

BNM
F series

BNM F Series



Size 30

Introducing our new **Cost-Performance Series**: Mandrel-compatible and delivering the best bang for your buck!

We've significantly reduced costs by streamlining essential functions and redesigning every detail, including purchased parts, from scratch. Our machines come in four sizes (15, 30, 40, and 50), tailored to meet varying bending capacities, making it perfect for sites focused on **mass production** and **automation**.

For customers prioritizing environmental sustainability, we offer **energy-saving, hydraulic-free**, and other eco-friendly options!

Series Concepts

- Our Cost-Effective Series is ideal for users needing a mandrel device
- We've meticulously reduced costs by re-evaluating the design from scratch and focusing on essential functions
- Despite the low price, we maintain exceptional accuracy and uphold our commitment to the industry's top production speeds
- Environmentally conscious, our optional ALL-AC servo technology is available, and we proudly offer a product that is **MADE IN JAPAN**



京葉バンド株式会社
KEIYO BEND CO., LTD.

Rotary • Twin Head • CNC Pipe Bender •
CNC Transfer Pipe Bender • CNC Wire Bender

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Standard Specifications

Item	Size 15	Size 30	Size 40	Size 50	Size 60	
Model	BNM-152F	BNM-302F	BNM-402F	BNM-502F	NM-602F	
Control System	Programable Control					
Data Input System	Touch Panel					
Process and File Data	20 Processes X 90 files					
Drive System	AC Servo Motor / Hydraulic / Pneumatic					
NC Control Axis	3-axis					
Bend Direction	Horizontal – right rotation					
Max Bend OD (SPG Pipe)	ø15.8 x t2.3mm	ø31.8 x t2.3mm	ø42.7 x t3.5mm	ø50.8 x t5.0mm	ø60.5 x t5.5mm	
Max Bend Radius	R50 mm	R100 mm	R150 mm	R200 mm	R250 mm	
Max Bend Difference at Radius	25 mm	50mm	75 mm	100 mm	200 mm	
Max Bend Angle	190°					
Max Rotation Angle	±360°					
Mandrel Effective Length	1000 mm	2000 mm				
Bend	Speed	360°/sec	180°/sec	150°/sec	130°/sec	
	Machine Accuracy	±0.05				
	Drive Source	AC Servo Motor				
Feed	Speed	1500 mm/sec	1250 mm/sec		1000 mm/sec	
	Machine Accuracy	±0.05				
	Drive Source	AC Servo Motor				
Rotation	Speed	360°/sec				
	Machine Accuracy	±0.05				
	Drive Source	AC Servo Motor				
Average Pressure Use	10MPa					
Hydraulic Pump Capacity	2.2 kw	3.7 kw		5.5 kw	7.5 kw	
Oil Temp. Control Method	Air-cooling			Water-cooling		
Tank Capacity (ISO VG46)	20 L	30 L		100 L	150 L	
Max. Power Supply Capacity	100 A			120 A	125 A	
Operating Height	1080 mm	1200 mm		1250 mm	1350 mm	
Machine Dimensions (WxDxH)	1000x2200x1350mm	1200x3150x1350mm	1370x3295x1375mm	1530x3800x1250mm	1950x4145x1250mm	
Machine Weight	800 kgf	1500kgf	2000kgf	3500kgf	4500kgf	

Standard Options

Item	Available	Item	Available
Mandrel Unit	<input type="radio"/>	Left/Right Rotating AC Servo	<input type="radio"/>
Wiper Die Unit	<input type="radio"/>	Clamp AC Servo	<input type="radio"/>
Stay (Tension Bar)	<input type="radio"/>	Chuck AC Servo	<input type="radio"/>
Pressure AC Servo	<input type="radio"/>	Pipe Support AC Servo	<input type="radio"/>
Pressure Booster AC Servo	<input type="radio"/>		

[Disclaimer] Specifications may change without notice due to the continuous advancement of technology.

External Dimensions

