

Bending – always a step ahead

Anyone who works with Bystronic pressbrakes in the Hämmerle 3P and Xpert series knows exactly what he has: outstanding and extremely user-friendly machines that produce high-precision bending results and offer maximum repetition accuracy and flexibility. These features have been expanded further with the latest innovations and the productivity of the systems has been increased yet again.



Fast Bend⁺

The new Fast Bend⁺ safety system increases the machine safety and the productivity of a pressbrake. It allows the machine to draw extremely near to the sheet metal at high speed, so that slow movement is only necessary during the actual bending process. This cuts the time required by approximately 20 percent. In other words: instead of four conventional bends, five bends can be made in the same time.

Furthermore, the new safety system adapts itself automatically after each tool change and moves the machine to the correct tool height without any additional intervention. All necessary tool parameters are stored in the control. If a tool is not recognized by the system, the machine stops. This way, it is nearly impossible to use an incorrect tool, which increases the safety still more. Fast Bend⁺ is standard equipment on the Hämmerle 3P pressbrakes and it is available optionally for the Xpert pressbrakes.



Bar code scanner

With the help of the bar code scanner, job changes are faster than ever before, since after the bar code has been read in, the bending program opens automatically on the machine control. The order can then be started and taken care of without further processing. Another advantage is that no incorrect orders can be loaded. The bar code scanner is the optimal extension to the Bystronic bending software Bybendpart, which generates the bar codes. It is available optionally for Hämmerle 3P and Xpert pressbrakes.

Energy Saver

Low energy consumption, less machine noise, and less heat characterize the Energy Saver. As soon as the upper beam has reached the top dead center after a bend, the main motor of the Xpert switches off automatically until the next bending process is started. This does not change the operational flows and the process speed remains as high as usual. However, it saves up to one third of the energy that is consumed by conventional pressbrakes. Furthermore, the machine is quieter and it does not produce any excess heat. The Energy Saver is standard equipment on the Xpert 60 to 320 series.



New bending aid

The new bending aid increases flexibility during material handling especially for small batch sizes with various material types and thicknesses. For example, there are rollers available for heavy parts and brushes for the non-marking handling of stainless steel. The table of this bending aid can be converted from rollers to brushes or plastic rails within just a few seconds. The new bending aid will be offered as an option for Hämmerle 3P and Xpert pressbrakes.

LED workspace lighting

In the future, Xpert pressbrakes will be equipped with the same powerful LED workspace lighting as the machines in the Hämmerle 3P series. Thanks to the color temperature of 8000 kelvin, metallic contours are highlighted as well as possible so that the workspace is perfectly lighted and the operator will not get fatigued. The light is completely shadow-free, but also antiglare in the machines' working area. And still more energy is saved, for compared to customary lighting, three times as much light is generated with low energy consumption. Here the lighting produces no heat, it is maintenance-free and not sensitive to vibrations. LED workspace lighting is standard equipment on the Xpert 60 to 320 series.



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