

The new size of  
precision manufacturing

**GDW**

Werkzeugmaschinen



figure with special equipment

---

Ergo-Contoured  
Computer-Aided  
Precision Engine Lathe

Product line

---

conturline

---

**C 400Z**

Technical Data		C 400Z
<b>Working range</b>		
Distance between centers	mm	1000
Swing over bed	mm	450
Swing over cross-slide	mm	220
Traverse of cross-slide	mm	220
Width of bed	mm	350
Cross section of lathe tool (height x width)	mm	25x25
<b>Work spindle</b>		
Spindel head DIN 55027		size 6
Spindel diameter in front bearing	mm	90
Spindel bore	mm	62
Inner drive of main spindle	metric	70
<b>Main drive</b>		
Drive capacity 60% / 100% ED	kW	15 / 10,5
Speed range	1/min	1–4000
Speed range gear stage I	1/min	1–4000
Speed range gear stage II (Option)	1/min	1–870
Maximum torque at spindle	Nm	225 / 900
<b>Feed range</b>		
Three-phase alternating current - servo drives		
Longitudinal feedrate force	N	5000
Transversal feedrate force	N	5000
Longitudinal and transversal feed range	mm/U	0,001–60
Max. long./transvers. rapid traverse	m/min	6 / 6
<b>Thread cutting range</b>		
Metric threads	mm	0,1–400
Inch threads	Gr./inch	56 – 1/4
Modular threads	mm	0,125 – 28
DP threads	DP	224 – 1
Number of thread grooves	max.	99
<b>Tailstock</b>		
Diameter of quill	mm	70
Stroke of quill	mm	110
Inner taper of quill	MT	5
<b>Weight</b>		
Machine = one shipping unit	kg	2500
<b>Dimensions</b>		
Length x width x height	mm	2500 x 1700 x 1750
<b>Standard painting</b>		
Machine body		Light grey RAL 7035
Sliding doors		Tele grey 2 RAL 7046
<b>Control</b>		
Siemens		828D ShopTurn/ Manual lathe

The lathe is acceptance-inspected in accordance with DIN 8605.

[www.gdw-drehen.de](http://www.gdw-drehen.de)

### Machine optionally with

Quick-change tool post size B with insert BD25120

or

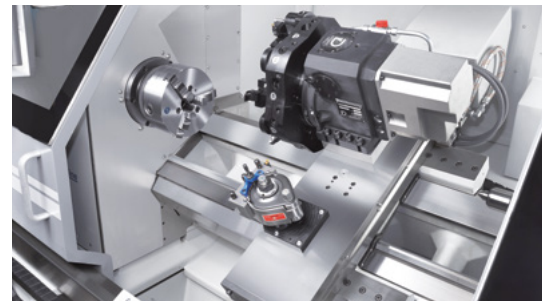
12-fold disk turret, tool disk with cylinder shaft take-up in accordance with DIN 69880-20, TK 200/240 mm

or

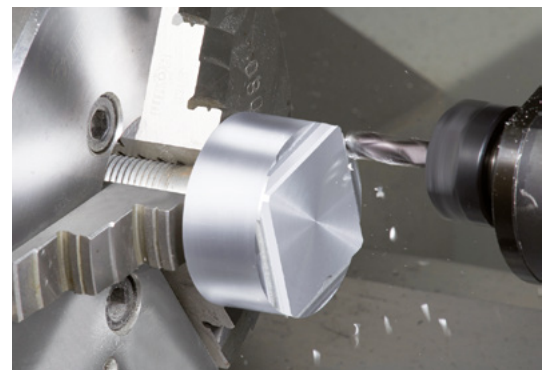
12-fold disk turret, 6 out of 12 with driven tools, with cylinder shaft take-up in accordance DIN 69880-20, TK 200/240 mm, inclusive of C-axis for main spindle

### Standard equipment:

- LED machine lamp
- Protective flange for spindle head DIN 55027-6
- Main spindle brake
- Coolant attachment
- Following control panel
- Sliding doors with safety glass panes
- 2 male centers DIN 806-MK5 and MK4



Clearly arranged working area



C-axis drive



### Werkzeugmaschinen

GDW Werkzeugmaschinen GmbH

Große Bauerngasse 58

91315 Höchststadt a.d. Aisch

Phone +49 9193/508 79-0

Fax +49 9193/508 79-30

Email [info@gdw-drehen.de](mailto:info@gdw-drehen.de)