# **SOLUTIONS IN MOTION®**





HOLLOW WRIST WITH BELL APPLICATOR (EXAMPLE)



EXPLOSION PROOF TEACH PENDANT (OPTIONAL)



### TOP REASONS TO BUY

- Ideal for automotive interior coating and sealing
- Motoman Robotics is a global leader with a large paint robot install base
- High wrist/upper arm payload capacity for mounting paint application equipment
- Easy-to-use touch screen teach pendant
- MotoSim<sup>®</sup> EG simulation software (optional)



### Payload: 15 kg

### Versatile Coating Robot

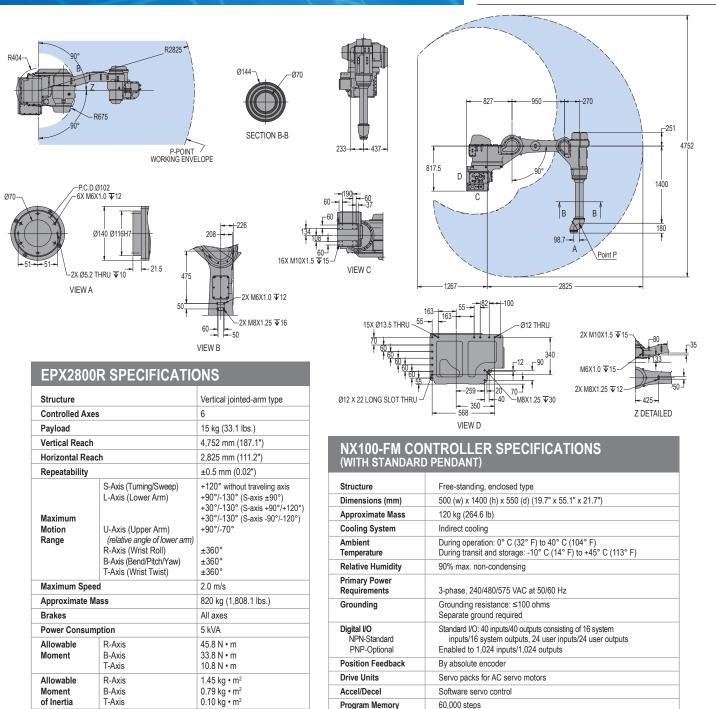
- High-speed, shelf-mount six-axis (sevenaxis with optional rail) EPX2800R robot is ideal for automotive and other industrial coating applications.
- Offers superior performance and creates smooth, consistent finish with outstanding efficiency for painting and dispensing applications.
- Hollow wrist design is ideal for painting contoured parts such as interior/exterior surfaces; well-suited for mounting spray equipment applicators. Inside diameter is 70 mm (2.75"). Interference between the hose and parts/fixtures is avoided; ensures optimum cycle time and robot reach/access.
- Factory Mutual (FM) approved for Class 1, Div. 1 use in hazardous environments.
- 15 kg (33.1 lb) payload; 2,825 mm (111.2") horizontal reach; 4,752 mm (187.1") vertical reach; ±0.5 mm (±0.02") repeatability.
- Highly flexible, compact design.

#### Advanced NX100-FM Controller

- Includes application-specific software for paint applications.
- Coordinates operation of robot and painting devices, including spray gun.
- Supports gun control instructions such as spray start/stop and painting conditions.
- All painting position parameters can be filed and saved.
- Supports standard networks (such as DeviceNet, ControlNet, Profibus-DP and Interbus-S), enabling connection to paint equipment controllers and production line controllers.

# **EPX2800R ROBOT**

All dimensions are metric (mm) and for reference only. Please request detail drawings for all design/engineering requirements.



#### OPTIONAL PENDANT SPECIFICATIONS

Shelf

Dimensions	235 (w) x 203 (h) x 78 (d) (9.25" x 8" x 3.1")
Mass	1.25 kg (2.8 lb)
Material	Reinforced plastics
Operation Device	Select keys, axes keys, numerical/application keys, emergency stop button, enable switch
Display	5.7-inch monochrome LCD, backlit white LED, touch panel 320 x 240 pixels (Alphanumeric characters, Chinese characters, Japanese letters, Others)
IEC Protection Class	IP54
Cable Length	Standard: 8 m, Optional 20 m Max: 50 m (with optional extension cable)

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Mounting

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YASKAWA	
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10,000 ladder instructions

10,000 Instructions

Controlled stop

Up to 8 concurrent jobs

M-Net, CC Link, EtherNet IP/Slave 10 Base T/100 Base TX

Switch, Manual Brake Release

explosion-proof manipulator

169 (w) x 314.5 (h) x 50 (d) (6.6" x 12.4" x 2")

Teach, Play, Remote, Servo On, Start, Hold, Emergency

Stop, Edit Lock (Play Mode Enabled on Controller)

DeviceNet Master/Slave, AB RIO, Profibus, Interbus-S,

Dual-channel Emergency Stop Pushbuttons, 3-position Enable

Meets ANSI/RIA R15.06-1999 and Canadian safety standards

Equipped with scavenging control unit for internal pressure

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Pendant Dim. (mm)

Pendant Playback

Multi Tasking

Concurrent I/O Ladder

Scavenging Control

Buttons

Fieldbus

Ethernet E-Stop

Safety

MOTOMAN ROBOTICS

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