

A New Technology for Producing-Moulds for the Shoe Industry

15 years of experience and development in the metal spraying of unit sole moulds has gone into the new Arc Spray Gun which is marketed by HEK GmbH under the name of MCP/TAFA. The well known HEK system of spraying MCP low melting point alloys has been replaced by the new arc spray system which is as easy to use as the old system.

The new metal alloy used for spraying the moulds is MCP 400 with a melting point of 400 °C and a Brinell hardness of 83 – over 3 times harder than MCP 150 and MCP 200 low melting alloys with only 24 Brinell.

With this new system using any pattern materials the user can produce hard faced, accurate moulds for production without hand finishing for PU and RIM unit soles, injection moulds for heels and unit soles in thermoplastics using either a re-useable, metal alloy or a highly aluminium filled, high temperature resin for backing the metal sprayed coating.

MCP/TAFA offers a complete package in-

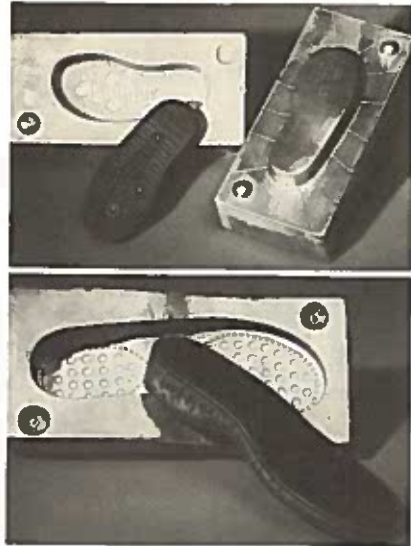


Fig. 2: Production Moulds sprayed with the MCP/TAFA system.

cluding equipment, materials, release agents and training if necessary as well as comprehensive handbooks and video films on making moulds.

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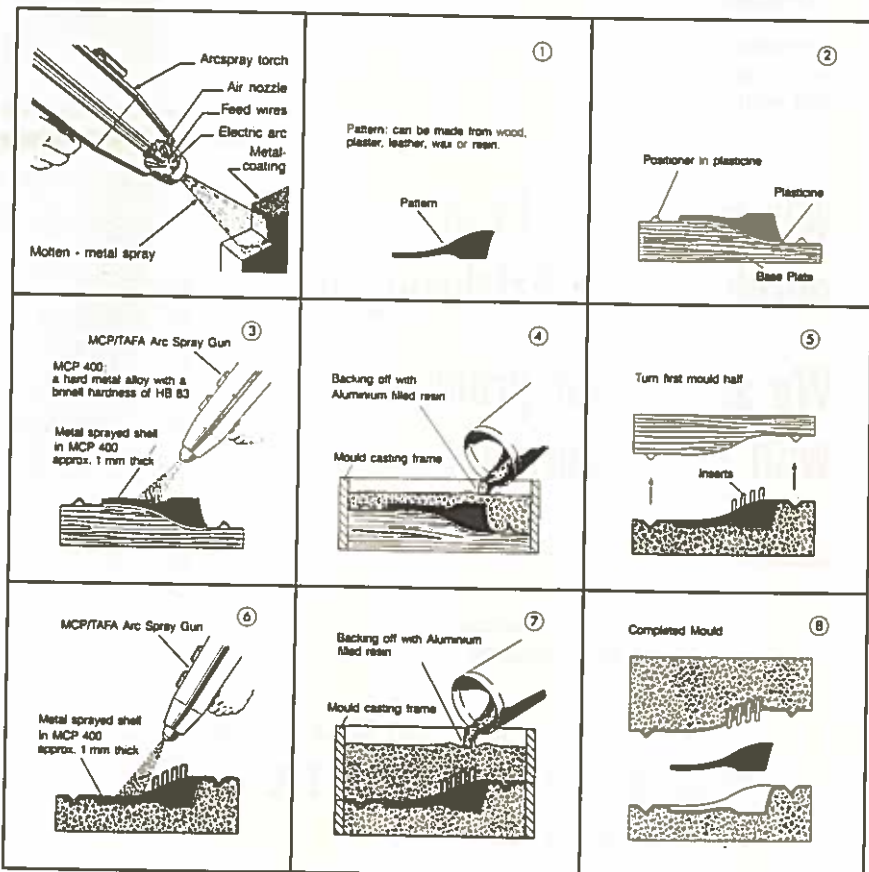


Fig. 1: Making a mould with the MCP/TAFA metal arc spray system for: PUR semi rigid foam components and PUR unit soles.