

TRAVERSE MILL Series

Travelling Column Vertical Machining Centres

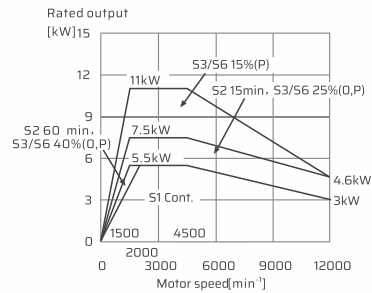


Travelling Column BT30 Taper

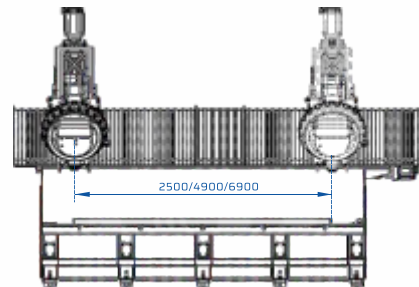
- The TRM Series features a high machine bed structure, which effectively prevents water and chips from splashing outside the equipment, while protecting important components such as guideways and screws. This design enhances the machine's lifetime and reliability.
- The bottom of the worktable is designed with a large inclined surface for chip removal, which is more convenient for cleaning and chip removal.
- This PA Model is widely used in electronic appliances, customised furniture and other aluminum frame processing.
- X-axis 2500mm to 6900mm
- Y-axis 400mm



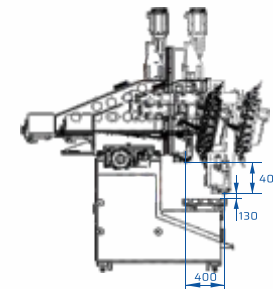
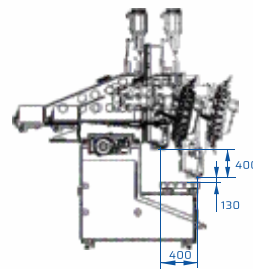
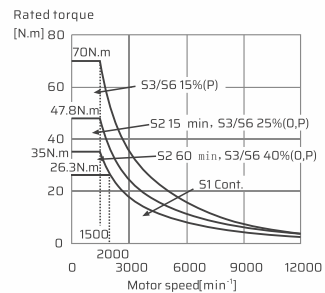
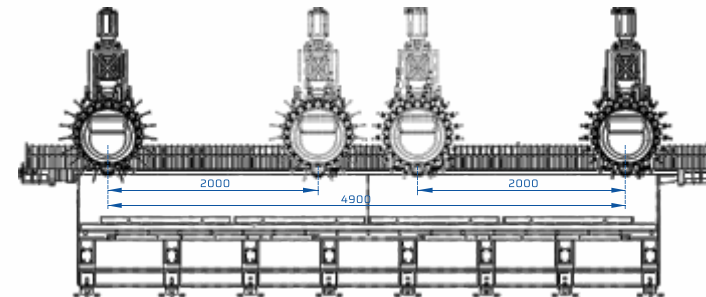
FANUC Power Torque Diagram



TRM 40-3025/3040/3060



TRM 40-3049 2W



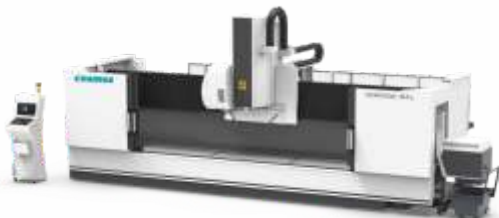
Machine Specifications

Specifications	Units	TRM 40-3025/3040/3060	TRM 40-3049 2W
Traverse			
X-axis Travel	mm	2500/4900/6900	2000 (Left/Right)
Y-axis Travel	mm	400	400
Z-axis Travel	mm	400	400
Spindle Nose to Table Surface (Daylight)	mm	130-530	130-530
Table			
Table Dimensions	mm x mm	2510/4920/6920x450	4900x450
Max. Safe Load on Table	kg	1000	1000
No./Width/CD of T-Slots	No./mm/mm	184x100	184x100
Spindle			
Drive		Direct Drive	Direct Drive
Spindle Taper		BT30	BT30
Spindle Speed	rpm	12000	12000
Spindle Motor Power	kW	5.5/11	5.5/11
Speed			
Rapid Traverse X/Y/Z axes	m/min.	50/36/36	50/36/36
Cutting Feedrates	m/min.	15	15
Tool Changer			
ATC Type		Drum	Drum
No. of Tools	Nos	21	21
Max. Tool Length	mm	250	250
Max. Tool Weight	kg	3	3
Tool Diameter with Adjacent Tool (without)	mm	60	60
Tool Changing Time (Tool to Tool)	sec.	3	3
Others			
Net Weight (with ATC)	kg	7500/9000/11000	10000

