

RK/ROCK¹⁵+

EXPERT SOLUTION



RK15+



ROCK15+



FOR BENDING APPLICATIONS

ROCK/RK15 SLIM use a modern wide screen LCD 15,6" with an accurate capacitive touch panel and a powerful motherboard with double LAN. It offers different software levels to meet all the demands of bending.

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

ROCK/RK15+ software offers new **3D Profile programming** that includes profile drawing (normal bend, curve, hamming) and then provide 3D automatic bend sequence calculation, collision detection and 3D visualization, in production. Available also the **Standard 3D programming**, that includes editor for profiles and boxes, DXF parts import and that provide 3D automatic bend sequence calculation, collision detection and 3D visualization in production.



Features

- **INDUSTRY 4.0 READY**
- **Production management and scheduling**
- **Quick Editor** function to create quickly 2D parts
- 3D Simulation with automatic best bend sequence identification with collision detection
- 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
- 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	24W (1A - 24Vdc)
RK Dimensions	445x340x45 mm
RK Weight	4.5 Kg

Software Levels

3D Profile	2D profiles editor with 3D simulation
Standard 3D	3D editor and simulation, DXF parts import

Model	Software	Standard axes
RK15/ROCK15	3D Profile	8
RK15+/ROCK15+	Standard 3D	8



Motion



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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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