

RK/ROCK¹²⁺

EASY SOLUTION



RK12+



ROCK12+



ROCK/RK12 use a modern wide screen LCD with an accurate capacitive touch panel. Available with Easy software for conventional press brakes or 3D Profile software for advanced user.

Easy and fast

EASY software offers a fast programming of the bend steps, through an easy editing of the bends data. In few steps all is ready for production. Available different options to interface conventional press brakes like RG type, Torsion bars, basic electrical or hydraulic models.

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

ROCK/RK12+ is available also with **3D Profile software** that includes profile drawing (normal bend, curve, hamming) and then provide 3D automatic bend sequence calculation, collision detection and 3D visualization, in production.



Features

- Easy Bend programming table
- Home page like integrated environment for programming and production
- Multistation support, tools editor and archive
- Tools creation from models
- 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
- Linux OS

Technical specification

CPU card	ITX module, low power consumption, Quad Core Intel 2,3GHz
RAM	DDR3 4Gb
Supply	24Vdc
Monitor	Colours LCD TFT, Capacitive Touch-screen
Hard Disk	eMMC 32Gb
USB	4 ports 3.0
Net Card	2 Gigabit Ethernet RJ-45
Power	20W (0.8A - 24Vdc)
RK Dimensions	320x260x60 mm
RK Weight	3 Kg

Software Levels

Easy	Simple table programming
3D Profile	2D profiles editor with 3D simulation

Model	Software	Standard axes
RK12/ROCK12	Easy	4
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Motion



3 4 4+

Motion is the modular units that STEP designed to interface and control all types of press brakes: hydraulics, electrical and hybrids.

Everything under control

It's equipped with a PLC logic with a lot of inputs/outputs. The numerical control, connected through Can Bus 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	2 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

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