

Quotation

for

CTX beta 2000 TC
Serial Number: 00810001601



Highlights

- TC version: counter spindle (optional) and turning- milling spindle for 2000 mm turning length
- Large dimension of components (guide way size 55) for high stability and durability
- Biggest Y-axis stroke of its class (± 150 mm)
- Powerful turning- milling spindle with torque motor for B-axis in standard
- Linear guides in X- and Z-axis for high machining dynamics
- Disk magazine with 24 tools
- Large, transparent work area with minimum required space
- ERGOline control with 21,5"-TFT wide screen with CELOS for facilitate machine operation

Investment summary

Machine and Options				
Basic machine				
CTX beta 2000 TC	B-A72611	1	754,900.00	USD
Control				
CELOS with Siemens 840D sl Operate	B-A70632	1	0.00	USD
Spindle				
Main spindle ISM 102	B-B7001	1	21,700.00	USD
Counter spindle ISM 102	B-E72591	1	61,700.00	USD
Option for spindle				
Clamping pressure adjustment at the control, MS	B-B0034	1	2,730.00	USD
Clamping pressure adjustment at the control, CS	B-B0034G	1	2,730.00	USD
Tool spindle				
Tool mounting Capto C6	B-H7020	1	7,320.00	USD
Tailstock				
Tailstock function for counter spindle	B-D7020	1	4,960.00	USD
Steady rest				
Steady rest slide, NC controlled	B-D7208	1	40,000.00	USD
Tool magazine				
Chain magazine for 100 tools Capto C6	B-H7030	1	95,200.00	USD
Coolant supply / Chip removal				
Chip conveyor hinged type	B-F7004	1	15,450.00	USD
BFU 8/20/80 bar, 980 l, cooler	B-F01481	1	47,050.00	USD
Chuck rinsing device, outside, main spindle	B-B0011	1	0.00	USD
Chuck rinsing device, outside, counter spindle	B-B0011G	1	0.00	USD
Coolant supply through the counter spindle	B-B0041G	1	0.00	USD
Coolant spray gun	B-Z0400	1	1,840.00	USD
Measuring / Monitoring				
Workpiece touch probe RMP60, Renishaw	B-H70161	1	18,900.00	USD
Tool measuring device NT-H 3D, BLUM chain magazine	B-H7060	1	31,450.00	USD
Protection Package	B-H72521	1	13,250.00	USD
Automation				
Signal lamp 4-fold coloured	B-Z0205	1	2,560.00	USD
Automatic door, electrical	B-H7052	1	15,150.00	USD
General options				
Design version "BLACK"	B-Z0830	1	0.00	USD
Package for tropical climate (ambient temp. 50°C)	B-Z0076	1	4,600.00	USD
Package for instable supply	B-Z7050	1	1,970.00	USD
Frequency 60 Hz	B-Z0100	1	0.00	USD
Measure				
Measure inch	B-Z0111	1	0.00	USD
Options for Siemens control with CELOS / Siemens				
5-axis simultaneous machining	B-A0329	1	17,750.00	USD
Alternating speed	B-A0335	1	1,230.00	USD

Documentation

Technical documentation B-A0095 1 0.00 USD

Special constructionsDMQP: Schunk 1366718 ROTA THW3 400-128 Z300-
GBK Standard Power Lathe Chuck with Jaw Quick-
change System (SQ) Qty. 2DMQP: Schunk 1525075 \$MNT-M,CTX Beta
2000,THW3 400 Main spindle mounting components to
machine specifications (SQ)DMQP: Schunk 1525077 \$MNT-S,CTX Beta 2000,THW3
400 Sub spindle mounting components to machine
specifications (SQ)DMQP: Schunk CS-INST-ROTA-H-FP Installation
Service (SQ)NOTE: This machine is used and sold as is condition. No
warranty. Schunk items installed in LATC.DMQP: Federal Pacific Transformer TX40T93MS 3
phase 208/240/480 Volts Primary In Step Up/Down to
400Y/231**Price machine and options** 1,219,517.00 USD**Digitalization Products****CELOS Products**

NETservice D-CEL201 1 0.00 USD

IoT connector D-CEL250 1 0.00 USD

SERVICE AGENT (CELOS) D-CEL300 1 0.00 USD

MESSENGER V2 (CELOS) D-CEL400 1 0.00 USD

Price Digitalization Products 0.00 USD**Services****Services / Accessories**

3D data model of working area B-Z0908 1 2,550.00 USD

Special constructions services

Precision Protection Program : Valid until Feb 8 2028 SK018 1 38,693.00 USD

Logistics: (JK Hackl) Machine Freight of CTX Beta
2000TC with 100 Tools From Cypress, CA to Spring, TX SK019 1 23,760.00 USD

Rigging: Rigging Fee to unload at Customer Location SK020 1 11,825.00 USD

Sales company services

SV1: Standard Machine Installation Z-COST01 1 0.00 USD

DMG MORI Connect Z-COST06 1 1,000.00 USD

EG1: Standard Machine Training Z-COST07 1 0.00 USD

Quotation note**DMG MORI****Precision Protection Program**

DMG MORI wants to ensure you have complete coverage for your investment. Our industry unique **Precision Protection Program** can protect you against unexpected service and parts costs resulting from a breakdown or collision, arising from operator error. Trust in us to provide you with the latest technology and superior coverage to protect your business and valued investment!

