LZ 400 V

High performance for low budget

economy-Line is the GDW series for all those who don't want to compromise on precision and quality, even on a small budget!

Details and features of the economy line

- Stepless main spindle drive
- 24 feed and thread stages (LZ 330 V)
- 48 feed and thread stages (LZ 400 V)
- Powerful torque
- Energy efficient
- Extremely smooth running thanks to optimized drive
- Low noise levels thanks to finely ground gears
- Covered lead and drive spindle
- Covered lead screw and feed screw
- Automatic handwheel release
- Optimal usability and ergonomics
- Extensive equipment details
- Economical, precise, valuable
- Highest safety standard thanks to TÜV certification
- Engineering made by GDW
- Manufacturing by Partner of GDW



Spindle housing with belt tension relief.

Additional speed control with speed monitoring (LZ 330 V).



Tool cabinet with telescopic pull-outs.

Electrically monitored access door to the drive area.



Electromechanical stop for cutting right-hand and left-hand threads.



Spindle housing with safety interlock for high torques (LZ 400 V).



economy-Line 3-axis position display

- GDW interface
- 7" color screen
- 99 tool data
- Taper calculator
- Poti operating display
- Speed display
- Cutting speed display
- Gear position display
- Speed monitoring
- Switching of the Z-axis to sum or Zo separately
- Display permanently installed in the housing
- Cable drag chain for scales
- Scales prepared for sealing air
- Display can be swiveled and tilted
- USB port on the front



Digital machine passport:
Up-to-date safety, from creation
to decommissioning.



Safety single-lever switch for longitudinal
and cross feed with mechanical switch
stage and mutual locking for feed and
thread cutting.



Base frame with integrated coolant
tank, pump, and coolant gauge.

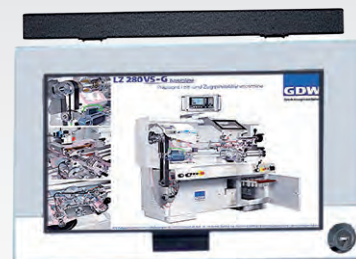
The assembly can be pulled out of
the base frame on a telescopic slide.

Technical data		LZ 330 V	LZ 400 V
Working range			
Center height	mm	165	200
Swing over bed	mm	330	400
Swing over cross slide	mm	190	225
Distance between centers	mm	670	1000
Width of bed	mm	220	260
Work spindle			
Spindle head DIN 55027		Size 5	Size 6
Spindle diameter in front bearing	mm	70	90
Spindle bore	mm	43	62
Inside diameter of collet (draw-in c. syst.)	mm	26	26
Inside diameter of collet (push-out c. syst.)	mm	42	60
Inner taper of the main spindle	metric	50	70
Diameter of chuck	mm	160 (200)	200 (250)
Tool slide			
Cross slide travel	mm	165	210
Top slide travel	mm	115	115
Swiveling range of top slide	Degree	+75 / -65	+180 / -180
Tool system	Size	A (B)	B
Height of tool shank	mm	20	20 (25)
Lead screw spindle pitch	mm	6	6
Drive			
Drive capacity	kW	5,5 / 6,5	7,5 / 12,5
Speed range	1/min	30 - 4000	30 - 750 / 30 - 3000
Gear steps	1/min	1	2
Max. torque at the spindle	Nm	65	90 / 360
Feed range			
Longitudinal feeds	mm/U	0,025 - 0,9	0,025 - 2
Feed rates	mm/U	0,009 - 0,32	0,012 - 1,0
Metric thread pitches	mm/U	0,2 - 14	0,2 - 14
Tailstock			
Diameter of quill	mm	45	60
Stroke of quill	mm	90	110
Inner cone of the quill	MK	3	4
Weight			
Machine as a transport unit	kg	1100	1800
Dimensions			
Length x width x height (including screen)	mm	1550 x 1035 x 1450	2100 x 1060 x 1800
Standard painting			
Machine enclosure		Light gray RAL 7035	Light gray RAL 7035
Machine base, splash guard and feed guard		Anthracite gray RAL 7016	Anthracite gray RAL 7016

Standard equipment: LED machine light · Mobile splash guard with safety glazing · Removable rear panel · Integrated tool cabinet with telescopic pull-outs · Additional service socket · Coolant device Multifix size A/B · Safety selector switch for collet and chuck work Installation elements · 3-axis position display with 7" color screen Electromechanical limit switch device for thread and feed operation

The machine is approved in accordance with DIN 8605

www.gdw-drehen.de



Option teachingline: Digital assistance system with e-learning interface

Extensive, optional accessories available, e.g.



Manual collet chucks for tension and compression collets



Quick-release lever device for pull-type collets



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