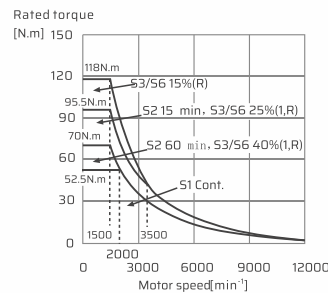
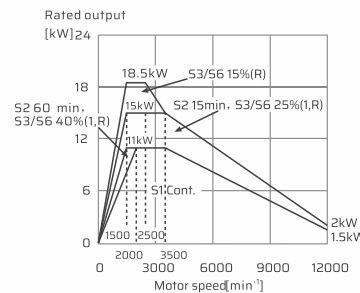
Note: Specifications and features are subject to change without prior notice.
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Travelling Column BT40 Taper

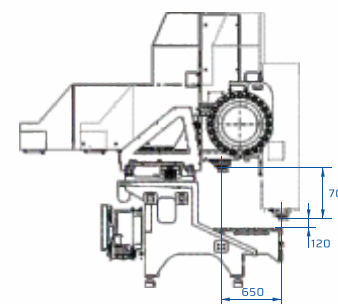
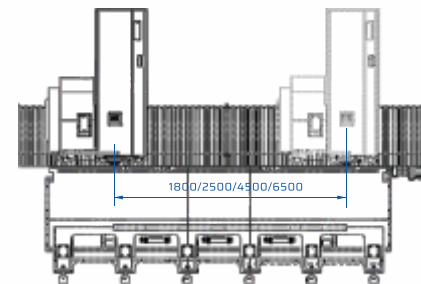
- The TRM Model CNC Machining Centre has the capability to perform milling, drilling, and tapping operations, allowing for the machining of various lengths of metal profiles, such as aluminum, steel, copper, etc.
- Has a high degree of accuracy, rigidity and stability.
- This PDE Model is widely used in the railways, aerospace, military machinery, module guide and communication industries.
- X-axis 2500mm to 6500mm
- Y-axis 550mm and 650mm



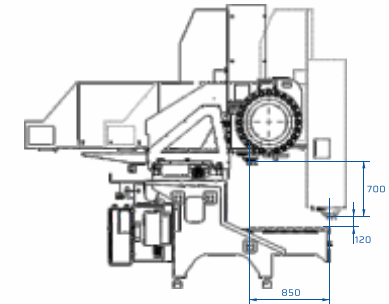
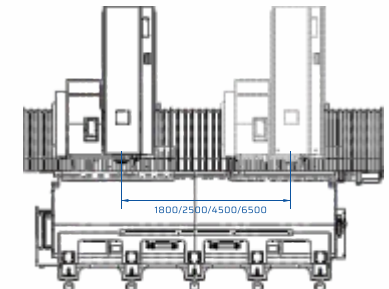
FANUC Power Torque Diagram



TRM 55-4025/4045/4065



TRM 65-4018/4025/4045/4065



Machine Specifications

Specifications	Units	TRM 55-4025/4045/4065	TRM 65-4018/4025/4045/4065	TRM 65-4045/4065
Traverse			<i>with Beam</i>	<i>without Beam</i>
X-axis Travel	mm	2500/4500/6500	1800/2500	4500/6500
Y-axis Travel	mm	550	650	650
Z-axis Travel	mm	700	700	700
Spindle Nose to Table Surface (Daylight)	mm	140-840	120-820	120-820
Table				
Table Dimensions	mm x mm	2500/4500/6500x550	1840/2510x650	4520/6520x650
Max. Safe Load on Table	kg	1000	1000	1000
No./Width/CD of T-Slots	No./mm/mm	184x100	186x100	186x100
Spindle				
Drive		Direct Drive	Direct Drive	Direct Drive
Spindle Taper		BT40	BT40	BT40
Spindle Speed	rpm	12000	12000	12000
Spindle Motor Power	kW	11/18.5	11/18.5	11/18.5
Speed				
Rapid Traverse X/Y/Z axes	m/min.	60/28/28	36/36/36	36/36/36
Cutting Feedrates	m/min.	15	15	15
Tool Changer				
ATC Type		Arm Type	Arm Type	Arm Type
No. of Tools	Nos	24	24	24
Max. Tool Length	mm	300	300	300
Max. Tool Weight	kg	8	8	8
Tool Diameter with Adjacent Tool (without)	mm	75 (150)	75 (150)	75 (150)
Tool Changing Time (Tool to Tool)	sec.	2	2	2
Others				
Net Weight (with ATC)	kg	10500/12500/14700	10000/11000	10000/11000

