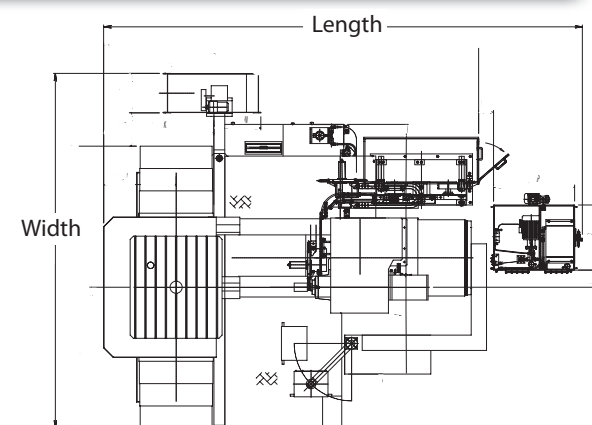
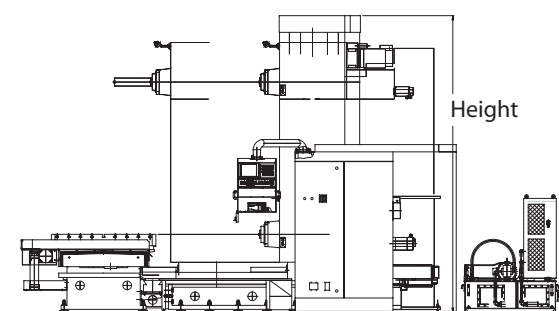


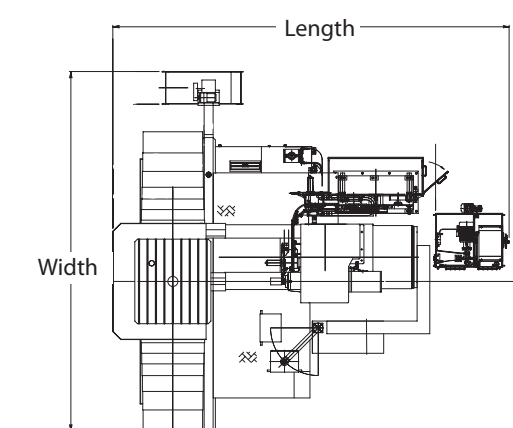
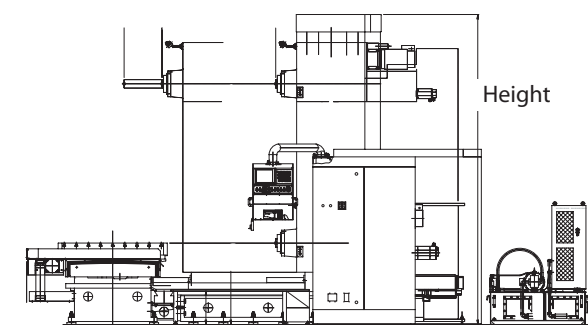
Machine Layouts

Model	Height	Length	Width	Model	Height	Length	Width
BMC-110T2	161.42"	295.27"	218.90"	BMC-110FT2	161.42"	295.27"	218.90"
BMC-110T3	161.42"	295.27"	267.91"	BMC-110FT3	161.42"	295.27"	267.91"
BMC-110T4	161.42"	295.27"	318.90"				

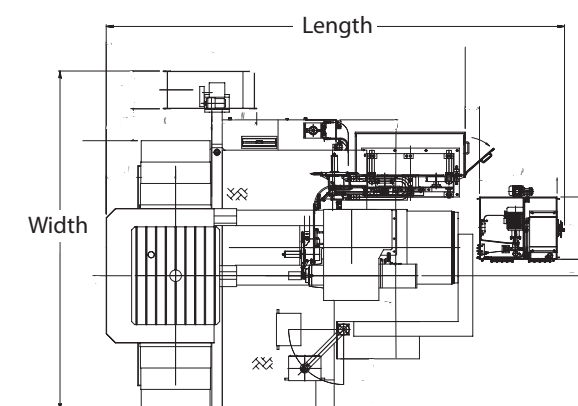
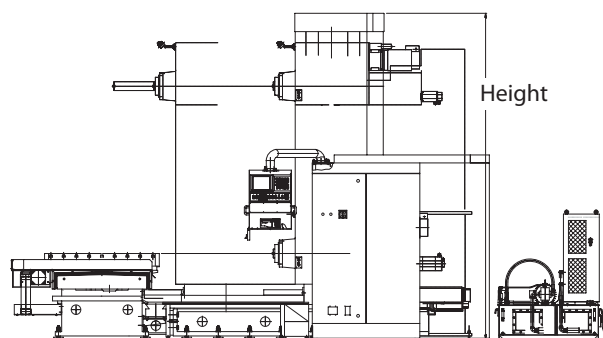
BMC-110T2



