

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	100°/sec
	Machine Accuracy	±0.05				
	Drive Source	AC Servo Motor				
Feed	Speed	1500 mm/sec	1250 mm/sec		1000 mm/sec	900 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	1200×3150×1350mm	1370×3295×1375mm	1530×3800×1250mm	1950×4145×1250mm
Machine Weight		800 kgf	1500kgf	2000kgf	3500kgf	4500kgf

■ Standard Options

Item	Available	Item	Available
Mandrel Unit	○	Left/Right Rotating AC Servo	○
Wiper Die Unit	○	Clamp AC Servo	○
Stay (Tension Bar)	○	Chuck AC Servo	○
Pressure AC Servo	○	Pipe Support AC Servo	○
Pressure Booster AC Servo	○		

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

■ External Dimensions

