

## Quotation

for

**Technometal Orfanidis E.E**

**DMU 50**



### Highlights

- By CELOS **simple operation** and holistic Integration in the business organization\*
- **Optimum flexibility** – Variable table options from rigid to swivel rotary table with digital drives for automatic 5-axis machining
- **Optimum space economy** – Excellent accessibility to the work area, good chip disposal and steeply slanted walls, large working area in relation to small machine size
- **Digital drives and direct measuring systems** (optional) guarantee highest precision and top surfaces
- **Mounting of tool magazine parallel to production time**
- **Powerful motor spindle** with up to 18,000 rpm (optional)

\*Only in conjunction with CNC control CELOS with Siemens

## Investment summary

	<b>Basic machine</b>	
S-A3172	DMU 50 New DMG MORI Design	1
	<b>Control</b>	
S-B3256	CELOS with Siemens 840D sl Operate	1
	<b>Packages</b>	
S-T3013	DMU 50 '21 COMPLETE, consisting of:	1
S-C3042	Swivel Rotary Table, simultaneous	1
S-D3048	Tool magazine 30 po SK40 vertical chain	1
S-K3130	Direct measuring systems X/Y/Z	1
S-N3029	Air seal for linear measuring systems	1
S-N3332	Package Price BENEFIT of 75%	1
	<b>Cooling media / chip removal</b>	
S-K3272	Swarf conveyor	1
S-K3367	Internal coolant supply 40bar/600l	1
S-N3004	Spray gun for swarf removal	1
S-N3018	Coolant-air blast change-over	1
	<b>Automation</b>	
S-K3201	Signal lamp 4 colour	1
	<b>Options for CELOS with Siemens / Siemens</b>	
S-H3095	Manual control panel	1
	<b>Screen Text Language</b>	
S-D/GB	Screen text german/english	1
	<b>Special constructions</b>	
SK001	S-K3527 Measuring kit Renishaw	1
SK002	S-K3494 Preparation 3D quickSET	1
	<b>DMG MORI Connectivity</b>	
D-CO100	IoTconnector	1
D-CO102	Machine Data Connector	1
D-CO101	NETservice	1
	<b>DMG MORI Monitoring</b>	
D-MO001	Messenger V4	1
	<b>DMG MORI Maintenance</b>	
D-MT001	Service Agent	1
	<b>Packing / Transport / Installation</b>	
S-P3124	Packing base/cover DMU 50	1
S-P3076	Packing base/cover swarf conveyor	1
S-P3013	Packing base/cover Internal coolant supply	1
S-O3134	Dispatch basic machine	1
	<b>Special constructions services</b>	
SK003	Installation at customer premises	1
SK004	3 days training at customer premises	1

**DECKEL MAHO  
DMU 50**

**Basic machine**

S-A3172*	Universal Milling Machine DMU 50 New DMG MORI Design Traverse range X/Y/Z 500/450/400 mm / 19.6/17.7/15.7 in 30 m/min / 98,4 ft/min Rapid feed Speed range 20 to 14.000 r.p.m InLine spindle with 20,3/14,5 kW / 27,2/19,4 hp (40/100%ED) Tool taper ISO40 DIN 69871 Cabin-guarding	1
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**Control**

S-B3256*	CELOS with Siemens 840D sl Operate includes 21,5" ERGOline® Control with Multi-Touch-Screen.	1
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**Packages**

S-T3013	DMU 50 '21 COMPLETE, consisting of:	1
S-C3042*	Swivel Rotary Table for simultaneous machining Clamping surface dia. 630 x 500mm / 24.8 x 19.6 in swivel range -5 to +110°, rotary axis 360° including direct measuring system for B- and C-axis and working plane transformation Not available with NC-Divider EA 410!	1
S-D3048*	Tool magazine 30 places SK40 Vertical chain with double gripper incl. set up station for tool loading	1
S-K3130	Direct measuring systems X,Y,Z axes	1
S-N3029	Air purge for linear measuring systems X,Y,Z	1
S-N3332	Package Price BENEFIT of 75%	1

**Cooling media / chip removal**

S-K3272	Swarf conveyor, scraper type	1
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DMU 50

\* further description see attachment

S-K3367\* Internal coolant supply (ICS) 1  
with paper type filter,  
40 bar/23 l/min / 600-l tank  
580 psi/6 gallon/min /160 gallon  
incl. cabin roof,rotary joint inspindle,  
rotating clear-view window (not  
available with option 2nd cabin door)

S-N3004 Spray gun for swarf removal 1

S-N3018 Coolant - air-blast changeover external, 1  
switchable via M-Function

**Automation**

S-K3201 Signal lamp 4-colour 1  
Red: general error  
Yellow: intervention necessary  
Green: automatic mode  
Blue: set-up mode

**Options for CELOS with Siemens / Siemens**

S-H3095 Electronic handwheel 1

**Screen Text Language**

S-D/GB Screen text german/english 1

**Special constructions**

SK001 S-K3527 Measuring kit Renishaw 1  
touch probe PP40 optical with tool taper  
TS27R contact tool setting probe for  
tool length and tool diameter measurement

SK002 S-K3494 Machine preparation for use of the 1  
3D quickSET Toolkit.  
included is the Softwareoption for  
3D quickSET for one machine.  
5 axis machine configurations  
(only with option touch probe)

**DMG MORI Connectivity**

D-CO100\* **IoTconnector** 1  
The **IoTconnector** allows the use  
of online services of DMG MORI  
(e.g. **NETservice**)

D-CO102\* **Machine Data Connector (MDC)** 1  
Uniform machine data interface.

D-CO101\* **NETservice** 1  
Qualified support by Internet-based  
remote diagnostics

**DMG MORI Monitoring**

D-MO001*	<b>Messenger V4</b> Clear presentation of the machine live status.	1
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**DMG MORI Maintenance**

D-MT001*	<b>Service Agent</b> Overview of all maintenance work on the machine	1
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**Packing / Transport / Installation**

S-P3124	Packaging base with foil DMU 50	1
S-P3076	Packaging base with foil swarf conveyor	1
S-P3013	Packaging base with foil ICS	1
S-O3134	Dispatch basic machine	1

**Special constructions services**

SK003	Installation at customer premises	1
SK004	3 days training at customer premises	1