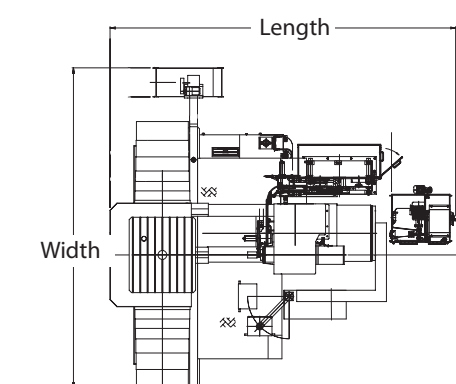
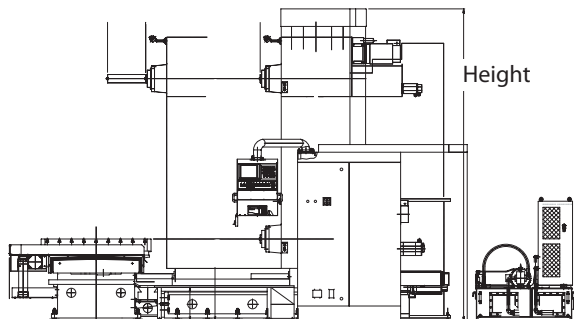
BMC-110T3, BMC-110T4



BMC-110FT2



BMC-110FT3



BMC-T Series

CNC Boring & Milling Machines



Service & Parts

Our large Service and Parts staff provide outstanding support to its distributors and customers.

FEMCO Service Engineers come equipped to get your machine up and running as soon as possible. FEMCO USA has a large well stocked parts department.

Applications

Our highly qualified Applications experts offer the following services:

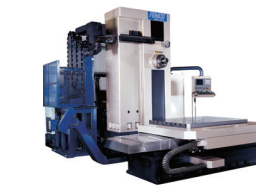
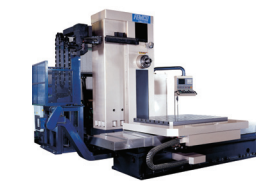
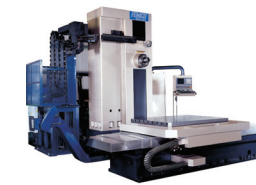
- Personnel Instruction
- Training Services
- Applications Consulting
- Turnkey and Part Processing Services



