

MAC
series

MAC-302F



3D CNC Twin Head Bender – Size 30

Introducing the latest model of Japan's exclusive 3D Twin Head pipe bender

KEIYO's long-standing MAC series has undergone a significant model upgrade. The new design features dual independent press-bending units, enabling precise left and right bending of pipes over 3 meters without swing. Ideal for **hydraulic piping, steel furniture, and long pipe products**, this **space-saving** machine delivers **high-speed, efficient performance**.

Series Concepts

- AC servo motor now drives the bending process for enhanced performance!
- Utilizes **two independently moving bending units** for versatile operation.
- Delivers up to twice the processing speed.
- The 3D Twin Head Bender supports a **minimum distance of 200 mm** between the centerline of 2 main bending heads.
- AC servo series with synchronous control **optimizes machine performance** and enhances takt time.
- Features an interactive data input system for improved operator usability.



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

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■ Standard Specifications

Items		Specification
Model		MAC-302F
Control System		Programmable Control
Data Input		Touch Panel
Production Data		20ch Σ 90Files
Drive System		AC Servo Motor / Hydraulic / Pneumatic
NC Axis		6-Axis
Max Bend OD		ϕ 31.8 Σ t2.3 mm
Max Bend Radius		R150 mm
Max Radius Difference		30 mm
Max Bend Angle		120°
Max Rotation Angle		185°
Distance between Bending Units		200 - 1500 mm
Bend	Speed	180°/sec
	Machine Accuracy	\pm 0.1°
	Drive Source	AC Servo Motor
Feed	Speed	1250 mm/sec
	Machine Accuracy	\pm 0.1 mm
	Drive Source	AC Servo Motor
Rotation	Speed	500°/sec
	Machine Accuracy	\pm 0.1°
	Drive Source	AC Servo Motor
Lifter	Speed	1600 mm/sec
	Machine Accuracy	\pm 0.1°
	Drive Source	AC Servo Motor
Operating Pressure		10 MPa
Hydraulic Pump Capacity		3.7 kw
Hydraulic Temperature Control		Air-cooling
Tank Capacity		46-40 L
Power Supply Capacity		100 A
Production Height		1100 mm
Machine Dimensions (WxDxH)		1900 Σ 3150 Σ 1750 mm
Machine Weight		2000 kgf

■ Standard Options

Item	Availability
NC Butt Unit	○

■ External Dimensions

