

New WAFIOS BM 60 CNC Coiling and Bending Machine "Now Even More Flexible Thanks to More Extensive Configuration Options"

The newly developed BM 60 closes the gap between the bending machines BM 50 and BM 90 introduced in the past two years. The BM 60 is designed for the working range of 6.0 - 13.0 mm at 600 N/mm², as well as max. 7.0 mm at 1,900 N/mm². The BM 60 replaces the two machines BM 61 L and BMU 6, which are well-established on the market, while offering a higher output at a comparably lower price.

The tools of the previous models can still be used. The BM 60 combines the same advantages as its sister models of the BM series and greatly profits from the experience in developing the other BM machines. High robustness and precision thanks to the stationary mounted bending head and the principle of rotating wire are well-known advantages of WAFIOS machines. These advantages also include the robust feed unit, the fast, cycle-time optimized cutting unit, the large bending space and flexible application possibilities through infinitely rotating bending and mandrel axes as well as large transverse and up/down strokes.

This is the first machine of the BM series that functions according to the expanded modular principle and combines the well-known options and functions of the B and BMU series. This is a freely configurable customer machine that has 6 CNC axes in the basic configuration and can be expanded to up to 18 CNC axes according to the customer's individual wishes and requirements.

The extensive modular set leaves nothing to be desired. Thanks to the option of variably adjusting the distance between the feed unit, cutting unit and bending head, the BM 60 enables the user to carry out even highly critical bending and coiling operations precisely and with repeat accuracy while achieving the highest outputs. The stationary mounted bending head is characterized by great robustness at high bending speeds. As an option, the bending head can be manually swiveled between 0° and 25°.

For special applications, the cutting unit can also be adjusted manually, and optionally via servomotor as well. For special applications such as torsion bars, it is possible to use a reinforced cutting unit for spring steel class C up to 8.5 mm as an option. The user can choose from a comprehensive equipment package that also includes the solutions **iQbend** and **iQinspect**. In our control software WPS3, **iQinspect** performs the interface functions for the data exchange between the wire or pipe bending machines and an external measuring system. This increases the productivity due to a great time savings when the machine is set up, especially in the case of a wide manufacturing range or very complex telegeometries. **iQbend** is the very widespread and well-known solution from WAFIOS on the market for reducing the whiplash effect by automatically adapting the bending speed. The "controlled" bending neutralizes the oscillation of long and unstable bent parts. This improves the quality of parts, the process speed and the process

safety at the push of a button. It also increases the availability of the machine while simultaneously increasing its output.

Typical areas of application for the new WAFIOS BM 60 include torsion bars for the automotive industry and contract bending enterprises that produce bent parts for various areas such as the construction or furniture industry.



Fig. WAFIOS BM 60