

Engel victory machines now with 160 t clamping force

The tie-bar-less Engel machine series now offers a new size with a maximum clamping force of 1,600 kN. These machines replace the current victory and e-victory 150.

Besides the increased clamping force the new machine size offers further developments: The clamping cylinder, mould fixing platen and Cframe have been completely redesigned. Based on FEM analyses, the characteristics of the tie-bar-less clamping unit have been improved while at the same time reducing the machine's weight. The use of the new Flex-Links with force dividers reduce the deflection of the moving mould fixing platen to a minimum and ensure smoothly distributed force transmission to the mould across the whole mould mounting surface.

All injection units are safeguarded by safety fences and safety gates. Hydraulic injection units as of size 750 are alternatively available as encapsulated types without additional safety guarding. The selection of electrical injection units has now been extended to include the 940 injection unit. Furthermore, the new victory 160 complies with the needs of energy efficiency.

Besides the tried and trusted hydraulics, the new ecodrive hydraulic drive system is now also available. In contrast to the standard hydraulics and asynchronous motor used previously, the new system has a fixed displacement pump and servomotor. Thus the machine's speed is directly linked to the drive speed. The new servohydraulic ecodrive keeps the speed down to requirements.

In other words, the drive is only active during movements, with energy consumption dropping to virtually zero when the machine is idle. So it is possible to save up to 70% of the energy consumption, according to Engel.

Adresse:
<http://www.gupta-verlag.com/rubber/news/technology/8321/engel-victory-machines-now-with-160%C2%A0t-clamping-force>