

# NC - E CONTROL EXPERT



## FUNCTIONAL SPECIFICATIONS

NC-E means Computerized Numerical Control EXPERT.

Thanks to its small size, modern technology and cost, it was possible to obtain a reliable, powerful and economical product. The non mandrel bending machine MACKMA is equipped with this control and allows to realize any geometric curve both to Right and Left bends (Mackma patent)

Thanks to NC-E Control the machine perform in semiautomatic way any program, simply by setting radius and degrees and tenth of degree, of each bend of project to be realized.

The internal memory can realize up to 9 (nine) bends programmable to both direction Right and Left per 99 pages.

The NC-E Control has also a variable speed of +/- 20% for the rotation of bend axis.

This control is designed and programmed thanks to specifications of MACKMAS Technical, to meet the needs of all workers who use repetitive the same bending radius.

The EXPERT as its name implies, is the most completely control, even for the specialist of those sector.

## TECHNICAL FEATURES

The NC-E is made of 32-bit microprocessor.

All input and output signals are isolated and protected by disturbances from cable or wireless. The keyboard is a multi-function keys, with INTUITIVE symbology, and does not need Multilingual translation. All buttons are mechanical and protected by a single polycarbonate membrane, suitable to work in any industria environment. The display of setted and running values and is possible through a liquid crystal display (LCD) backlight, which allows a good reading from any angle and with any type of light.

The NC-S (Simply) has 9 (nine) program lines, the operator can choose which line to use the program, as standards are already preset values, starting from the 15th degrees and continue from 15° to 15° until you get to the line # 9 with 135° setted, but each program line can be changed as operator required. There are 99 pages at all and 891 bends inside memory. You can also set the bending direction - Right or Left according to the needs of the piece to be realized.

Each control can be connected to the foot pedal (optional) those electric circuit is already wired and can be accept without further technical interventions. (Plug and Play)

Any MACKMA bending machine is subjected to be tested before shipment. This operation is considered very important to give the Customer the highest satisfaction and a reliable product of high quality.

Our technicians are at your disposal to advise the most suitable model. Various accessories are available to make the machine more suitable to your needs and the types of profile you need to work. Do not forget to communicate always, the bending size of tube, the type of material and the bending radius. All bending machines of "MACKMA" conform to the provisions of "Equipment".

# NC- E

Numerical control  
For Mackma  
Bending Machine

Presetting  
of bending radius

Internal Memory  
for programs  
saving

Internal Memory  
for programs  
saving of **891 programs**