Manufacturing high quality machine tools since 1958

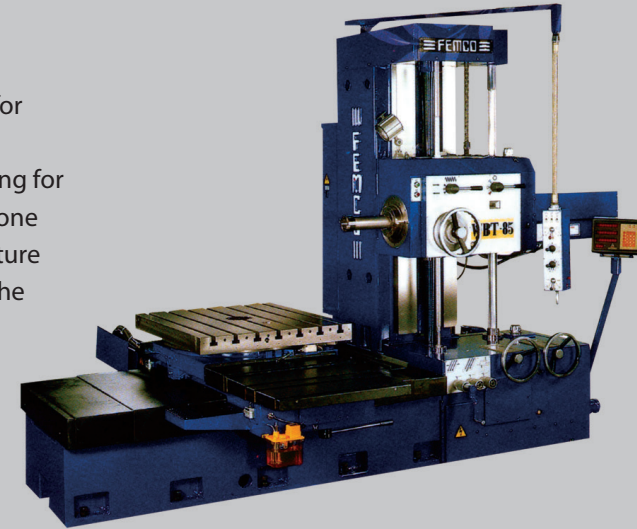


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FEMCO's First Boring Mill

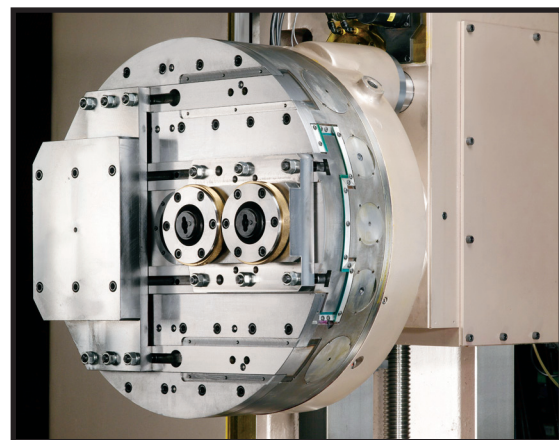
FEMCO has been manufacturing quality machine tools for over five decades. We pride ourselves in quality and our research & development department is constantly looking for ways to improve our products. In 1978, FEMCO became one of the first Taiwanese machine tool builders to manufacture boring mills. Today FEMCO boring mills are considered the world leader in quality and value.



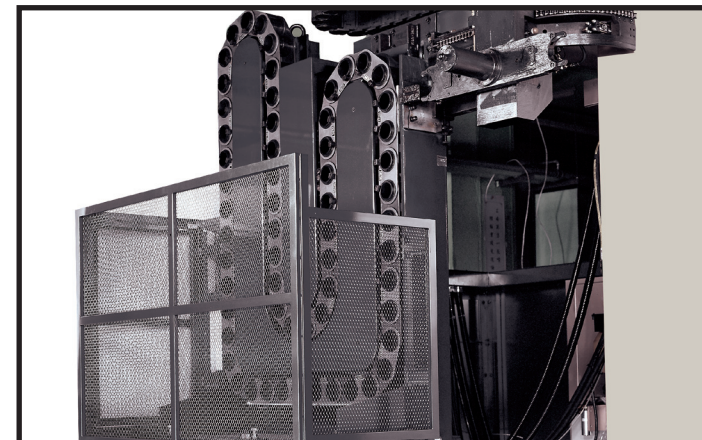
1978 FEMCO Model WBT-85 Boring Mill

BMC T-type Machine Features

- Traveling column design, work table installed on base of X axis for higher rigidity and larger loading capacity.
- Linear scales on X, Y, Z axis, forming a closed feedback system for tighter accuracies.
- 5 axis (X, Y, Z, W, B) control and simultaneous 4 axis machining.
- Universal CNC indexing table (B axis function).



Programmable U-Axis Facing and Turning Head (FT Series only)



Automatic Tool Changer

The optional ATC holds 60 or 90 tools with a twin tool arm that keeps the next tool at ready position. The easy access open-face design ensures fast loading and unloading. CAT-50 Tool holders allow for a wide range of tooling options.

