

Twister t60I

- basic machine EMCOTURN E65 T (R6)
- control: SIEMENS or FANUC
- max. turning OD 640 mm
- turret hydraulic with 12 tooling positions VDI 20
- extraction unit and cutter
- SealCAM software / hardware
- flexible clamping system up to 400 mm OD/for bigger ODs clamping discs incl. 1 set clamping plate
- tools - basic equipment, VDI-holders inclusive and Tool holder
- 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 – 60	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.

Twister t60l

Capacity		
Swing over bed	[mm]	ø 650
Max. machining diameter	[mm]	ø 640
Max. machining length	[mm]	520
Max. bar work diameter	[mm]	ø 65
Travel		
Travel in X-axis	[mm]	320
Travel in Z-axis	[mm]	610
Main spindle		
Speed range	[rpm]	60-4200
Max. torque	[Nm]	192
Spindle nose acc. to DIN 55026		A2-6
Spindle bearing inner diameter	[mm]	Ø100
Spindle bore diameter	[mm]	ø 73
C-Axis		
Resolution	[°]	0,001°
Rapid speed	[rpm]	100
Spindle indexing w/ disc brake	[°]	0,01°
Main drive		
Main drive power @ 100/40% duty cycle	kW	15/18
Turret		
Number of tool station		12
Quick change tool shank according to DIN 69880		VDI 20
Turret indexing time	[sec]	0,2
Feed drives		
Rapid traverse	[m/min]	24 / 24
Max. feed thrust in X-axis	[N]	5000
Max. feed thrust in Z-axis	[N]	7000
Acceleration time 0 to rapid	[sec]	0,2
Positioning variation Ps in X / Z (VDI 3441)	[µm]	3 / 3,5
Coolant system		
Tank capacity	[l]	230
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
Hydraulic system		
Oil tank capacity	[l]	10
Max. pressure for work holding	[bar]	50
Pneumatic unit		
Air pressure required	[bar]	6
Air volume required	[l/min]	5
Lubrication system		
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
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]	1100
Machine total height	[mm]	1880
Floor space WxD (without chip conveyor)	[mm]	2852x1722
Total weight of the machine	[kg]	4300
Sound intensity level		
Average sound emission level	[db(A)]	75
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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