

YS-series 4-axis SCARA robots are ideal for high-speed handling and assembly systems; same controller as other Motoman® robots allows easy integration



NXM100 CONTROLLER



PACKAGING

FEATURES & OPTIONS

- 5 kg payload
- High-speed “pick-and-place” motion
- Compact, mid-size NXM100 controller
- Proven Yaskawa servo drives
- MotoSim® EG simulation software (optional)
- MotoSight 3D vision software (optional)



YS650

High-Speed SCARA Robots

The YS650 4-axis, SCARA robots offer high speed in a compact form that requires minimal installation space. The YS650 model features a reach of 650 mm, Z-axis stroke of 170 mm and 5 kg maximum payload.

The YS-series robots feature an IP20 rating and offer superior performance in applications such as assembly, part kitting, small part handling, case packing, lab automation, and magnetic media and semiconductor processing.

These robots easily integrate with existing robot applications to expand current automated processes. They are ideal for large, multi-process systems requiring pick-and-place capability.

YS-series robots feature the same NXM100 controller used with Motoman Robotics’ small six-axis robots (HP3M-series and HP6M-series).

NXM100 Controller

The compact NXM100 controller easily fits underneath conveyors or the controller cabinets can be stacked to provide floorspace savings. The high-performance NXM100 controller

delivers all of the same features of the full-sized NX100 controller in a much smaller “mid-size” cabinet. The NXM100 provides patented multiple robot control capability (up to FOUR robots with one pendant), open communication, and integrated cell control. It has the ability to fit one optional external axis servo amplifier for seventh axis control.

The NXM100 robot controller features a Windows® CE programming pendant with color touch screen; easy-to-use INFORM III programming language; a robust PC architecture; and built-in Ethernet. The NXM100 includes four levels of password protection. All operator controls are located on the pendant, allowing the control cabinet to be mounted remotely.

The NXM100 controller also offers unmatched connectivity, highly flexible Fieldbus support, and easy connection to an information infrastructure through standard network options for DeviceNet, ControlNet, Profibus-DP, EtherNet/IP, and many others.

