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Mould for PET blood tubes

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A 32-cavity mould for the production of PET blood tubes, with ejection by Cartesian robot, has been recently developed by Gefit, specialized in the manufacturing of moulds for thermoplastics processing and of high speed assembling machines. In the manufacturing of moulds for the medical field it is necessary to work with the highest standards of accuracy and reliability, an even more valid criterion when moulds are devoted to the production of high quality blood tubes: in this case many parameters have to be considered to avoid any risk of unpleasant surprises.

In the production of PET blood tubes the aim is to obtain perfect articles also in terms of aesthetics, without white spots (evident sign of a not perfectly crystallized material) and with the correct mechanical properties. The tolerances, in this case, are deliberately very low, a key parameter to get perfectly straight blood tubes. Producing PET blood tubes means to handle injected parts with a considerable length (generally 75 or 100 mm) and a

particularly reduced thickness. Therefore, in other words, a high-speed injection on a plenty, fixed core with particular self-centring elements. Shortly, to meet the market growing demand for this products, Gefit reached a very high level of know-how on materials, treatments, sizes and quality of the steel.

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