Specifications

	BMC-110T2	BMC-110T3	BMC-110T4	BMC-110FT2	BMC-110FT3
Travel					
Table Cross Travel (X)	78.74" (2000mm)	118.11" (3000mm)	157.50" (4000mm)	78.74" (2000mm)	118.11" (3000mm)
Headstock Travel (Y)	82.67" (2100mm)	82.67" (2100mm)	82.67" (2100mm)	82.67" (2100mm)	82.67" (2100mm)
Table Longitudinal (Z)	59.05" (1500mm)	59.05" (1500mm)	59.05" (1500mm)	59.05" (1500mm)	59.05" (1500mm)
Table					
Size	56.69" x 62.99"	56.69" x 62.99"	56.69" x 62.99"	56.69" x 62.99"	56.69" x 62.99"
Load	17,600 lbs (8000kg)	17,600 lbs (8000kg)	17,600 lbs (8000kg)	17,600 lbs (8000kg)	17,600 lbs (8000kg)
Spindle					
Stroke (W)	19.69"	19.69"	19.69"	19.69"	19.69"
Diameter	4.33" (110mm)	4.33" (110mm)	4.33" (110mm)	4.33" (110mm)	4.33" (110mm)
Taper (w/power operated drawbar)	ISO No. 50	ISO No. 50	ISO No. 50	ISO No. 50	ISO No. 50
Toolshank	CT50	CT50	CT-50	CT-50	CT-50
Pull Stud (MASII option)	MASII 60 deg	MASII 60 deg	MASII 60 deg	MASII 60 deg	MASII 60 deg
Milling Spindle Diameter	8.86" (225mm)	8.86" (225mm)	8.86" (225mm)	8.86" (225mm)	8.86" (225mm)
Motor	30/35 hp (AC 22/26kW)	30/35 hp (AC 22/26kW)	30/35 hp (AC 22/26kW)	30/35 hp (AC 22/26kW)	30/35 hp (AC 22/26kW)
Low Speed Range	Stepless 5-454 rpm	Stepless 5-454 rpm	5 to 454 rpm	5 to 454 rpm	5 to 454 rpm
High Speed Range	Stepless 455 to 2,500 rpm	Stepless 455 to 2,500 rpm	455 to 2500 rpm	455 to 2500 rpm	455 to 2500 rpm
Automatic Tool Changer					
Tool Storage Capacity	60, 90 tools	60, 90 tools	60, 90 tools	60, 90 tools	60, 90 tools
Maximum Tool Weight	55lbs (25kg)	55lbs (25kg)	55 lbs (25kg)	55 lbs (25kg)	55 lbs (25kg)
Maximum Tool Diameter (Adjacent Pods Full)	4.9" (125mm)	4.9" (125mm)	4.72" (120mm)	4.72" (120mm)	4.72" (120mm)
Maximum Tool Diameter (Adjacent Pods Empty)	9.84" (250mm)	9.84" (250mm)	9.84" (250mm)	9.84" (250mm)	9.84" (250mm)
Maximum Tool Length	15.75" (400mm)	15.75" (400mm)	15.75" (400mm)	15.75" (400mm)	15.75" (400mm)
Tool to Tool Exchange Time	13 sec	13 sec	13 sec	13 sec	13 sec
Tool Selection Method	automatic selection	automatic selection	automatic selection	automatic selection	automatic selection
Positioning Servo Motor					
X-Axis	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)
Y-Axis	9.4hp (AC7.0kw)	9.4hp (AC7.0kw)	9.4hp (AC7.0kw)	9.4hp (AC7.0kw)	9.4hp (AC7.0kw)
Z-Axis	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)	8.0hp (AC6.0kw)
W-Axis	5.4hp (AC4.0kw)	5.4hp (AC4.0kw)	5.4hp (AC4.0kw)	5.4hp (AC4.0kw)	5.4hp (AC4.0kw)
B-Axis	5.1hp (AC3.8kw)	5.1hp (AC3.8kw)	5.1hp (AC3.8kw)	5.1hp (AC3.8kw)	5.1hp (AC3.8kw)
Control					
Positioning Accuracy X, Y, Z and W-Axis	0.001"/11.81"	0.001"/11.81"	0.001"/11.81"	0.001"/11.81"	0.001"/11.81"
Repeatability X, Y, Z and W-Axis	± 0.0004" (± 0.01mm)	± 0.0004" (± 0.01mm)	± 0.0004" (± 0.01mm)	± 0.0004" (± 0.01mm)	± 0.0004" (± 0.01mm)
Control Axis	5	5	6	6	6
Simultaneous Control Axis	4	4	4	4	4
Rapid Traverse Rate					
X, Y, Z Axis	394 ipm (12m/min)	394 ipm (12m/min)	394 ipm (12m/min)	394 ipm (12m/min)	394 ipm (12m/min)
W-Axis	157 ipm (4m/min)	157 ipm (4m/min)	157 ipm (4m/min)	157 ipm (4m/min)	157 ipm (4m/min)
Machine Weight/Dimensions					
Height	161.42"	161.42"	161.42"	161.41"	161.41"
L x W	295.27 x 218.90	295.27 x 267.91	295.27 x 318.90	295.27 x 218.90	295.27 x 267.91
Weight	52,911lbs. (24,000 kg)	52,911lbs. (24,000 kg)	52,911 lbs. (24,000 kg)	52,911 lbs. (24,000 kg)	58,423 lbs. (26,500 kg)
Facing Head					
Diameter				28.35" (720mm)	28.35" (720mm)
Slide Stroke U				9.05" (230mm)	9.05" (230mm)
Maximum Face Cutting Diameter				41.34" (1050mm)	41.34" (1050mm)
Rotation Speed				5~250 rpm	5~250 rpm
Maximum Torque				3387 FT. lbs.	3387 FT. lbs.
Slide Rapid Traverse				59"min (15m/min)	59"min (15m/min)
Power Requirements					
	220v. 3Ph. 60 cycle 100amp. 440v. Transformer on request	220v. 3Ph. 60 cycle 100amp. 440v. Transformer on request	220v. 3Ph. 60 cycle 100amp. 440v. Transformer on request	220v. 3Ph. 60 cycle 100amp. 440v. Transformer on request	220v. 3Ph. 100amp. 440v. Transformer on request

Specifications subject to change without notice