

# SOLUTION

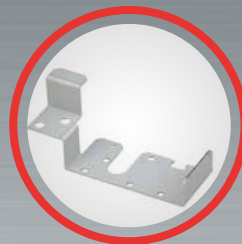
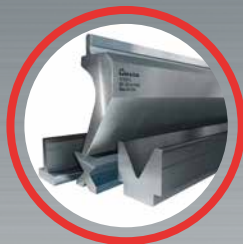
BENDING



## HFE *T* 1003



UNIVERSAL PRESS BRAKE



**AMADA**

# HFE T2 1003

UNIVERSAL PRESS BRAKE

## QUALITY BENDING MADE EASY

Simple and easy to use, AMADA's HFE T2 brings together the necessary functions for quality bending. With a capacity of 1,000 kN and a bending length of 3 metres, it makes a truly universal machine that meets all requirements for modern applications.

Additional features give more flexibility: manual fingers can be added to the back gauge, and the manual hand wheel can be used to adjust all the axes.

The HFE T2 is the result of AMADA's experience developed over 50 years.



Photograph may include optional equipment

## OPTIONS

### MANUAL CLAMPS SGRIP / SGRIP DUO



Possible to install side-by-side with a front operated clamping lever. A mechanical groove prevents tools dropping. Dial adjustable wedge mechanism.

### HAND WHEEL



Manual adjustments of all axes are easily achieved with the hand wheel.

### DIGIPRO



This electronic device uses wireless technology to transmit the measured angle to the NC. The program automatically provides a precise bend angle.

# MAIN FUNCTIONS

## 1 EASE OF USE

### NUMERICAL CONTROL

AMADA's graphical AB Pad numerical control with a 10.4" touch screen is extremely easy to use. It allows creation of new bending data quickly with 3 programming modes:

- angle mode for creating simple programmes;
- graphic mode to create more complex parts, check their feasibility and measure the finished parts;
- manual mode allowing manipulation of all machine axes for layout-based bending.

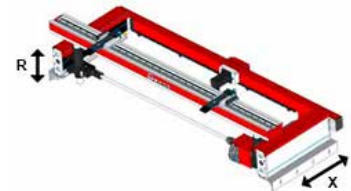


## 2 ROBUST AND ACCURATE

### 2-AXIS BACK GAUGE

The back gauge is an essential component that helps achieve optimal bending results.

The 2 axes (X, R) are driven by two induction motors and guided by ground ball screws guaranteeing accuracy and long life.

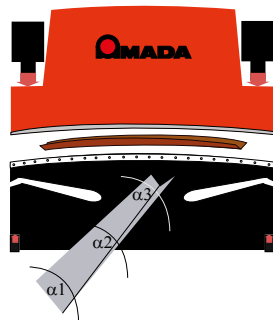


With an X axis stroke of 550 mm and an R axis stroke of 150 mm, it combines performance and comfortable handling. Fastened to the side frames, it offers exceptional clearance opportunities within the machine.

## 3 CONSISTENCY OF BENDING

### INSTANT REACTIVE BEAM

As standard, the HFE T2 makes no concessions to bending quality. The use of a "reactive" beam allows parallel deformation of the upper and lower beams under pressure. This technology guarantees bending angle consistency, regardless of the material, the thickness or the length of the workpiece.



## 4 HIGH BENDING QUALITY AND CAPABILITIES

### MACHINE DESIGN

The accuracy of the upper beam is ensured using two linear scales. The open height of 470 mm between the upper and lower beams allows the creation of deep boxes and the easy release of complex parts.

The machine side frames have a large throat depth of 420 mm which allows bending of large panels over their entire length.



### SAFETY: EC COMPLIANT

AMADA press brakes are fitted with dual controls with 1 opening pedal and 1 closing pedal with 3 positions.

The AKAS LC-2 with manual adjustment option is a laser beam protection solution. Safe for the operator, it increases the approach speed of the upper beam and increases the productivity of the machine.

### ADDITIONAL BACK GAUGE FINGERS



Manual fingers can be added to the back gauge for reliable gauging of long parts.

### ADDITIONAL FOOT PEDAL



Ergonomic solution for multi station set-up and two operator bending activity.

### LED LIGHT (REAR)



An LED light is installed to the rear side of the upper beam to increase operator visibility.

## MACHINE DIMENSIONS

Units: mm

HFE-1003T2  
(L) 4380 x (W) 2430 x (H) 2680



## MACHINE SPECIFICATIONS

HFE-1003T2		
Bending capacity	kN	1000
Beam length	mm	3110
Distance between frames	mm	2700
Throat depth	mm	400
Open height	mm	470
Upper beam stroke	mm	200
Working height	mm	960
Power consumption	kW	10.5
Approach speed (without additional protection)	mm/s	10
Approach speed (with additional protection option)	mm/s	100
Bending speed	mm/s	10
Return speed	mm/s	100
Minimum increment	mm	±0.01
Positioning accuracy	mm	±0.01
Machine mass by SI unit	kg	6100

## BACK GAUGE SPECIFICATIONS

2-AXIS BACK GAUGE				
		X axis	R axis	Z axis
Operating stroke	mm	550	150	2335
Speed	mm/s	250	85	Manual
Accuracy	mm	±0.1	± 0.2	Manual

The specifications, appearance and equipment are subject to change without notice due to improvement.



**For Your Safety**

Please read the user manual before use. Before using this machine, please familiarise yourself with the risks.

The use of this product requires appropriate risk prevention measures depending on the type of work to be performed. The safety devices recommended by AMADA are supplied as standard for proper use with regard to EC conformity.

The official name of the machine described in this brochure is HFET2. Please use this reference when contacting authorities to apply for financing, installation or exporting. The machine name may contain a hyphen for easier reading. Safety devices have been removed in some photos used in this brochure.

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