New Painting Robot

Designed for a Range of Tasks

A new painting robot has been developed for a variety of different coating tasks and components from bumpers and parts for construction machinery through to a wide range of other workpieces. The robot brings advantages for automotive manufacturers in particular.

Fast colour changes, a high level of flexibility and excellent quality coatings: these are the requirements that modern painting robots have to meet. In the automotive industry in particular, parts with a growing number of variations have to be coated while keeping item costs to a minimum. Yaskawa's response to this is its newly developed painting robot, the Motoman MPX3500.

Because of the high 15-kilogram payload of its hollow wrist, the six-axis robot can be fitted with a wide range of rotary atomisers. It is ideal for painting all types of components from car bodies to add-on parts in several colours. If the robot is wall-mounted, it has a large working envelope of 3500 mm, which makes it particularly suitable for use in large cells. In order to reduce the amount of time needed for pro-

gramming, it is possible simply to create a mirror image of the movement data from another robot on the opposite side of the paint line.

The compact size of the robot and the design of the L axis allow a manipulator to be installed without being offset. This brings it closer to the workpiece which helps to save valuable space. The cables and hoses are routed inside the robot arm and this prevents possible interference.

This versatile model offers high levels of availability and easy programming and installation. The robot is controlled by the high-performance DX200 controller which guarantees high-quality movements. A functional safety unit (FSU) with enhanced safety functions is available as an optional extra for the controller. ■

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Contact:

Yaskawa Europe GmbH, Allershausen, Germany,
Tel. +49 8166 900,
www.yaskawa.eu.com

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