

# CNC Straightening Machine



## KEIYO BEND delivers advanced CNC straightening technology, designed for precision and efficiency.

We've re-engineered the conventional straightening machine—traditionally produced through separate processes—into a fully integrated system. This cutting-edge design features closed-loop control with an external encoder, ensuring highly precise NC feeding and improved operational precision.

### Machine Features

- Capable of straightening materials ranging from  $\phi 4$  to  $\phi 8$ .
- Selectable straightening methods: rotary or roller type.
- Fully closed-loop control with an external encoder.
- Numerical control of material length minimizes setup time.
- Standard alternating production for automated, unmanned operation through system integration.
- Operator-centric monitor screen displaying essential information, including production numbers, takt time, and work completion intervals, reflecting real-time feedback from the shop floor.



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

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## ■ Straightening Machine Specifications

Item		Standard Specifications
Control System		Programmable Controller
Data Input System		Touch Panel
Production Data		Customer Specific
Alternating Production Function		Standard Equipment
Drive System		AC Servo Motor
NC Control Axis		2-axis (Max 4-axis)
Cut	Cut Drive System	Shear Cutting
	Drive Source	AC Servo Motor
Feed System		Pinch Roller
Feed	Speed	1000 mm/sec
	Machine Accuracy	±0.05mm
	Drive	AC Servo Motor
Straightening method (Selectable)		Roller      Rotary
Operating Air Pressure		0.4 MP
Max. Power Supply Capacity		75 A
Operating Height		1200 mm
Machine Dimensions (WxDxH)		1000×2500×1630 mm
Machine Weight		800 kgf

## ■ Uncoiler Specifications

Item	Standard Specifications
Coil Weight	1 ton
Coil O.D.	800 mm
Drive Source	General-purpose Motor (with break)
Control System	Inverter Control

## ■ External Dimensions

