

Press release

July 04, 2018

Small, inexpensive and efficient – the vario flex pneumatic workpiece ejector A new member of the Hainbuch end-stop systems family

Clamping specialist Hainbuch is now offering users of its mini series, or the earlier Toplus or Spanntop chucks from Hainbuch, clever part that saves time and costs into the bargain. The vario part and vario quick end-stop systems, already in the product portfolio, are joined by a third variant: the vario flex. The pneumatic workpiece ejector ejects the workpiece from the chuck automatically. The pneumatic workpiece ejector depth can be adjusted flexibly by means of a clever retaining mechanism and positioned in the machine exactly as required for the workpiece. This automated function increases process security and reduces cycle times. The vario flex workpiece ejector can also be used as a basic end stop for coolant wash or air flush. To do this the pneumatic spring is removed and a feed tube is attached. The optional workpiece-specific end stop with holes for the wash and air flush can then be mounted directly on this flexible interface.

Two systems, even more flexibility

Valuable time can be saved using the standardized end stops. Set-up times are drastically reduced and the user always has the right end-stop ready to hand. Whether to use vario quick or vario part is just a matter of preference. For precise, rigid clamping, Hainbuch recommends using the vario part system. It works on the same principle as a gauge block, and its height can be finely adjusted in 1 mm steps with gauge discs. With an axial run-out of < 0.02 mm at the part of the end-stop that touches the workpiece, vario part is ideal for machining finished parts. The vario quick variant is intended for fast, flexible clamping. It has a precise, trapezoidal thread screw to allow the clamping length to be adjusted quickly. A half-turn is equivalent to an axial adjustment of 1 mm. Hainbuch also offers end stop blanks for workpiece or front end stops.

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Key features of the vario flex workpiece ejector:

- Automatic ejection of the workpiece from the chuck
- All-in-one workpiece ejector and basic end-stop for connecting a wash-out or air system

Benefits of vario flex workpiece ejector:

- Process security from automatic workpiece ejection
- Increased productivity from shorter cycle times
- Flexibility due to the different application possibilities

HAINBUCH at the AMB 2018 in Stuttgart:

Hall 1 . Booth 1E10

Photo:

01_Hainbuch_workpiece_ejector_vario_flex.jpg

The function of the pneumatic workpiece ejector is to eject the workpiece from the chuck automatically.