

Title (en)
VERTICAL INJECTION MOLDING MACHINE

Title (de)
VERTIKALE SPRITZGIESSMASCHINE

Title (fr)
MACHINE DE MOULAGE PAR INJECTION VERTICALE

Publication
EP 0724514 A1 19960807 (EN)

Application
EP 94931821 A 19941012

Priority
• US 9411566 W 19941012
• US 14042493 A 19931025

Abstract (en)
[origin: WO9511792A1] An injection molding apparatus (10) includes a plurality of stations (16, 18) for preparing injection molded articles; a rotatable table (14) carrying at least two molds (12), the table being positioned so that rotation of the table serially indexes the at least two molds to the plurality of stations; a service supply unit (42) for supplying services to the at least two molds including an on-board controller (40) for distributing services to the at least two molds, the on-board controller being mounted to the table and connected to the supply unit and the at least two molds, whereby services are distributed from the supply unit to the at least two molds through the on-board controller. Each mold (12) preferably has a mold parting line (24) dividing the mold into mold elements (26, 28), and the plurality of stations includes an injection molding station (16) having an injecting unit (32) for injecting a molten material into a mold and having a primary clamp unit (30) for clamping and sealing the mold elements during injection, and an ejecting station (18) having a mold opening unit (36) for opening and closing the mold elements.

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