

BT > LINEAR GUIDEWAYS BED TYPE MILLING MACHINES

BT

MODELS

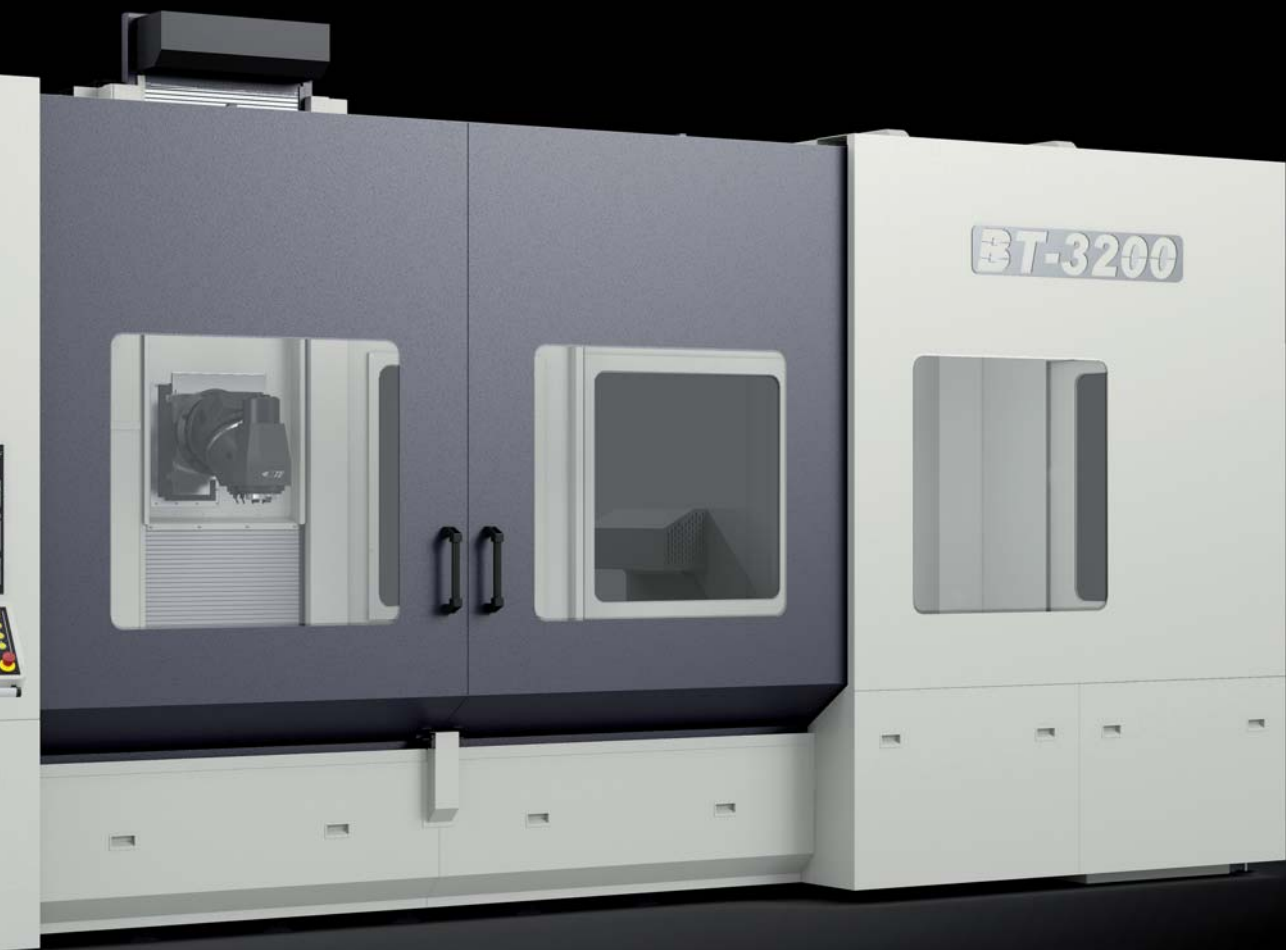
2200

3200

4200

5200





*Open Top enclosure (optional)

The **BT series** bed type milling machines feature state-of-the-art, high feed rate cutters and large milling heads and are ideally equipped for all applications.

The BT machines' high weight due to their heavy ribbed cast design, the use of INA guidings and the typical MTE oil-cooled 3-speed gear drives makes it highly dynamic, stable and precise.

TECHNICAL FEATURES

BT	2200	3200	4200	5200
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TABLE

Working surface	mm	2.200 x 1.000	3.200 x 1.000	4.200 x 1.000	5.200 x 1.000
T-slots	mm	1x22H7 + 6x22H12 in 140			
Maximum load	kg	7.200	11.000	13.000	15.000

TRAVELS

X axis (longitudinal)	mm	2.000	3.000	4.000	5.000
Y axis (cross)	mm	1.200 (1.300) ¹			
Z axis (vertical)	mm	1.500 (2.000) ¹			

SPINDLE

Spindle taper		SK50 DIN 69871 / AD			
Speed	rpm	4000 / (6.000) ¹			
Ranges		3			
Power	kW	32 ² (40) ¹			
Maximum torque	Nm	2.050 ³ (4.000 rpm) 1.085 ⁴ (6.000 rpm) ¹			

FEEDS

Maximum feed	m/min	25			
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WEIGHT

Machine weight	kg	20.000	24.000	27.000	30.000
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¹ option.

² Heidenhain motor.