What is covered?

- + DMG MORI machinery and DMQP peripherals
- + Cost to repair or replace equipment damaged by a covered breakdown, including parts and labor, subject to a \$1,000 deductible per claim
- + Includes coverage for the repair costs arising from **operator error**, including parts and labor, subject to a \$1,000 deductible per claim

What is the coverage limit?

- + The Precision Protection limit is the purchase price of the equipment
- + Coverage is effective for a 5-year term from the date of installation

What is the cost?

- + 6% of the purchase price of the machine.

- **Please note:** The machine must be maintained, serviced & repaired in accordance with DMG MORI's recommended guidelines, using only DMG MORI approved service engineers & parts

DMG MORI Connect

Streamline your production process while maximizing output and machine lifecycle.
2 years of service included during standard machine warranty.

DMG MORI Messenger Cloud

- Real time monitoring and history analysis platform
- Convenient web access from PCs and mobile devices
- Simple data exports for in-depth evaluation and reporting

DMG MORI NETservice

- Remote diagnosis supported by DMG MORI service experts
- Immediate and direct support minimizes downtime and service costs
- Secure encrypted connection

YouTube video



Quote number: 52500735602

Series BBE006 valid 11/11/2019 - 10/08/2021

02/03/2025

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Price status: 02/03/2025

* further description see attachment

DMG MORI Bielefeld GmbH
CTX beta 2000 TC

Machine and Options	USD	USD
Basic machine		
Basic machine CTX beta 2000 TC turning length 2000 mm (78.74 inch)	B-A72611*	1
- Main spindle as integrated spindle motor, ISM 76, drive power 25/32 KW (33.5/42.9 in) (S1-100%d.c. / S3-40%d.c.), torque 280/360 Nm (206.5/265.5 lb*ft) (S1-100%d.c. / S3-40%d.c.), speed range 0-5000 rpm		754,900.00
- Partial hollow clamping device (hydraulic), draw tube ID 67 mm (2.63 in)		
- C-axis and spindle brake (hydr.)		
- Upper compound slide with turning-/ milling spindle with max. 12000 rpm, 19/22,5 kW (25.4/30.1 hp)		
(S1-100%d.c. / S3-40%d.c.-2min), 85/120 Nm (62.6/88.5 lb*ft)		
(S1-100%d.c. / S3-40%d.c.-2min), with hydraulic locking, reception HSK-A63, DIN 69893		
- Y-axis ±150 mm (±5.90 inch)		
- B-axis ±120° interpolating, torque motor		
- 24-fold disc magazine		
- NC-tailstock with quill with integrated bearing, hydraulically operated, fixed center		
- Absolute, direct measuring systems in X-, Y-, Z1-axis		
- Cooling pump 6 bar (87.02 psi); 20 l/min (5.28 gal/min), cooling filtration grade 50 µm		
- Cooling system for spindle motors, motor console, turning-milling spindle, B-axis torque motor		
- Connection, electr./mechanic, for oil mist extractor		
- CELOS® with Siemens 840D sl		
Control		
CELOS with Siemens 840D sl Operate includes 21,5" ERGOline® Control with Multi-Touch-Screen	B-A70632*	1
Spindle		

Main spindle as integrated spindle motor ISM 102	B-B7001	1	21,700.00
- Drive power 33/40 KW (44.3/53.6 hp) (100/40% d.c.)			
- Torque 580/700 Nm (427.8/516.25 lbxft) (100/40% d.c.)			
- Speed range 0-4000 rpm			
- Partially hollow clamping device (hydr.) inner dia of draw tube 104 mm (4.09.in) x 800 mm (31.5 in) deep			
- C-axis and spindle brake			
Counter spindle as integrated spindle motor ISM 102	B-E72591	1	61,700.00
- Drive power 33/40 kW (44.3/53.6 hp) (100/40% d.c.)			
- Torque 580/700 Nm (427.8/516.2 lbxft) (100/40% d.c.)			
- Speed range 0-4000 rpm			
- Partial hollow clamping (hydr.)			
- Draw tube ID 104 mm (4.09 in)			
- C axis and spindle brake (hydr.)			
- Basic slide (Z3), AC servo drive with ball screw, absolute measuring system in feed motor			
- Cooling system for motor console and integrated spindle motor			
- Chuck rinsing device, outside			

