
AAA 株式会社 相澤鐵工所
AIZAWA TEKKOSHO LTD.

ISO9001 Certificate(#JQA-QM5477)



Full-Servo Bender AVP-206 is the brand new CNC Press Brake from AIZAWA. Features include all-electric operation, high-speed ram, **ultra high precision**, and a highly responsive programming interface.

All-Electric CNC Press Brake:
Full-Servo Bender AVP-206



Network ready MS Windows-NT™ based PC-CNC and easy to use LCD touch screen:

- Color LCD touch screen with “pop-up” keypad makes operation and programming fast and easy.
- Up to 3400 bends can be stored in the controller memory (more available on demand).
- Pre-run simulation detects potential tool collisions (graphic mode only).
- Create your own material database to permit more accurate “first-off” parts.
- Production data such as part cycle time, total production time, number of products, and setup time are automatically recorded for each job.
- 3 modes of programming include teach, angle, and full graphic mode.

Accurate ram positioning control by closed-loop servo system:

- The ram is driven by a 7.5KW AC-Servo motor through an 85mm ball-screw.
- Feedback is provided by a precision linear scale mounted on a bracket independent of the machine frame effectively isolating the scale from any frame flexure.

High Speed 3-Axis control:

- The 3 axes consist of (Y) ram up-down motion, (X) back gauge positioning, and (R) back gauge height.
- Ram approach speed is 0.06 - 5.9 inch/sec (1.5 - 150 mm/sec) and back gauge traveling speed is 980 ft/min (30 m/min).
- These are the fastest displacement speeds in its class.

Flexible bending capability:

- Tonnage is 22 US ton (20 ton) and bend length is 23.6 inch (600 mm).
- Large open height of 15.74 inch (400 mm) and ram stroke of 6.1 inch (155 mm).
- **Standard European-style tool holders with optional US-style or Universal holders give you maximum flexibility in configuration.**
- **A crowning device is provided in the lower table to compensate for center flexure.**

Specifications:

Tonnage	22 US ton	20 ton
Bend length	23.6 inch	600 mm
Open height	15.74 inch	400 mm
Ram stroke	6.1 inch	155 mm
Ram approach speed	0.06 - 5.9 inch/sec	1.5 - 150 mm/sec
Bend speed	0.004 - 0.4 inch sec	0.1 - 10 mm/sec
Frame gap	11.8 inch	300 mm
Main motor	7.5 KW	
Back gauge motor	0.4 KW x 2 (X & R)	
Unit of depth control	0.000039 inch	0.001 mm
Back gauge speed	980 ft/min	30 m/min
Back gauge travel (X)	0.2 - 13.8 inch	5 - 350 mm
Back gauge lift (R)	2.56 - 6.50 inch	65 - 165 mm
Machine weight	4200 lbs	1900 kg
CNC controller	MS Windows 2000 PC-CNC	
Control panel	TFT color LCD 10.4" touch panel	
Control axis	3 axes (X, Y, R)	
Memory	200 jobs x 17 Bends	