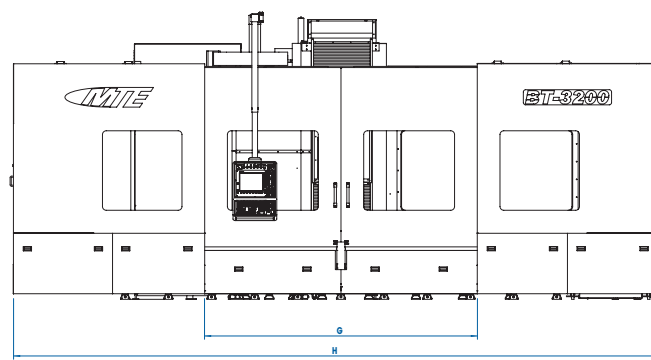
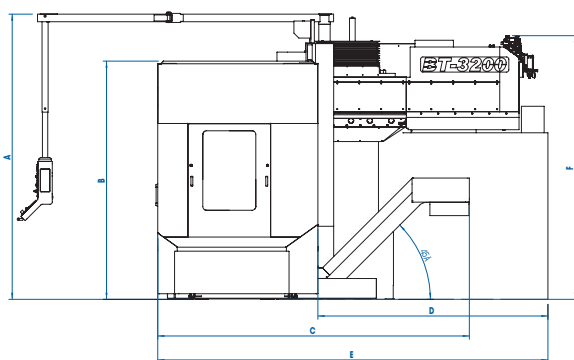
³ Heidenhain 32 kW and AFK milling head. For further information (combination of other milling heads and power), please feel free to contact us.

⁴ option. Heidenhain 32 kW and AFK milling head. For further information (combination of other milling heads and power), please feel free to contact us.

MTE reserves the right to modify the design and technical features shown in this catalogue without notice.

> BT OPEN TOP ENCLOSURE

DIMENSIONS



BT OPEN TOP ENCLOSURE (mm)

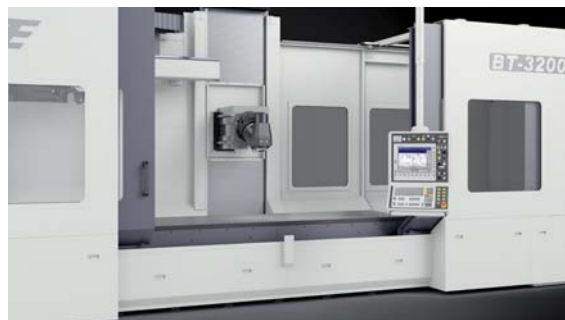
	A	B	C	D	E	F	G	H
BT-2200	3.770 ¹	2.925 ²	4.200	3.050	5.200	3.500 ³	2.600	6.600
BT-3200	3.770 ¹	2.925 ²	4.200	3.050	5.200	3.500 ³	3.600	8.600
BT-4200	3.770 ¹	2.925 ²	4.200	3.050	5.200	3.500 ³	4.600	10.600
BT-5200	3.770 ¹	2.925 ²	4.200	3.050	5.200	3.500 ³	5.600	12.600

Data for Y=1200 / Z=1500.

¹ 3270 for Z= 1000 / 4270 for Z= 2000.

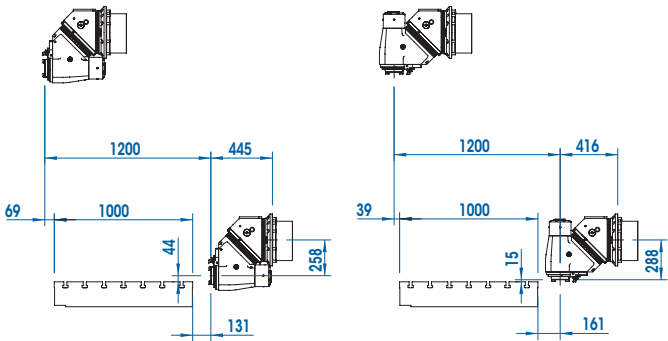
² 2850 for Z= 1000 / 3425 for Z= 2000; +500 with Full Closed enclosure.

³ 3000 for Z= 1000 / 4000 for Z= 2000

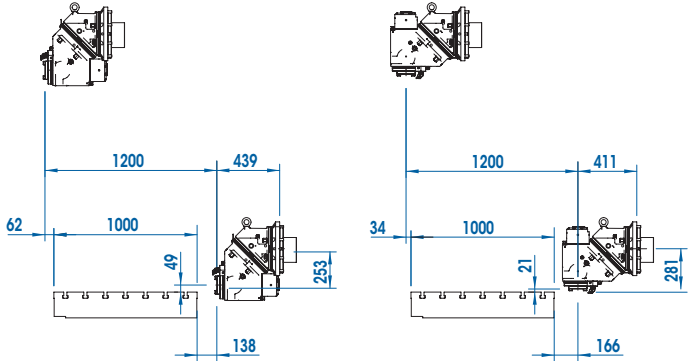


MILLING HEADS

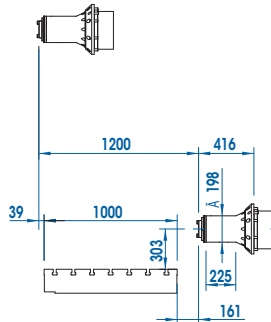
AUTOMATIC MILLING HEAD (AFK) 2,5°x2,5° (4.000/6.000 rpm) / 1x2,5° (4.000/6.000 rpm)



MANUAL MILLING HEAD 4.000/6.000 rpm (MFK)



DIRECT SPINDLE HEAD 4.000 rpm (HFK-225)





BT Open Top model. Side view



BT Open Top model. Backside view