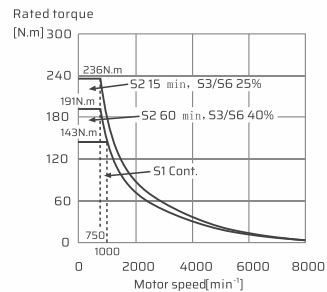
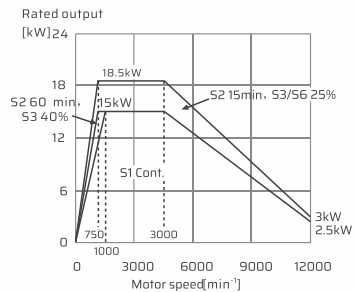
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Travelling Column BT50 Taper

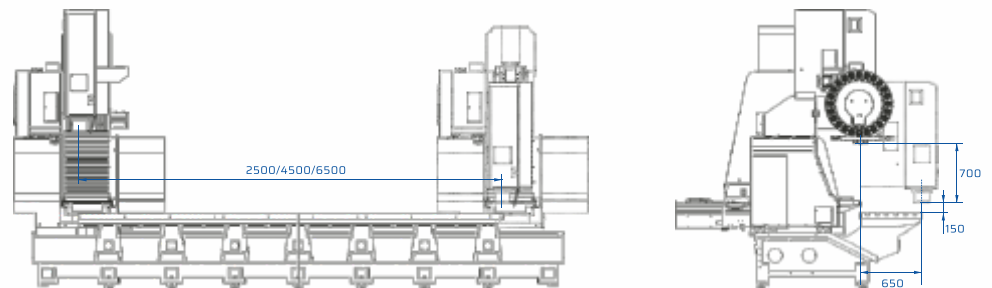
- The TRM Model CNC Machining Centre has capability of milling, drilling and tapping.
 - Machining of various lengths of metal profiles, such as aluminum, steel, and copper.
 - Equipment has a protected enclosure.
 - The auto chip conveyor is standard configuration which makes it easier for chip removal.
 - This PYE Model is widely used in the railway, aerospace, military machinery, module guide and communication industries.
- X-axis 2500mm to 6500mm
 - Y-axis 650mm



FANUC Power Torque Diagram



TRM 65-5025/5045/5065



Machine Specifications

Specifications	Units	TRM 65-5025/5045/5065
Traverse		
X-axis Travel	mm	2500/4500/6500
Y-axis Travel	mm	650
Z-axis Travel	mm	700
Spindle Nose to Table Surface (Daylight)	mm	140-840
Table		
Table Dimensions	mm x mm	2500/4500/6500x650
Max. Safe Load on Table	kg	1000
No./Width/CD of T-Slots	No./mm/mm	186x100
Spindle		
Drive		Belt Drive
Spindle Taper		BT50
Spindle Speed	rpm	8000
Spindle Motor Power	kW	15/18.5
Speed		
Rapid Traverse X/Y/Z axes	m/min.	60/36/36
Cutting Feedrates	m/min.	15
Tool Changer		
ATC Type		Arm Type
No. of Tools	Nos	24
Max. Tool Length	mm	300
Max. Tool Weight	kg	18
Tool Diameter with Adjacent Tool (without)	mm	110 (220)
Tool Changing Time (Tool to Tool)	sec.	4
Others		
Net Weight (with ATC)	kg	12000/15000/17000

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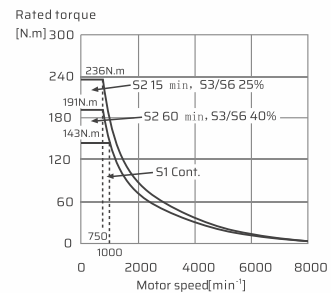
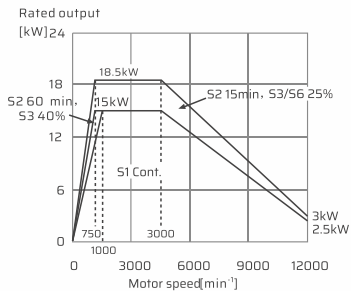
Travelling Column BT50 Taper

- The TRM Model CNC Machining Centre has capability of milling, drilling and tapping.
- Machining of various lengths of metal profiles, such as aluminum, steel, and copper.
- Equipment has a protected enclosure.
- The auto chip conveyor is standard configuration which makes it easier for chip removal.
- This PYE model is widely used in the railway, aerospace, military machinery, module guide and communication industries.