Option for spindle

Clamping pressure adjustment at the control for the main spindle	B-B0034	1	2,730.00
The clamping pressure can be specified by NC program			

The clamping pressure can be specified by NC program	B-B0034G	1	2,730.00
The clamping pressure can be specified by NC program			

Tool spindle

Turn/ mill spindle and magazine with tool mounting Capto C6 instead of HSK-A 63	B-H7020	1	7,320.00
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Tailstock

Tailstock function for the counter spindle incl. foot switch.	B-D7020	1	4,960.00
Mechatronic control of the supporting force, selectable per program			
Thrust force:			
CTX 2500, CTX beta, CTX beta TC, CLX TC:			
2.5 - 6 kN			
CTX beta 2000 TC:			
2,5 - 17 kN			

Steady rest

Steady rest slide	B-D7208	1	40,000.00
<ul style="list-style-type: none">- NC controlled- Max. clamping range 350 mm (13.7 in)- Incl. energy supply for steady rest			
Tool magazine			
Tool magazine, 100fold chain magazine with double gripper with cam drive instead of tool disc magazine, tool reception Capto C6			

Tool dia./tool length
max. 140/400 mm (5.51/15.74 in)
Tool weight max. 12 kg (26.46 lb),
only with Siemens control,
surcharge
(add. option B-H7020 required).

Coolant supply / Chip removal

Hinged typ chip conveyor incl. coolant tank and coolant pump, 6 bar (87 psi)/20 litre/min	B-F7004	1	15,450.00
Compact coolant system, consisting of: - Coolant tank, 980 litre/259.9 gal. - 8 bar/20 litre/min (CTX beta 2000 TC, CTX gamma TC 2nd: 8 bar/80 l/min /116 psi/ 21.1 gal/min) and 20 bar/25 litre/min and 80 bar/20 litre/min (theoretical pump performance) (116 psi/5.2 gal/min and 290 psi/ 6.6 gal/min and 1160 psi/5.2 gal/min) programmable via M-functions coolant supply through turning/milling spindle - Band filtration unit, grade of filtration 40 µm/1.57 µ inch - Coolant chill, 4,5 kW (6.03 hp) - Level controlled pump	B-F01481	1	47,050.00

Chuck rinsing device for main spindle, outside	B-B0011	1	0.00
Chuck rinsing device for counter spindle, outside	B-B0011G	1	0.00
Coolant supply through the counter spindle	B-B0041G	1	0.00
Coolant spray gun	B-Z0400	1	1,840.00
Measuring / Monitoring			
Workpiece touch probe RMP60, Renishaw	B-H70161	1	18,900.00

- Dimensions basic body (excl. stylus length):
L= 76 mm (3 in), Ø= 63 mm (2.4 in)
- Interchangeable in turning/milling spindle
- Probe reception and tracer point with data transfer between probe and receiver by radio signals
- Incl. measuring cycle package Inspection Plus

Note:

Custom measuring cycles are not included

Tool measuring device, BLUM for fixed and rotating tools in the turning/milling spindle in combination with chain magazine consisting of:	B-H7060	1	31,450.00
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- Laser measuring device NT-H 3D for the measuring of rotating tools (drills, milling cutters, reamers etc.), measuring of diameter and length
- Switching mechanical touch probe TC 76 for the measuring of fixed tools (turning tools, boring bars etc.), detection of the presetting dimensions in X- and Z-direction
- Intelligent measuring cycles for comfortable and easy measuring, measuring of correction values, compensation of measuring values in the control, checking of form, wear and concentricity

Protection Package consisting of:
- MPC 1.0 – Machine Protection Control
- Easy Tool Monitor 2.0

MPC 1.0 - Machine Protection Control
Preventive protection by vibration sensor (SDS) at the spindle:
Machine protection by quick shutdown of milling head in less than 0,01 sec

Tool breakage monitoring
Easy Tool Monitor 2.0
- Simplified holistic view of the actual state of the tools in side screen of CELOS*
- Setting of one monitoring limit for each tool selected from the tool list
- Easy teaching function to measure monitoring limit, with manual modification / correction of the fixed values
- Tool fracture and wear monitoring
- Process analysis and optimization

Note:

- Only available from Siemens Operate 4.7
- *Except CLX 450 TC

Automation

Signal lamp, 4-fold, coloured B-Z0205* 1 2,560.00

Automatic door, electrical B-H7052 1 15,150.00

General options

Design version „BLACK“ B-Z0830 1 0.00
Working area door, front cover beneath
Working area door and front pane frame in colour deep black

