

# European

## TOOL & MOULD MAKING

COMPONENTS • EQUIPMENT • MATERIALS • SOFTWARE • SERVICES

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As ETMM turns 5, a big "thank you" to all our readers and advertisers! See page 7.

### EDM Europe

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## Compact Machine Sets Benchmarks



With its integrated and compactly designed genius 700 cavity-sinking EDM, Zimmer + Kreim GmbH & Co. KG presents a system for tool and mould construction that exceeds the speed of competitors' machines in automatically changing workpieces and electrodes. The sleeve working at 18 m/min and the very short timer phases combine to reduce process cycles.

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Zimmer + Kreim GmbH & Co. KG

Diersbach, Germany

For more information, circle #1

## Distinctive Two-Stage Ejection Systems Feature Design Advantages, Adaptability

Providing mould builders with a unique design solution, two-stage ejector systems from D-M-E can be cut to length to adapt to a variety of mould base sizes and plate thicknesses and can be installed internally in order

to avoid interfering with water-line connectors and externally mounted components.

The ejector systems are made of hardened steel for a long use lifetime. Available in sizes of 20, 26, and 32 mm in diameter, the ejectors provide two



different styles of ejection: bottom last (with the VF-BL model) and top last (with the VF-TL). The line has been designed to accommodate most standard mould bases in either inch or metric types.

The stroke range for each ejection stage is achieved by cutting the centre rod to the desired length.

See full story on page 78

D-M-E Belgium C.V.B.A.

Mechelen, Belgium

For more information, circle #2

## New CAD/CAM Release Streamlines Mould Design, Manufacture

EuroMold 2004 will be the occasion for CAD/CAM system provider Cimatron Ltd. to unveil the latest version of its flagship product. Cimatron E 6.0 tooling design and manufacturing software is an integrated system covering the entire toolmaking process from quotation to delivery.

The new release further automates and simplifies many processes and tasks, thereby enabling toolmakers to minimise delivery times while still allowing each shop to employ its own methods and practices.

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### EUROMOLD

Frankfurt/Main, Germany

December 1-4, 2004

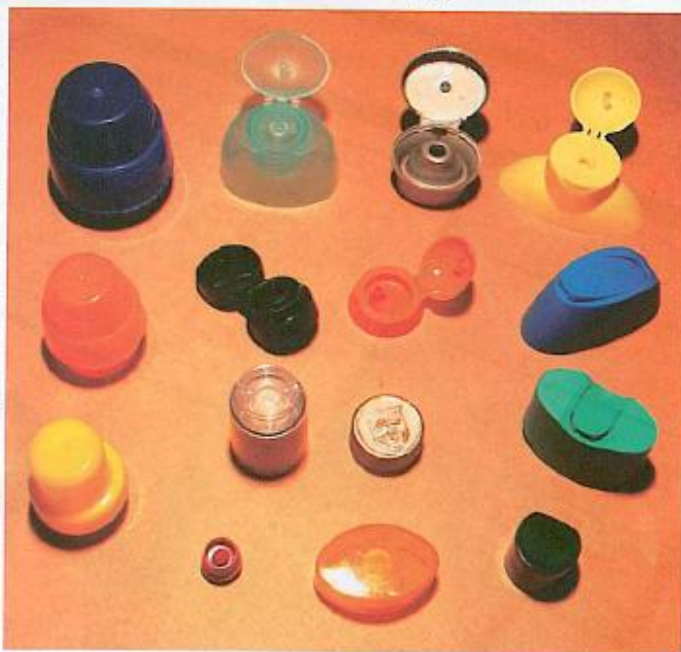
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# Case Studies

## Thermoplastic Injection Moulds Perfected through Supplier's Hot Runner and Moulding Machine Technology

Spanish toolmaker Matrix S.A. relies on hot runners and injection moulding technology from Husky Injection Molding Systems to ensure the production quality of its intricate high-precision, short-cycle, multicavity thermoplastic injection moulds used to make medical devices, pharmaceutical and cosmetics packaging, caps and closures, automotive parts, and other industrial items.

The variety of product surface finishes and closing mechanisms calls for moulds that incorporate hot runner systems, gating and mechanisms for coinjection moulding, and stack configurations. To meet customers' high quality and aesthetic requirements, Matrix uses a Husky Hylelectric 400-tonne machine to validate moulds prior to delivery. This machine can also handle multimaterial moulding trials. The wide range of Husky hot runners



Matrix uses includes Ultra nozzles, which handle throughputs of 10-400 g/sec, and the 1250 series, designed for flows up to 900 g/sec.

Matrix recommends the use of Husky moulding components to all its customers for moulds that are intended for export. For the domestic Span-

ish market, the company installs Husky hot runner systems in about 50% of the moulds it produces.

"In the past couple of years, we have increased the amount of tooling going into multicavity and export moulds," notes Martí Lleixà, Matrix sales director. "By incorporating Husky's hot runners, we add an important plus for our customers: the worldwide availability of service for Husky components means our customers can receive local support."

As part of its mould tooling service, Matrix S.A. often handles official approvals for its moulds, as well as any preproduction testing that its customers may require. Matrix has found that collaboration with Husky in these matters helps ensure the results customers seek.

**Husky Injection Molding Systems S.A.**

Dudelange, Luxembourg

• For more information, circle #63