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Think big with FANUC M-1000iA heavy-payload robot

FANUC's latest large handling robot can lift and manipulate heavy loads with more versatility

Milano – FANUC is unveiling a new large handling robot, the M-1000iA, with a wrist payload of 1000 kg and a maximum reach of 3253 mm. Of particular note, the M-1000iA is FANUC's largest robot to feature a serial link mechanism, rather than the parallel link mechanism typical of heavy payload robots. As a result, the M-1000iA has a wider range of motion in both vertical and longitudinal directions, allowing the arm to stand upright and rotate backwards, which is impossible with parallel link robots. This capability provides users with extended versatility across a wide range of handling applications.

With the M-1000iA, users can automate production lines and improve productivity in applications such as the drilling and handling of automotive components, construction materials and battery packs for electric vehicles. In particular, the robot is characterised by high rigidity and the strong performance of its wrist, which is IP67-rated to ensure protection against dust and splashes.

The M-1000iA supports FANUC's latest R-30iB Plus control in addition to the conventional iPendant as a teaching device, while the intuitive, easy-to-use Tablet TP is also available. Furthermore, as with all FANUC robots, it is possible to configure the M-1000iA with vision sensors and a wide range of intelligent functions that help improve flexibility.

Another benefit of the M-1000iA is its flip-over capability. This inherent versatility helps users to create more compact and flexible cells and helps to reduce the cycle time with shortened moving distance.

FANUC, which will begin shipping production units of the M-1000iA in December 2021, is showing the robot at the EMO Milano exhibition, where it is handling a heavy battery pack for an electric vehicle (EV) as part of an eye-catching robotics area dedicated to

green mobility. On Stand E02 in Hall 7, the display also features the even larger M-2000iA/2300 (2.3 ton payload) robot, which is handling an electric vehicle.

About FANUC

The FANUC Corporation is one of the worldwide leaders in factory automation for CNC control systems, robots and production machinery (ROBODRILL, ROBOCUT, ROBOSHOT and ROBONANO). Since 1956, FANUC is the pioneer in the development of numerically controlled machines in the automation industry. With 264 FANUC locations worldwide and more than 8,000 employees, FANUC offers a dense network in sales, technical support, research & development, logistics and customer service.

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