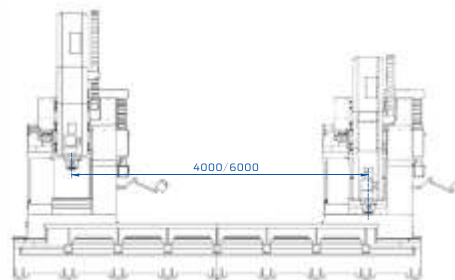
- X-axis 4000mm to 6000mm
- Y-axis 800mm and 1200mm



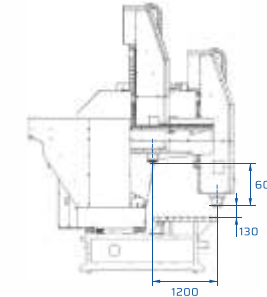
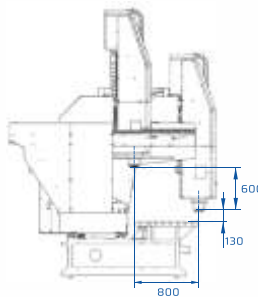
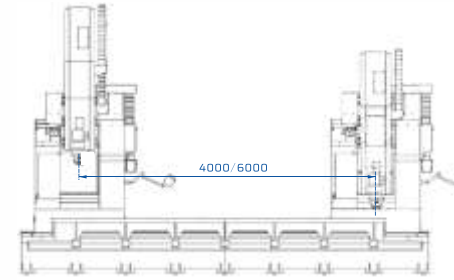
FANUC Power Torque Diagram



TRM 80-5040/5060



TRM 120-5040/5060



Machine Specifications

Specifications	Units	TRM 80-5040/5060	TRM 120-5040/5060
Traverse			
X-axis Travel	mm	4000/6000	4000/6000
Y-axis Travel	mm	800	1200
Z-axis Travel	mm	600	600
Spindle Nose to Table Surface (Daylight)	mm	150-750	150-750
Table			
Table Dimensions	mm x mm	4510/6500x800	4000/6000x1200
Max. Safe Load on Table	kg	1500	1500
No./Width/CD of T-Slots	No./mm/mm	185x150	186x200
Spindle			
Drive		Direct Drive	Direct Drive
Spindle Taper			
Spindle Speed	rpm	8000	8000
Spindle Motor Power	kW	15/18.5	15/18.5
Speed			
Rapid Traverse X/Y/Z axes	m/min.	40/30/20	40/30/20
Cutting Feedrates	m/min.	15	15
Tool Changer			
ATC Type		Arm Type	Arm Type
No. of Tools	Nos	24	24
Max. Tool Length	mm	300	300
Max. Tool Weight	kg	18	18
Tool Diameter with Adjacent Tool (without)	mm	110 (220)	110 (220)
Tool Changing Time (Tool to Tool)	sec.	6	6
Others			
Net Weight (with ATC)	kg	19000/22000	21000/24000

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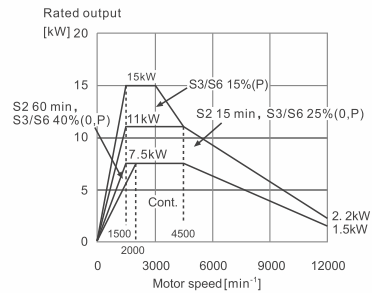
Gantry Type BT40 Taper

- The TRM Model CNC Machining Centre has the capability function of milling, drilling, tapping.
- With BT40 spindle and a low machine base design.
- A large range of processing parts, high processing accuracy.
- The auto chip conveyor is a standard configuration which makes it easier for chip cleaning.
- This PHE Model is widely used in the metal panel processing industries, such as the rail transit, EV battery tray, machinery parts and other fields.

