

RAMPF Produces 50,000th Machine Bed Made of Mineral Casting

Growth in global demand for EPUMENT[®] – a vibration-damping material with impressive environmental credentials

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Wangen (Göppingen), Germany, July 1, 2021. RAMPF Machine Systems has produced its 50,000th machine bed made of EPUMENT[®] mineral casting. This landmark machine bed is providing the low-vibration foundation for a five-axis simultaneous milling machine.



Marc Dizdarevic, CEO of RAMPF Machine Systems – “This milestone in our company history shows the growing popularity of mineral casting as a competitive machine bed material in numerous industries worldwide. It also confirms the outstanding performance of our staff, who demonstrate their impressive commitment to our customers on a daily basis.”

For decades, RAMPF Machine Systems has been a world market leader for machine bed solutions and machine systems based on alternative materials such as EPUMENT[®] mineral casting and EPUDUR ultra-high performance concrete. The company provides the market with complete solutions. Its comprehensive portfolio includes material-specific design and engineering, production, precision grinding, assembly, and construction of customized multi-axis moving systems and basic machinery.

In addition to their exceptional vibration damping and thermal stability, EPUMENT[®] and EPUDUR also score highly with their resource-efficient manufacture, and their environmentally friendly disposal and

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recycling. Furthermore, materials developed by RAMPF Machine Systems are driving the development toward Industry 4.0.

Kacper Lasetzki, Sales Manager at RAMPF Machine Systems – “Using cold-casting means sensors and actuators can be integrated directly into the casting for applications such as temperature measurements to detect unwanted heat build-up so that integral temperature control cables can then neutralize it. This creates ‘intelligent machine structures’ that make a key contribution to Industry 4.0.”

Low-vibration base for five-axis simultaneous milling machine

The 50,000th mineral casting machine bed produced by RAMPF Machine Systems is being used in a five-axis simultaneous milling machine. With its excellent vibration damping, low thermal conductivity, and high thermal capacity, EPUMENT[®] mineral casting ensures stable production processes and thus the necessary precision for such high-performance machines.

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RAMPF Machine Systems GmbH & Co. KG, based in Wangen (Göppingen), Germany, is the leading supplier and development partner for system solutions, trunk machines, and basic machines, as well as multi-axis positioning and moving systems based on high-precision machine beds and machine bed components made from alternative materials.

The portfolio of high-performance materials includes mineral casting, ultra-high performance concrete (UHPC), natural hard stone, metal foam, and fiber composites. These materials provide a solid basis for ultra-precise and high-performance machine beds and machine bed assemblies.

The full range of services provided by the company includes everything from engineering to production, as well as assembly, system solutions, customer-specific multi-axis positioning and moving systems, and basic machines – from single-piece to series production in customized supply chain solutions.

Using innovative casting, grinding, and lapping processes, as well as high-performance assembly and testing equipment in temperature-controlled production environments, exceptional accuracy of machine bases and basic machines is guaranteed.

RAMPF Machine Systems is a company of the international **RAMPF Group** based in Grafenberg, Germany.

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