



Press release

Automated and unmanned - efficiency redefined: Matsuura at the AMB 2024

Wiesbaden-Delkenheim, July 2024 - MATSUURA, the leading Japanese manufacturer of high-quality machining centers, will be exhibiting at the International Exhibition for Metalworking - AMB in Stuttgart from 10 - 14 September 2024 in the Paul Horn Hall, booth A11. Under the motto "Automated and unmanned - efficiency redefined", Matsuura will be presenting further automation solutions this year. These include the 5-axis entry-level model MX-520 with a Promot robot cell as well as the LF-160. Many workpieces from the medical sector, but also from motorsport, will be presented at the stand. The additive manufacturing team will also be on the stand to provide information on the 3D metal printers from the Lumex series and the 3D printers from the plastics sector from Matsuura partners HP, DyeMansion and Sinterit.

Unmanned 5-axis production at an entry-level price

The MX-520 5-axis vertical machining center is a successful Matsuura product with a large work area, optimum accessibility and high milling performance. This machining center offers a wide range of automation options as well as the best possible entry into unmanned production with low investment costs but high usability. With 90 tool positions, a torque of 187 Nm for the 12,000 mm spindle and the iHMI NC control, the MX-520 is specially designed for the economical production of individual and small series. Workpieces measuring \varnothing 520 x H 350 mm and weighing up to 200 kg can be machined effortlessly. Thanks to the ergonomically optimized and safe handling, the MX-520 can also be operated by users without 5-axis experience.

The perfect match for the MX-520: PROMRO robot cell from PROMOT

The PROMRO product family incorporates all of PROMOT Automation's 40 years of experience in machine tool automation. It offers robot cells that are easy to configure and offer many possibilities for machining center users. The PROMRO robot cell primarily reduces the cost per part and makes it easier to cope with fluctuations in capacity utilization and order peaks. In line with the Matsuura MX-520, the user increases his productivity and reduces the production costs per part.

Ultra-high speed and micrometer accuracy with the LF-160 PC42

The LF-160 PC42 is used for the automatic production of prismatic workpieces and 3D molds with excellent surface quality. The linear motor machine processes workpieces measuring \varnothing 160 x H 230 mm with a maximum weight of 20 kg. The high-precision



machining and high variant production is ideal for medical technology but is also well suited to precision mechanics and optics. The 5-axis vertical machining center can optionally be equipped with up to 91 pallets and 338 tools.

"... the most advanced and efficient manufacturing solutions"

"Our participation in AMB 2024 underscores our commitment to providing our customers with the most advanced and efficient manufacturing solutions," said Simon Chappell, Managing Director of Matsuura Europe GmbH. "By showcasing the Matsuura LF-160 and MX-520, we will demonstrate how automation can overcome the current challenges in the industry, particularly the shortage of skilled labor. These machines are designed to offer our clients increased productivity, reduced operational costs, and enhanced manufacturing capabilities."

About Matsuura Europe GmbH

Founded in 1935 in Fukui, Japan, Matsuura is a family-owned company that aims to provide technologically leading products for an ever-faster world. Today, Matsuura is synonymous with fast and precise machining of workpieces of all kinds and manufactures highly automated machining centers and top-class additive manufacturing systems for its customers in the mechanical engineering, automotive, precision mechanics, optics and aerospace sectors.

In Germany, Matsuura is known as a leading full-service provider. The extremely powerful and tailor-made Matsuura machining centers meet the requirements of the European market to a high degree. In the modern demonstration center in Wiesbaden-Delkenheim, everything revolves around the needs of our customers on 2,500 m². Competent and highly qualified employees of Matsuura Europe GmbH are the first point of contact for advice, sales and service for Matsuura machining centers, Matsuura additive manufacturing systems from the Lumex series, HP and Sinterit 3D printers and DyeMansion finishing systems.

Pictures:

- 5-axis-vertical-machining center MX-520 with Promot robot cell
- 5-axis-vertical-machining center LF-160 PC42

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Berta-Cramer-Ring 21
65205 Wiesbaden-Delkenheim
www.matsuura.de