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**MORGAN RUSHWORTH ESR 4200.15 CNC FOLDING MACHINE 415V**

The Morgan Rushworth ESR range of CNC folders are designed to produce fast, accurate and consistent folded parts. Available from 1.5M to 4.2M bending lengths, all models are supplied with a 1M powered back gauge, with optional longer backguges including U and L shaped configurations. The backgauge is integral to the rear support table, which is ideal for the folding of large sheets as the weight of the material is supported, resulting in a traditionally two operator job, being able to be performed with just one.

The advanced 2D touch screen CNC, controls all upper beam clamping, folding beam and back gauge movements, with programming carried on the machine or on office PC. Once the operator has drawn the job onto the screen, entered the angles and dimensions, selected the tooling from the library, the CNC then firstly calculates whether the job is possible or not, the developed length and the bending sequence including whether to turn material over or around. All ESR models are supplied with a straight rail with optional high divided tools for the production of box and panel type operations.

## FEATURES

- Bending angle from 0 – 150 degrees
- 20 degree 1mm sharp nose clamping beam rail with 25mm clearance
- 10mm and 25mm wide folding beam rails
- Fast 1 metre powered backgauge integral to rear table with roller balls
- Flat lower beam with feather style backgauge fingers
- 15.6" 2D touch screen control on swinging arm for front and rear operation
- High speed and high pressure clamping
- Virtually no marking on material
- Safe edge can be achieved without tool change
- Very quiet with low energy consumption as motors only run when machine is working
- Manual folding beam adjustment
- Manual crowning system
- Front light guards barriers for use with rear operation

## OPTIONS

- 3D CNC touch screen controller
- Longer length back gauges with U and L shape configurations
- Squaring arm for rear backgauge table
- Stainless steel backgauge table
- Brush table to protect material
- 60mm, 90mm and 120mm high divided tooling with 30 degree feet and 25mm clearance According to model
- Motorised folding beam adjustment
- Manual crowning system

## TECHNICAL INFORMATION

Model		ESR 4200.15
Bending Width	mm	4200
Bending Thickness - Mild Steel	mm	1.5
Bending Thickness - Stainless Stainless	mm	1.0
Bending Thickness - Aluminium	mm	2.0
Clamping Beam Axis Speed	mm/sec	60
Folding Beam Axis Speed	mm/sec	85
Back Gauge Axis Speed	mm/sec	200
Clamping Beam Motor	kW	1.5
Folding Beam Motor	kW	3.0
Back Gauge Motor	kW	0.4
Width	mm	5750
Length	mm	2300
Height	mm	2100
Weight	kg	5250

OTHER IMAGES

