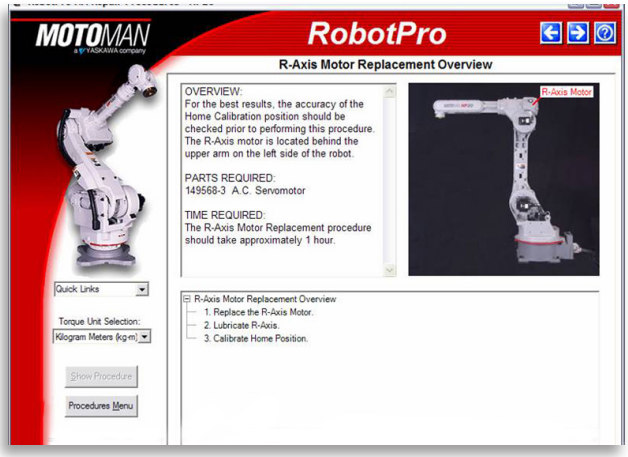
RobotPro NX

PC-based Robot Maintenance Package



Key Benefits

Quickly identify problems through troubleshooting

Ability to repair robots with minimal training

Maintain robots to minimize downtime

Minimum System Requirements

IBM-compatible Pentium III

256 MB RAM

>100 MB

16-bit color

Mouse

Windows® 10 or 7

Compatibility

NX100 controller

- Optimize your robot's uptime and minimize repair costs with RobotPro NX, a PC-based expert maintenance system with an easy-to-use graphical user interface.
- RobotPro NX features effective step by-step instructions for maintenance, troubleshooting and repair. It is tailored to specific robot and controller models.
- This comprehensive support tool includes:
  - A preventive maintenance schedule with links to procedures
  - Interactive troubleshooting to quickly pinpoint cause of problem through a series of questions
  - Descriptive test and repair procedures with illustrative graphics
  - Easy access to wiring diagrams, spare parts lists
  - Illustrated parts lists (not available for all models)

Troubleshooting

- Immediate access to:
  - Wiring diagrams
  - Proper voltages
  - Component locations
  - Adjustment procedures
- Question/answer procedure – Approximately 50 percent of industrial downtime can be attributed to the troubleshooting process. RobotPro prompts you through a question/answer procedure to identify the cause of an alarm or error.
- Cause of problem – Once enough information is collected, RobotPro will display the cause of the problem and procedure(s) to correct it. Motoman's own field service representatives use these features to diagnose errors and alarms.

Simplify Repair Procedures

- Examples:
  - Motor replacement
  - Drive unit replacement
  - Encoder reset
  - Servo pack replacement
- RoboPro provides you with proper steps and detailed instructions to correct the problem. Part drawings, diagrams, schematic wiring drawings, parts lists, or photographs are accessible using hyperlinks. Easy-to-read color images are included.
- Since RobotPro is portable, you can easily use the software on a laptop near the robot to locate, review, and use recommended repair procedures.

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Maintenance Schedule

- Life cycle information –
  Specific preventive maintenance details are provided in a procedural format that covers daily inspection tasks through 36,000 operating hours.
- Checklists –
  Procedures for robot and controller configuration, including slide show graphics, links to exploded parts diagrams, configuration tables and spare parts lists.
- Maintenance records –
  Technicians can record maintenance activity performed on individual robot cells.

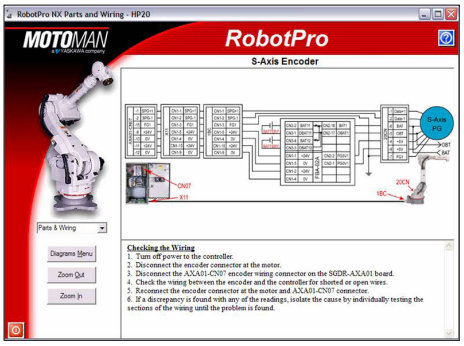
Preventive Maintenance

- Examples:
  - Lubricate robot axes
  - Inspect robot and controller
  - Replace wiring harness
  - Replace battery in controller
- Illustrated parts list –
  Provides ability to locate specific parts and part numbers. A maintenance schedule is available with detailed items for both the robot and the controller.
- Detailed procedures –
  Proper preventive maintenance will maximize the robot's uptime and production. RobotPro's detailed procedures and illustrations will simplify maintenance to ensure that the robot remains in peak operating condition.

AVAILABLE MODELS

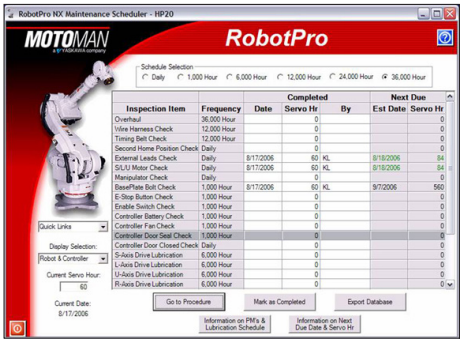
EA1400N	HP6**	EPL160	EPL80
EA1900N	HP3*	HP20-6	SSA2000
ES165N	ES200N	HP165	IA20
HP20	HP50	HP50-20	

* Includes NX100, NXM100, and NXC100 controllers.
** Includes NX100 and NXM100 controllers

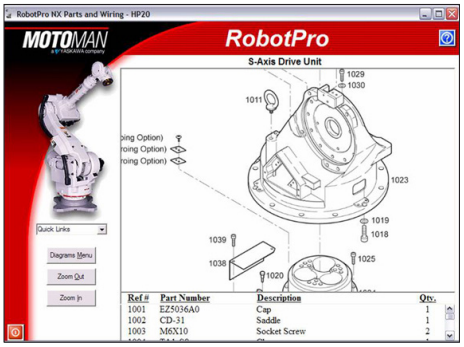


Wiring Diagram

Troubleshooting Q&A



Maintenance Records



Illistrated Parts List

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