

UpDownCenter



- Cutting
- Bending
- Forming

UpDownCenter

Load and off you go!

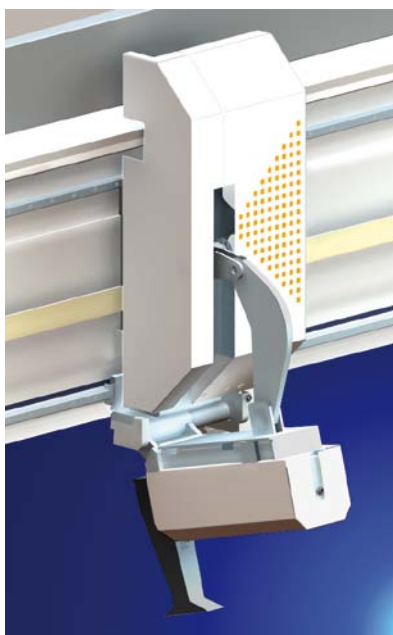
The UpDownCenter is the perfect solution for bending panels and boxes up to 3200 mm (126") in length, 3 mm (11 Ga) thickness and 250 mm (10") box height.

Load and off you go! The operator squares the blank against stops then suction cups of the PosLift gauging system take over the part and position the workpiece for each bend. The UpDownCenter folds the part up and down. No flipping! No troublesome handling! The UpDownCenter automatically completes one side before the operator turns the blank to the next side.

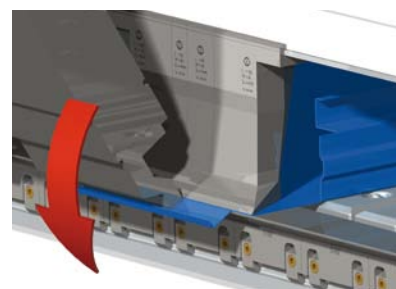
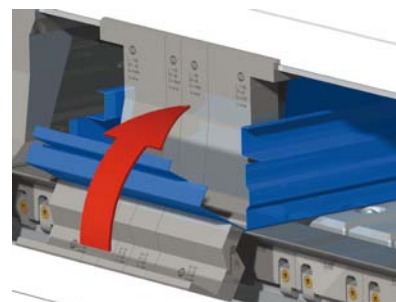
The two tool changer gripper arms take the upper beam tool segments from the tool magazine and place them within a hundredth of a millimeter accuracy in the automatic upper beam. After a few seconds, the UpDownCenter is ready for the next part.



The PosLift gauging system positions the part for each bend



Automatic tool changer



Precision up and down folding

UpDownCenter

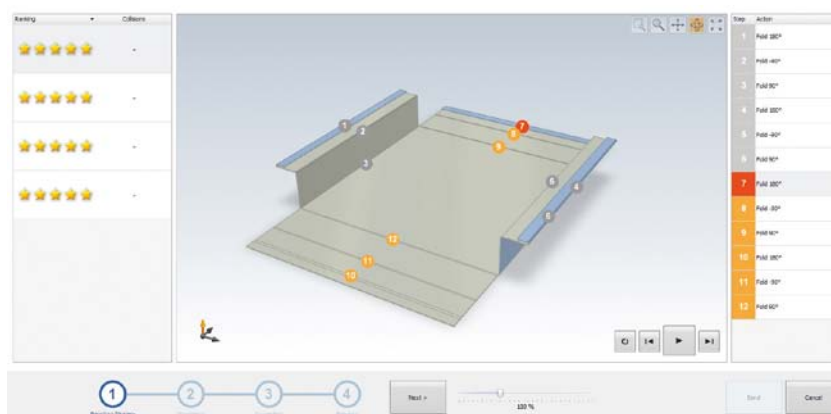
A dream come true!

The 24" multi-touch control is awesome! The user either creates the workpiece in 3D or imports a dxf, step or geo file. That's it! Press a button and the 24" multi-touch control programs the entire folding sequence including all tool changes automatically!

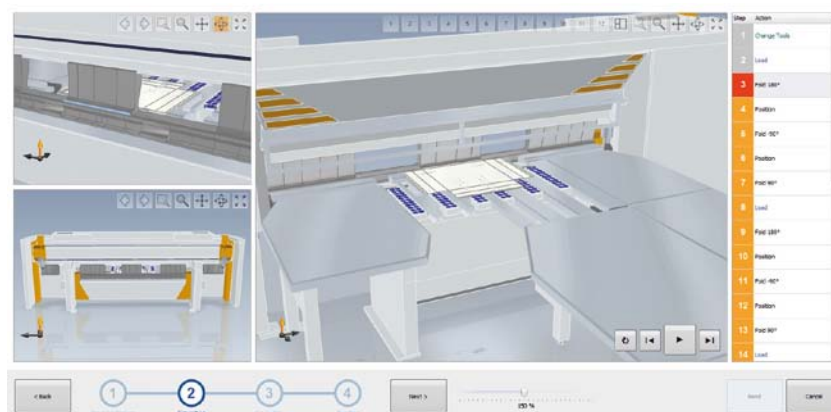
If there are several ways to bend the part, the controller shows the alternatives and suggests a folding strategy. The operator can view the entire program sequence in 3D. He can view the folding sequence from the folding beam side or from the side of the PosLift gauging system. He can zoom into the simulation in order to see any detail.



Blank squaring with stoppers



The control programs the part and suggests a folding strategy, if there are several ways to bend the part.



The 3D simulation shows the folding sequence from different angles.

RAS Green label

Not only is the RAS UpDown-Center driven by energy-saving servo-controlled motors, its energy recovery system uses 80% of the braking energy for subsequent bends.





UpDownCenter



Folding Center

Technical data	UpDownCenter	
Material thickness max. (mild steel)	3 mm	11 Ga
Material thickness max. (stainless)	2 mm	14 Ga
Material thickness max. (aluminum)	4 mm	9 Ga
Working length max.	3200 mm	126"
Box height four-sided max.	250 mm	10"
Minimum base footprint of a finished part*	185 x 210 mm	7.3" x 8.3"
Upper beam upstroke max.	650 mm	25.5"
Folding beam height adjustment	150 mm	5.9"
Positioning accuracy PosLift gauging system	0.01 mm	0.004"
Working height	1000 mm	39.4"
Machine width with PosLift gauging system in rectangular shape about	3000 mm	118"
Machine width with PosLift gauging system in "J" shape about	4700 mm	185"
Machine length about	6700 mm	264"
Machine height max. about	2600 mm	103"
Weight net about	13000 kg	28,700 lbs
Air pressure	5.5 bar	75 PSI
Drive power total	14 kW	19 hp
Speeds		
Folding beam	140 °/s	140 deg/s
Upper beam	95 mm/s	3.75"/s
PosLift gauging system	750 mm/s	29.5"/s

* with stoppers and two suction cups. With squaring arm 185 x 125 mm (7.3" x 4.95") possible.

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