



HB 60E

BIHLER/MINSTER HIGH-SPEED PRESS

For more precision, productivity and process security

With the HB 60E Bihler now includes a high-speed press in its range of products. It is based on the latest Hummingbird press of the US partner Minster Machine Company. Especially for the European market Bihler combines the proven features of the Minster press with the user-friendly press control EC-P, an optimized machine design and an integrated operator protection. The HB 60E is specifically designed to meet the needs of

stampers involved in the high volume production of intricate parts requiring extreme accuracy, uniformity and process security. As fastest press in its tonnage range this machine is suited for the manufacture of highly complex parts especially for the automotive and electronic industry. But also in other industries delicate applications can be mastered with the HB 60E.

Get on the fast lane! Added-value guaranteed!

BIHLER



EC-P

User-friendly stand-alone press control

The electrical system as per Bihler standards complies with the EU guidelines and provides an interface with the main supply of 400V/50Hz, 3 phase, N, PE. The control system consists of a power supply unit, electronic control and monitoring system and the operating controls, located in a stand-alone control cabinet 700 x 700 x 2100 mm or a twin cabinet 1400 x 700 x 2100 mm. The cabinet is connected to the press by a flexible cable duct. The industrial PC with 850 MHz is used as the control computer. A 15" coloured TFT touch screen with extra operating elements and keyboard serves for intuitive control of the HB 60E. The EC-P is equipped with 2 I/O bus modules each with 16 freely programmable channels, with inputs and outputs for sensors and functions. Furthermore up to four NC units e.g. gripper or roller feeds can be actuated.

Convincing advantages HB 60E

In stepless version the 600 kN press is capable of 1000 SPM with a stroke length of 15 mm making the HB 60E the fastest machine of its type in this tonnage range. The flexibility of the optional infinitely adjustable stroke and standard quick access slide features with motorized shutheight adjustment expand the use of the machine from punching and flat blanking to formed parts. The rigid guiding system, combined with the hydraulic clutch/brake system allows for fast starting and stopping, providing the ultimate in part precision, die life and productivity.

Specifications HB 60E

Tonnage:	600 kN
Stroke of slide:	steplessly 15 – 50 mm
Shutheight on bolster:	355 mm
Thickness of bolster plate:	114.5 / 119.5 / 124.5 / 127 mm
Area of slide:	1.100 x 480 mm
Area of bolster:	1.100 x 700 mm
Bed opening:	940 x 254 mm
Distance floor to top of bed:	838 mm
Upright opening:	380 mm
Overall height:	3.988 mm
Overall width:	3.115 mm
Overall depth:	1.935 mm
Area of footprint:	2.772 x 1.852 mm
Strokes per minute	15 mm: 125 – 1.000
Motor HP and speed:	30 kW-1.800
Weight:	17.300 kg

(subject to change without notice 09/09)