

European

TOOL & MOULD MAKING

COMPONENTS • EQUIPMENT • MATERIALS • SOFTWARE • SERVICES

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EDM Technology Meets Requirements for 3D Micromilling

As small-scale 3D machining has developed to keep pace with the product miniaturization trend, Sarix S.A. has been supplying high-performance EDM equipment for micromachining. Now



the manufacturer brings EDM to the increasingly stringent requirements of 3D micromilling with its specialized SX-series EDM micromilling machines, showing that small machines can perform not only high-precision tasks with great accuracy but also 3D machining. Combined with an automatic electrode refeeding and wear-compensation spindle with a built-in microscale wire-EDM device for electrode grinding, the machine opens up new possibilities for machining intricately shaped forms, fin walls, and extreme microstructures.

▶▶▶ See full story on page 52

Sarix S.A.

Losone, Switzerland

▶ For more information, circle #1

Vertical Precision Centre for Tool/Mould Making Has Linear Drives for All Axes

The Deckel Maho DMC 105 V linear machining centre is the latest model in a successful series of vertical precision centres from DMG Vertriebs- und Service GmbH. Linear drives along all axes maximize dynamic response, productivity, precision, contour accuracy, and surface quality. Chief among the innovative options the centre provides is the b-axis with torque motor that enables expansion to a high-dynamics simultaneous 5-axis machining centre with direct drive in the spindle head and CNC rotary table.



Linear drive technology accounts for accelerations up to 2 g and rapid-traverse speeds of 90 m/min. Smooth running and consequent high surface qualities can be achieved because of the robust cast portal structure of the centre and its highly rigid, FEM-optimized machine bed.

▶▶▶ See full story on page 31

DMG Vertriebs- und Service GmbH

Bielefeld, Germany

▶ For more information, circle #2

Magnetic Lifters Move Moulds and Components Rapidly, Safely, Cheaply

A new series of manual lifting devices for moving ferrous loads quickly, safely, and economically is available from the magnetic equipment



supplier Tecnomagnete S.p.A. Based on permanent-magnet technology and therefore requiring no electrical feed, MaxX-series manual lifters come in models that have been designed to lift round and flat loads weighing from 250 to 2,000 kg.

A single operator using a lever can lift, transport, and release a load with

extreme rapidity. The passive force of magnetism does not compress or deform the load; rather, the system allows plenty of motion, even in limited spaces.

▶▶▶ See full story on page 56

Tecnomagnete S.p.A.

Lainate (MI), Italy

▶ For more information, circle #3

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