

# Twister t40dty (driven tools; y-axis)

- basic machine EMCOTURN E45 TMY
- control: SIEMENS or FANUC
- max. turning OD 400 mm
- turret hydraulic with 12 tooling positions VDI 30 / 6 with driven tools
- Y-Axis travel +40 / -30mm
- extraction unit and cutter
- SealCAM software/hardware
- flexible clamping system up to 254 mm OD/for bigger ODs clamping discs incl. 1 set clamping plate
- tools - basic equipment, VDI-holders inclusive and Tool holder for plastic
- keys and necessary additional

**all round price: on request**

- installation in Europe inclusive
- installation outside Europe EUR 3.000,00

Optional equipment	
set VDI, tool holder and tool inserts for Aluminium parts	2.890,00 EUR
set extra tool mini	1.885,00 EUR
set extra tool maxi	3.210,00 EUR
PC-desk Alu	1.769,00 EUR
work table with Tool rack	966,00 EUR
band saw	810,00 EUR
airplast	490,00 EUR
cooling water control equipment	285,00 EUR
chip con	998,00 EUR
milling cutter for grooves	2.700,00 EUR
tool grinding system	1.922,00 EUR
tool lapping system	2.470,00 EUR
transformer – 40	3.270,00 EUR
interface barfeeder	2.350,00 EUR
sea freight 40 ft container CFR port and sea freight packing	on request

## delivery

ex works, not covered by insurance  
 delivery time usually 8 – 12 weeks or rather against agreement

## training

1 week for 1 person free on the ordered machine in Klagenfurt excl. board/lodging and travel  
 each further person EUR 200,00 / day excl. board/lodging and travel alternatively:  
 after installation at your place - EUR 400,00 / day excl. board and lodging

## payment

30 % against order / prompt  
 60 % against delivery - before dispatch / prompt  
 10 % after successful training and installation 30 days net

## warranty

1 year effective from date of installation

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.

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<b>Capacity</b>		
Swing over bed	[mm]	ø 430
Max. machining diameter	[mm]	ø 300
Max. machining length	[mm]	510
Max. bar work diameter	[mm]	ø 45
<b>Travel</b>		
Travel in X-axis	[mm]	160
Travel in Z-axis	[mm]	240
<b>Main spindle</b>		
Speed range	[rpm]	0-6300
Max. torque	[Nm]	43
Spindle nose acc. to DIN 55026		A2-5
Spindle bearing inner diameter	[mm]	ø80
Spindle bore diameter	[mm]	ø 53
<b>C-Axis</b>		
Resolution	[°]	0,001°
Rapid speed	[rpm]	100
Spindle indexing w/ disc brake	[°]	0,01°
<b>Main drive</b>		
Main drive power @ 100/40% duty cycle	kW	9 / 13
<b>Turret</b>		
Number of tool station		12
Quick change tool shank according to DIN 69880		VDI 30
Turret indexing time	[sec]	0,14
<b>Rotary tools (Coupling DIN5480)</b>		
Rapid traverse	[m/min]	20 / 24
Max. feed thrust in X-axis	[N]	4000
Max. feed thrust in Z-axis	[N]	6000
Acceleration time 0 to rapid	[sec]	0,1
Positioning variation Ps in X / Z (VDI 3441)	[µm]	3,5 / 4
<b>Coolant system</b>		
Tank capacity	[l]	250
Coolant pump	[kW]	0,57/2,2
Coolant delivery @ 3,5bar/1bar	[l/min]	15/65
Coolant delivery @ 10bar/5bar (optional)	[l/min]	5/50
<b>Hydraulic system</b>		
Multi-circuit hydraulic system for power chuck		
Oil tank capacity	[l]	10
Max. pressure for work holding	[bar]	50
<b>Pneumatic unit</b>		
Air pressure required	[bar]	6
Air volume required	[l/min]	5
<b>Lubrication system</b>		
Guide ways and ball screws (featuring oil-save logic)	Autom. central oil lubrication	
Main spindle, counter spindle (free of maintenance)	Grease lubrication	

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Painting		
Light - Grey	RAL No.	7035
Signal - Blue	RAL No.	5005
Signal - Orange	RAL No.	2010
Power supply		
Voltage	[V]	3x400 / PE
Max. voltage fluctuations	[%]	+/-10
Frequency	[Hz]	50/60
Connected load value	[kVA]	20
Main fuse for machine	[A gG,gL]	50 s.b.
Required short circuit power (in case there is a weak power at the customer source, a SURPRESSION FILTER F5Z 360 can be offered as a solution)	[kVA]	1100
Operable temperature range	[°C]	+10 to +35
Use of additional transformers		
A) For connecting the machine to a line supply network without a protective conductor (IT-supply, TT-supply) only use an isolating transformer.		
B) For connecting the machine to a line supply network with a protective conductor (TN-supply, TN-C supply) you also can use an auto-transformer.		
Dimensions / weight		
Spindle height above floor	[mm]	1152
Machine total height	[mm]	2360
Floor space WxD (without chip conveyor)	[mm]	2575x1790
Total weight of the machine	[kg]	3300
Sound intensity level		
Average sound emission level	[db(A)]	78
According to the following conditions:		
Measuring method: enveloping surface according to DIN 45 635		
Measured point: 1m distance and 1.6m above ground		
Operating mode: max. spindle speed w/ no load		

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