

RAS EXTENDS BENDEX CONTROL SYSTEM

RAS OpenEditor

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RAS extends the Bendex control system on the Turbo2plus metal folding machines with the OpenEditor. With the additional input method, operators at the machine can individually control each machine movement and program bending sequences entirely according to their preferences.

Up to now, the focus of the software developers was mainly on the graphic functions of the Bendex control. Roofers, however, sometimes bend quite unconventionally. The upper beam in some cases clamps on open hems and then the folding beam bends with the upper beam not completely closed. In other situations, users have become accustomed to specific bending sequences. Although the graphic software automatically programs and offers a feasible and sensible bending sequence, the machine operators prefer to bend the profiles in their familiar order.

With the addition of OpenEditor programming, both work methods are available now. Less experienced users can draw the requested profile on the touch monitor and the Bendex software programs the bending sequence automatically. If several bending sequences are possible, Bendex evaluates the alternatives with a 5-star ranking. The favored variant with the most stars is shown on top, followed by alternative sequences. If required, the graphic shows the sequence on the machine in a 3D simulation before the operator starts the folding operation. The programs can be saved and called up again later. This is helpful if a running job has to be interrupted by a quick shot or a profile is damaged on the construction site and has to be reproduced.

Using the OpenEditor programming, the operator takes the helm completely and specifies the bending sequence by his inputs. This allows specialists to program exactly the sequences they are familiar with. On a 24" touch monitor with large input fields, even operators who are less familiar with controls can place their entries exactly. In each line, users can choose whether they want to perform a normal bend, close a hem, or create a radius from multiple single steps. If needed, it is possible to add display functions to the program, such as rotating and flipping the parts, lowering the stop fingers in these sequences, and similar program functions.

The OpenEditor programming method also offers more functions that are helpful. Material tables are available, for example, which correct the entered angles for the springback on the selected material type, bending length and sheet thickness. The tools used can also be selected for automatic tool height detection. This safety function protects the machine if tool with different heights are used on the machine. Based on the sheet thickness and the tools used, the software also calculates the setting height of the folding beam. In the program sequence, the Turbo2plus then automatically sets the folding beam to this position. It is also possible to save programs. Saved programs are shown in the footer of the screen so that you can quickly jump from one program to the next.

With the OpenEditor, RAS extends the way of programming a Turbo2plus metal folding machine. As the saying goes: Many ways lead to the goal.



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