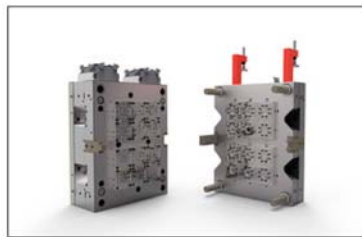


Braunform

High-volume mould with quick stroke integrated in automated production cell



The mould cooling is said to be suited to achieving the shortest cycle times. (Source: Braunform)

Braunform, together with its partners Hekuma and Engel, plans to present a high cavitation injection mould said to have a very short cycle time of about five seconds.

According to the company, the 96-cavity mould for a pen stroke (needle holder) complies with the Braunform MED mould standard and was specifically developed for cleanroom applications. The high cavitation injection mould processes the

article in a highly automated manufacturing cell under constant visual monitoring, the company explained. It added that the cores only measure 0.3mm and 0.5mm, while special attention in the development of the mould was placed on the modular design. Furthermore, the mould cooling is suited to achieve shortest cycle times, amongst others with vacuum brazing. Also worth mentioning is the direct side gate of the article with a full hot runner from Heitec.

For the implementation of the complete project, automation specialist Hekuma has developed the high-speed extraction with an acceleration of up to 17g and a camera surveillance system for automatically sorting out rejected articles in case of breaking cores in the mould, Braunform said. Additionally, machine manufacturer Engel provided a fully electric Engel e-motion 220t. During the exhibition, the injection mould will be exhibited at the booth of Engel. The corresponding module inserts are shown at the booth of Braunform in Hall 1, Stand F30 in detail.