



The new generation of controls has adopted the touch screen as best solution for an intuitive and interactive programming

ROCK12+ use a modern wide screen LCD with an accurate capacitive touch panel and a modern motherboard.

Easy to handle, intuitive and practical

The friendly designed user interfaces and the intuitive operability of our touch panels ensure simple and rapid programming of products and quick access to programs secured in the memory.

Successfully controlling precision and productivity

Nowadays, modern sheet metal production is inconceivable without high-performance software and professional user-interface. Highly effective control algorithms optimize the machine cycle and reduce the time required for set-up. More components are produced and more orders are executed per unit of time, thus lowering the costs. .

AN EXPERT AT YOUR SIDE

ROCK12+ software offers 2D programming that includes automatic bend sequence calculation, collision detection and also 3D visualization, in production, for programs created by the IDEA^{PC} offline software.

SA12+ features:

- Multistation support, tools editor and archive.
- *Quick Editor* function to create quickly 2D parts
- Automatic search of the best bend sequence
- 3D visualization in production
- Tool navigator for a quick tooling up
- Quick and fine tuning set-up of the machine thanks to direct access to parameters and special function like realtime monitor and oscilloscope.
- TeamViewer for Remote assistance
- Scheduled Maintenance Management for a machine always efficient
- Video and Webcam support
- Linux OS

TECHNICAL SPECIFICATIONS

Supply: 24Vdc

Power: 15W (3A - 5Vdc)

Cpu card: Intel module, low power consumption, Quad Core 1.6GHz **RAM** DDR3 2Gb

Monitor: Colours LCD TFT 11", Capacitive Touch-screen.

Flash Disk: Internal flash memory 32Gb

USB: 4 ports 2.0 , 1 port 3.0 OTG

Ports : HDMI, CSI, DSI

Net Card: 1 Gb Ethernet RJ45

PANEL VERSION **Dimensions (mm):** 320 x 260 x 60

Weight: 2 Kg

BOX VERSION **Dimensions (mm):** 480 x 360 x 100

Weight: 9 Kg

MOTION All Under Control



3

4

4+

Motion is the modular units that **STEP** designed to interface and control all types of Press brakes: **hydraulics**, **electrical** and **hybrids**. It's equipped with a PLC logic with a lot of Inputs/outputs. The numerical control, connected through Can Bus or USB Interface to one or more **Motion** modules, is able to completely manage the machine.

- **Motion3** is the **compact module** able to drive up to 3 axes.
- **Motion4** is the **standard module** able to drive 4 axes.
- **Motion4+** is the **All in One solution** which **includes the digital amplifier board for the direct interface of the proportional valves**.

	Motion3	Motion4 / Motion4+
Serials	n° 1 USB + n° 1 Canbus	n° 1 USB + n° 1 Canbus
Digital Inputs/Outputs	12 inputs 24Vdc - 12 outputs 24Vdc	24 inputs 24Vdc - 24 outputs 24Vdc
Encoders Interface	3 inputs for Incremental encoders (+5Vdc)	4 inputs for Incremental encoders (+5Vdc)
Analogical Inputs/Outputs	3 analog inputs ±10V 3 analog output ±10V to control 3 axes	4 analog inputs ±10V 4 analog output ±10V to control 4 axes
Pressure / Crowning controls	2 analog outputs (0-10) V	2 current outputs 0÷4A (standard 2A) 2 analog outputs (0-10) V
Valves Interface (only Motion4+)	-	Double Valves connections for Y1 and Y2 LVDT feedback interface
Dimensions (HxWxD)	270 x 27 x 100 mm	270 x 50 x 100 mm