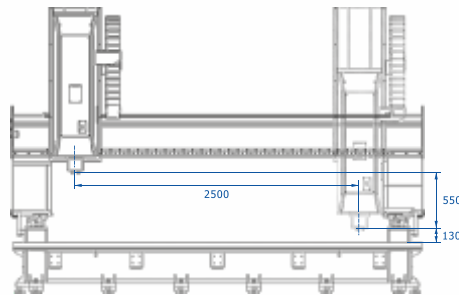


- X-axis 2500 and 3000mm
- Y-axis 1800mm and 2000mm

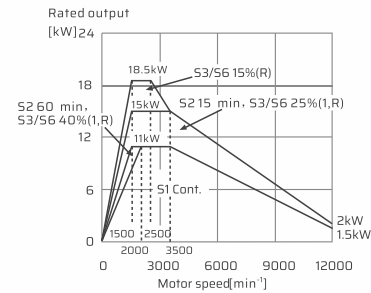
FANUC Power Torque Diagram



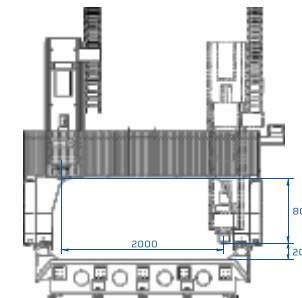
TRM 18-4025 GT



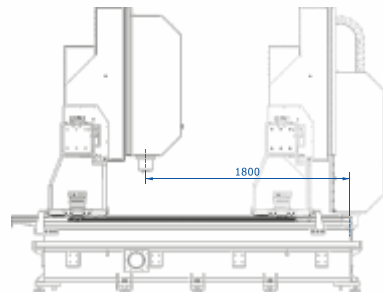
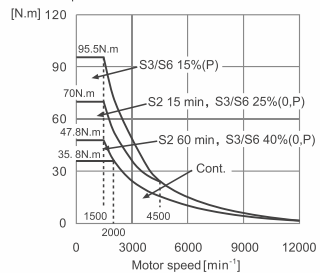
FANUC Power Torque Diagram



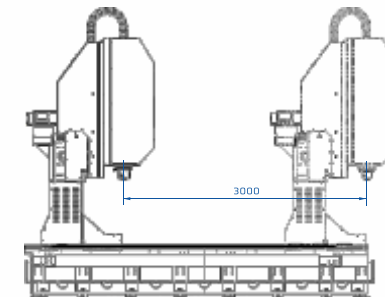
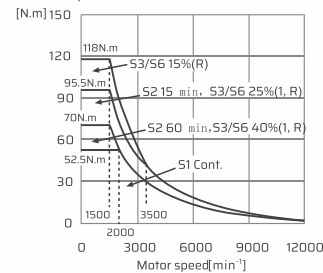
TRM 20-4030 GT



Rated torque



Rated torque



Machine Specifications

Specifications	Units	TRM 18-4025 GT	TRM 20-4030 GT
Traverse			
X-axis Travel	mm	2500	3000
Y-axis Travel	mm	1800	2000
Z-axis Travel	mm	550	800
Spindle Nose to Table Surface (Daylight)	mm	200-750	200-1000
Table			
Table Dimensions	mm x mm	2500x1800	3000x2000
Max. Safe Load on Table	kg	500	1000
No./Width/CD of T-Slots	No./mm/mm	187x300	188x200
Spindle			
Drive		Direct Drive	Direct Drive
Spindle Taper		BT40	BT40
Spindle Speed	rpm	10000	12000
Spindle Motor Power	kW	7.5/15	11/18.5
Speed			
Rapid Traverse X/Y/Z axes	m/min.	40/40/20	60/60/36
Cutting Feedrates	m/min.	15	15
Tool Changer			
ATC Type		Arm Type	Arm Type
No. of Tools	Nos	24	24
Max. Tool Length	mm	300	300
Max. Tool Weight	kg	8	8
Tool Diameter with Adjacent Tool (without)	mm	75 (150)	75 (150)
Tool Changing Time (Tool to Tool)	sec.	2	2
Others			
Net Weight (with ATC)	kg	11000	15000

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Corporate Office

Cosmos House, Plot No. 85/2, Padra Road, Atladara, Vadodara, Gujarat - 390 012

Manufacturing Facilities

Plant - I

Cosmos Impex India Pvt. Ltd., Plot No. 847, 848 Village Ranu, Ta. Padra, Vadodara, Gujarat - 391 445

Plant - II

Plot No. 68-B, Sigil Compound, Padra Road, Atladara, Vadodara, Gujarat - 390 012

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