

INJECTION MOULDING MACHINE

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ABSTRACT

Plastic injection moulding is a highly specialized production methodology. A moulding machine is actually 2 machines in 1, first, the plasticizing delivery mechanism, and a clamping mechanism. The delivery mechanism takes pelleted plastic resin, melt this material by means of pressure and heat, and forced the material into the a mould cavity under pressure. A mould cavity is essentially a negative of the Part being produced. The cavity is filled with plastic, and the plastic changes phase to a solid resulting in a positive.