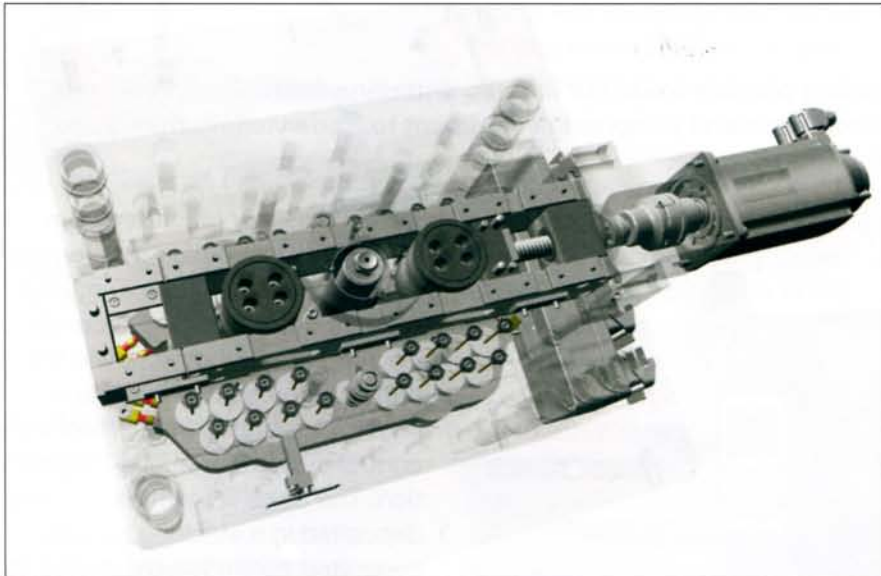


Electrical drive shut-off plate



needle, can be implemented from the external part, without disassembling any component from the mould.

Further benefits include: simplified conditioning system in the mould; no pneumatic or hydraulic drive circuits; easy application also with many cavities and minimum nozzle to nozzle distances; very precise and separate adjustment of pin position; possibility to exclude one or more cavities on board the machine.

Traditionally, the needle of the shut-off nozzles is activated by a number of pneumatic, hydraulic (one for each nozzle) actuators. However, housing multiple fluid actuators and the relative supply and conditioning ducts inside a mould is often complex and in some cases, impossible.

The new plate movement system developed by Thermoplay provides the advantages of a moving plate without losing those of the traditional technique.

The extremely compact size of this shut-off system and the relative mechanical or electric drive, allow for less distance between the cavities of the mould whilst maintaining the advantages of the movement systems used today. In some cases a particular device can be installed, allowing each needle to be decoupled from the moving plate and simultaneously, the "closed needle" position can be blocked, which is necessary if the flow of plastic material has to be blocked in one or more cavities.

The motion plate incorporates a micrometric adjustment device of

the pin position.

Both functions, closing/opening, of a cavity and adjustment of the

*(Pictures:
THERMOPLAY S.p.A, I-Pont St. Martin)*

