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## Prima Power at the EuroBlech 2016

### eP1030: the press brake that combines accuracy, productivity, reliability and economy

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At the EuroBlech 2016, Prima Power presents the bestseller within eP press brake family: the eP1030.

*“The eP series ranges from the eP-0520 with 2040 mm and 55 ton, to the eP-1336 at 3655 mm with 135 ton and the eP2040 that, with its 200T and 4080 mm, is the biggest in the eP family. More than 50% of all eP produced are in size 105T x 3000 mm” - states Fabio Farina, Product Manager for Press Brakes at Prima Power. “The model on show at this important exhibition has been revamped, and presents the new Prima Power design, more modern and ergonomic, and the latest safety device by Lazer Safe.”.*

All the eP-series press brakes use servo electric technology; have O-frame construction, an open tooling concept, Prima Power touch screen numerical control and, starting from now, the new Lazer Safe IRIS for operator and tool safety. The eP1030 is the most versatile of the range since it features a perfect combination of tonnage and working capability (105 ton x 3060 mm).

The belt driven mechanism is inherently more reliable and has less critical parts than a hydraulic press brake and, when combined with high resolution encoders, allows accurate bending along the whole length of the machine with an even force distribution. Furthermore, servo electric technology allows production to start as soon as the machine is switched on without a warm-up phase, enhancing the productive hours available, uses less



energy, requires less maintenance and reduces the number of scrap parts, reducing the cost of ownership and hence the cost per part.

Thanks to their O-frame construction, the machines are extremely rigid even under full load, avoiding distortion, which can cause problems in other frame constructions. The design also allows the bending of parts up to the full width of the machine and to a larger C-depth. The eP-series of machines is built with accuracy in mind and has a rigid back gauge construction which operates over the whole bending length. There is also an option for in-cycle material thickness measurement. This automatically adjusts the bending to take account of actual differences from the nominal thickness and hence produce highly accurate and consistent parts. For large parts, where two operators are usually required, Prima Power offers the AQ bending follower, which makes it possible to manipulate these large parts with one person without loss of accuracy.

The Lazer Safe IRIS system allows the operator to safely work close to the tools without interrupting high approaching speeds, protects tools from crashing and includes a Box mode to bend complex shapes without a compromise on speed. This results in significantly shorter cycle times.

Open tooling ensures that the machine will support the vast majority of tool configurations and it is designed for ease of operation and setting. This flexibility reduces idle time and enables companies to make full use of any existing investment in tooling.

Programming is easy with 2D graphical programming on the touch screen control or offline, thanks to the possibility to visualize on Prima Power Open control 3D files, making any working operation very simple and efficient.

Overall, Prima Power's range of servo electric press brakes offer users reliability, accuracy and high productivity at low cost. With the renewed eP1030, Prima Power has made the bending of larger parts easy, fast and economical.



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High-resolution illustrations are available in the Download section of the Prima Power website (<http://www.primapower.com/downloads>)

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#### About Prima Power

Prima Power is a world class supplier in the high technology field of laser and sheet metal fabrication machines. Its product portfolio is one of the most comprehensive in the field and includes: laser machines for cutting, welding and drilling, turret punch presses, combined punch/shear and punch/laser systems, press brakes, panel benders, bending centres, and flexible manufacturing systems (FMS).

Prima Power is the Machinery Division of Prima Industrie, a Group with over 1600 employees across the globe, manufacturing plants in Italy, Finland, USA and China and a highly specialized sales and service network in over 80 countries.