

BNC
F series

BNC F Series



Size 30

Introducing our new **Cost-Performance Series**:
thoroughly engineered with insights directly from the field!

We've significantly reduced costs by streamlining essential functions and redesigning every detail, including purchased parts, from scratch. Our machines come in four types (15 mm, 30 mm, 40 mm, and 50 mm), 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

- 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**



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

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BNC F Series

Standard Specifications

Item	Size 15	Size 30	Size 40	Size 50
Model	BNC-152F	BNC-302F	BNC-402F	BNC-502F
Control System	Programable Control			
Data Input System	Touch Panel			
Production Data	20 programs 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 t2.3 mm	ø31.8 x t2.3 mm	ø42.7 x t3.5 mm	ø50.8 x t5.0 mm
Max Bend Radius	R50 mm	R100 mm	R150 mm	R200 mm
Max Radius Difference	25 mm	50mm	75 mm	100 mm
Max Bend Angle	190°			
Max Rotation Angle	±360°			
Tube Length with Mandrel	1000 mm	2000 mm		
Bend	Speed	360°/sec	180°/sec	164°/sec
	Repeatability/Accuracy	±0.05		
	Drive Source	AC Servo Motor		
Feed	Speed	1500 mm/sec	1250 mm/sec	1000 mm/sec
	Repeatability/Accuracy	±0.05		
	Drive Source	AC Servo Motor		
Rotation	Speed	360°/sec		
	Repeatability/Accuracy	±0.05		
	Drive Source	AC Servo Motor		
Average Pressure Use	10MPa			
Hydraulic Pump Capacity	2.2 kw	3.7 kw	5.5 kw	
Oil Temperature Control Method	Air-cooling			Water-cooling
Tank Capacity (ISO VG46)	20 L	30 L	100 L	
Max. Power Supply Capacity	75 A	100 A	120 A	
Operating Height	1080 mm	1200 mm	1250 mm	
Machine Dimensions (WxDxH)	1000x2050x1350 mm	1100x3150x1350 mm	1370x3300x1375 mm	1580x3800x1250 mm
Machine Weight	800 kgf	1500 kgf	2000 kgf	3500 kgf

Standard Options

Item	Available	Item	Available
Mandrel Unit	×	Left/Right Rotating AC Servo	○
Wiper Die Unit	△	Clamp AC Servo	○
Pressure AC Servo	○	Chuck AC Servo	○
Pressure Booster AC Servo	○	Pipe Support AC Servo	○

[Disclaimer] Specifications may change without notice due to the continuous advancement of technology.
* For more specifications and options please contact our sales representative.

External Dimensions

