



Size 40

Keiyo Bend's Standard Series

Discover the power and precision of Keiyo Bend's Standard Series, your all-in-one solution for complex pipe bending. This unit effortlessly handles angled, elliptical, and irregular pipes, excelling in combined radius bending—both small and large — highlighting our company's expertise.

Our flagship KBC series has earned a reputation as a trusted favorite over the years. The F Series has evolved into a powerhouse, blending functionality and durability with the industry's fastest speeds, unmatched strength, and cutting-edge control technology—all perfected through continuous improvement.

Experience the next level of bending technology with Keiyo Bend. From profile bending to controlled bending, our machines are designed for precision, ease of use, and to meet the demands of small-lot, multi-variety production.

Series Concepts

- Speed** ➔ Keiyo Bend delivers the industry's fastest production speeds in bending, feeding, and rotating.
- Strength** ➔ Built to withstand the high-tensile demands of today's steel industry with exceptional durability.
- Precision** ➔ Featuring a synchronized servo series, our machines offer unparalleled precision in movement.



京葉ベンド株式会社
KEIYO BEND CO., LTD.

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

<http://www.keiyo-bend.co.jp>

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Specifications

Item		Size 15	Size 30	Size 40	Size 50
Model		KBC-152F	KBC-302F	KBC-402F	KBC-502F
Control System		Programmable Controls			
Data Input System		Touch Panel			
Production Data		20 Programs x 90 Files			
Drive System		AC Servo Motor / Hydraulic / Pneumatic			
NC Control Axis		4-Axis (with Mandrel Unit: 5-axis)			
Bend Direction (Standard)		Horizontal - Right Rotation			
Max Bend OD (SPG Pipe)		φ15 × t 1.6mm	φ31.8 × t2.3 mm	φ 42.7 × t3.5 mm	φ 50.8 × t5.0 mm
Max Bend Radius		R50 mm	R100 mm	R150 mm	R200 mm
Max Bend Radius Difference		50 mm	100 mm	150 mm	200 mm
Max Bend Angle		200°			190°
Max Rotation Angle		±360°			
Max Tube Length with Mandrel		1500 mm	2000 mm		
Bend	Speed	360°/sec	225°/sec		164°/sec
	Machine Accuracy	±0.05°			
	Drive Source	AC Servo Motor			
Feed	Speed	1500 mm/sec	1270 mm/sec		
	Machine Accuracy	±0.05 mm			
	Drive Source	AC Servo Motor			
Rotation	Speed	360°/sec			
	Machine Accuracy	±0.05°			
	Drive Source	AC Servo Motor			
Operating Pressure		10 MPa			
Hydraulic Pump Motor		2.2 kw	3.7 kw	7.5 kw	
Oil Temperature Control Method (Standard)		Air-cooling			
Tank Capacity (ISO VG46)		20 L	90 L		120 L
Max. Power Supply Capacity		100 A			125 A
Operating Height		1080 mm	1200 mm		1350 mm
Machine Dimensions (WxDxH)		1200×2800×1300 mm	1200×3500×1350 mm	1100×3850×1550 mm	1500×4150×1680 mm
Machine Weight		800 kgf	2000 kgf	2700 kgf	3500 kgf

[Disclaimer] Specifications may change without notice due to continuous improvements in design and technology.

Options

Item	Availability	Item	Availability
Mandrel Unit	○	Pressure Boost AC Servo	○
Stay (Tension Bar)	○	AC Servo Clamp	○
Wiper Die Unit	○	AC Servo Chuck Die	○
Large Radius Bending Specification (Combined Bending)	○ (not available for size 15)	Horizontal Rotation AC Servo	○
Back Boost Device	○	Vertical Rotation AC Servo	○
Pressure AC Servo	○	Pipe Support AC Servo	○

*For more specifications and options please contact our sales representative.

External Dimensions

