



Size 100

## 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 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.



京葉バンド株式会社  
KEIYO BEND CO., LTD.

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

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

#### Head Office & Factory

4-7-12 Osu, Ichikawa-shi, Chiba, 272-0032

#### Aichi Office (Nagoya)

7-1-104 Gohanda, Miai-cho, Okazaki, Aichi 444-0802 / TEL. +81-564-64-7993

#### USA Office

Keiyo USA co. / E-mail: [info@keiyobend.com](mailto:info@keiyobend.com)

#### SAEIL TRADING KOREA

SEONGNAM-SI, GYEONGGI-DO / TEL. +82-31713-8098

#### (Indonesia) PT. NARAJS INTI GANDA

Lippo Cikarang-Bekasi, Jawa Barat / TEL. +62-21-82-8990-4080

■ **Standard Specifications**

Item	Size 60	Size 80	Size 100	Size 120	
Model	KBC-602F	KBC-802F	KBC-1002F	KBC-1202F	
Control System	Programmable Controls				
Data Input System	Touch Panel				
Processing Data	20 Ch. 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)	φ60.5×t5.5 mm	φ80× t 4.5 mm	φ101.6× t 4.5 mm	φ127.× t 5.0 mm	
Max Bend Radius	R250 mm	R300 mm	R400 mm	R550 mm	
Max Bend Radius Difference	250 mm	180 mm	150 mm	300 mm	
Max Bend Angle	190°			180°	
Max Rotation Angle	±360°				
Max Tube Length with Mandrel	2000 mm	3000 mm			
Bend	Speed	100°/sec	54°/sec	49°/sec	26°/sec
	Machine Accuracy	±0.05°			±0.1°
	Drive Source	AC Servo Motor	Hydraulic Cylinder		
Feed	Speed	1000 mm/sec		300 mm/sec	
	Machine Accuracy	±0.05 mm		±0.1 mm	
	Drive Source	AC Servo Motor			
Rotation	Speed	360°/sec	180°/sec		
	Machine Accuracy	±0.05°			
	Drive Source	AC Servo Motor			
Operating Pressure	10 MPa				
Hydraulic Pump Motor	15 kw	18.5 kw	22 kw		
Oil Temperature Control Method	Water-cooling				
Tank Capacity (ISO VG46)	150 L	300 L	400 L	300 L	
Max. Power Supply Capacity	125 A	150 A		350 A	
Operating Height	1350 mm			1400 mm	
Machine Dimensions (WxDxH)	1850×4650×1500 mm	1800×6500×2300 mm	2500×7450×2240 mm	2500×8500×2500 mm	
Machine Weight	4900 kgf	5600 kgf	10000 kgf	12000 kgf	

【Disclaimer】 Specifications may change without notice due to continuous improvements in design and technology.

■ **Standard Options**

Item	Size 60	Size 80	Size 100	Size 120
Mandrel Unit	Standard Equipment			
Stay (Tension Bar)	Standard Equipment			
Wiper Die Unit	○			
Large Radius Bending Specification (Combined Bending)	○			
Back Boost Device	○			
Pressure AC Servo	○	△	×	
Pressure Boost AC Servo	○	△	×	
AC Servo Clamp	○	△	×	
AC Servo Chuck Die	○	△	×	
Horizontal Rotation AC Servo	○			
Vertical Rotation AC Servo	○			
Pipe Support AC Servo	○			

For more specifications and options please contact our sales representative.

■ **External Dimensions**