Package for tropical climate for ambient temperature of max. 50°C, consisting of cooling system for control cabinet (until 50°) and machine B-Z0076 1 4,600.00

Package for instable supply consisting of under voltage circuit-breaker and Z-axis / Z-axes feed motor (s) with brake (s) B-Z7050 1 1,970.00

Frequency 60 Hz	B-Z0100	1	0.00
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Note:

Does not include adjustment
to country regulations

Measure

Measure inch	B-Z0111	1	0.00
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Options for Siemens control with CELOS / Siemens

5-axis simultaneous machining (only with Siemens control)	B-A0329*	1	17,750.00
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Technology cycle for the application of an alternating speed for vibration sensitive set-ups (Only in conjunction with Siemens control)	B-A0335*	1	1,230.00
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Documentation

Technical documentation	B-A0095	1	0.00
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Special constructions

DMQP: Schunk 1366718 ROTA THW3 400-128 Z300-GBK Standard Power Lathe Chuck with Jaw Quick-change System (SQ) Qty. 2	SK008	1	34,624.00
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Product features:

- 3-jaw ring-piston chuck
- Sealed version
- Jaw quick-change system
- Through-hole: Ø128 mm
- Straight recess mount: ISO 702-4 Nr. 11 (Z300)
- Jaw interface: Straight serration

Technical data:

- Stroke per jaw: 8.6 mm
- Piston stroke: 25 mm
- Max. clamping force: 240 kN
- Max. actuating force: 128 kN
- Max. RPM: 3000 1/min
- Weight: 103.2 kg

Scope of delivery:

- 1x Power chuck ROTA THW3 400-128
- 1x Set of base jaws of type GBK with tongue and groove
- 3x Fastening screws
- 1x Jaw quick-change wrench
- 1x Operating manual

Not in scope of delivery:

- Top jaws

DMQP: Schunk 1525075 \$MNT-M,CTX Beta 2000,THW3 400 Main spindle mounting components to machine specifications (SQ)	SK009	1	3,325.00
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Consisting of:

- Draw tube adapter
- Mounting flange

Required machine information:

- Make, model, serial number
- or
- Certified spindle drawings

DMQP: Schunk 1525077 \$MNT-S,CTX Beta
2000,THW3 400 Sub spindle mounting
components to machine specifications (SQ)

Consisting of:

- Draw tube adapter
- Mounting flange

Required machine information:

- Make, model, serial number
- or
- Certified spindle drawings

DMQP: Schunk CS-INST-ROTA-H-FP Installation Service (SQ) SK011 1 3,325.00

NOTE: This machine is used and sold as is condition. No warranty. Schunk items installed in LATC. SK012 1 3,813.00

DMQP: Federal Pacific Transformer TX40T93MS 3 phase 208/240/480 Volts Primary In Step Up/Down to 400Y/231 with Taps SK003 1 11,990.00

Price machine and options	1,219,517.00
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Digitalization Products	USD	USD
CELOS Products		
DMG MORI NETSERVICE Qualified support by Internet-based remote diagnostics	D-CEL201*	1 0.00
DMG MORI IoTconnector The IoTconnector allows the use of online services of DMG MORI (e.g. NETSERVICE or MESSENGER on ADAMOS)	D-CEL250*	1 0.00
DMG MORI Service Agent Overview of all maintenance work on the machine	D-CEL300*	1 0.00
DMG MORI Messenger V2 Installation kit for the connection of one CELOS machine.	D-CEL400*	1 0.00

Price Digitalization Products		0.00	
Services		USD	USD
Services / Accessories			
3D data model of the working area of the specified machine in Step and IGES data format. The 3D data model is delivered on a data carrier.	B-Z0908	1	2,550.00
Special constructions services			
Precision Protection Program : Valid until Feb 8 2028	SK018	1	38,693.00
Logistics: (JK Hackl) Machine Freight of CTX Beta 2000TC with 100 Tools From Cypress, CA to Spring, TX	SK019	1	23,760.00
Rigging: Rigging Fee to unload at Customer Location	SK020	1	11,825.00
Sales company services			
SV1: Standard Machine Installation DMG MORI Connect A 2-year subscription of DMG MORI connectivity software: + Messenger Cloud - Machine monitoring through web application + NETservice 4.0 - Remote service by DMG MORI Hotline via CELOS APP *NETservice is only available on machines with IoTconnector	Z-COST01 Z-COST06	1 1	0.00 1,000.00
EG1: Standard Machine Training	Z-COST07	1	0.00
Price services		77,828.00	