Press release

eP2040: The next generation of servo-electric press brakes

Prima Power has further widened its press brake line with a new product which will be launched at the BlechExpo in Stuttgart. The **eP2040** is a fast, accurate, non-hydraulic bending solution with a new servo-electric drive system.
The innovative machine concept combines productivity, accuracy, flexibility and reliability with high respect for ecological aspects according to our "Green Means®" philosophy.

Perfect bending result without limitations.
In this new machine Prima Power joins the advantage of the pulley-belt force transmission to the flexibility without compromises of CNC Crowning Technology.

The **pulley belt system**, actuated by Prima Electro servo drives and motors, distributes the bending force over the whole bending length. This technology offers superior movement control and accuracy.

The **CNC Crowning System** offers the possibility to obtain perfect bending results in each bending conditions.

The compensation of lower table is automatically adjusted by the CNC allowing to bend with all the combinations between V-die and thickness needed. The benefits are significant:

- no more restrictions in the choice of V-die dimension in relation to the material thickness
- bending freedom in every working condition
- perfect parallelism between upper and lower beam in working condition

Stable eP-Brake frame

The Prima-Power eP-Brake is based on a rigid O-frame. This guarantees the tool alignment even under stress deformation, since there is no horizontal displacement. The position of the upper beam, in relation to the lower beam is measured by dual Y1 and Y2 linear encoders that are fixed independently of the machine frame and are bed referenced. This design isolates ram positioning accuracy from any deflection in the side frames under load and maintains accurate positioning even during off center bending operations.
Ram repeatability on the eP-Series is +/-0.005mm.