

Robotic Maintenance Services

Preventive Maintenance and Robot Evaluation



Basic Description

Camtech Manufacturing Solutions offers robot maintenance programs which promote customer productivity. Our mission is to participate in a “Partnership of Performance” by offering maintenance services that preserve the reliability of your FANUC robot.

CAMTECH Manufacturing Solutions offers:

- Preventive Maintenance services for routine robot maintenance. All services are comprehensive and designed to meet each robot’s maintenance specifications
- Preventive Maintenance contracts customized to match your requirements
- Robot Evaluation services to identify potential failures which otherwise may have gone undetected by routine inspection

- Customers can access and track their robots online within the “My Robot” section of the cRc website. This feature includes an automatic email reminder when your robot(s) are due for their next Preventive Maintenance Service

Preventive Maintenance

Features

- Complete turnkey service (labor and materials)
- Complete grease purging of each axis, including balancer(s), racks and bearings*
- Accurate metering on grease replacement to project against over pressure and seal damage
- Replace batteries in controller to prevent loss of software
- Replace batteries in robot to keep the robot positional data
- Replace filters on controllers to provide proper ventilation and heat dissipation*

- Complete backup of system software and user programs provided on PC media*
- Check mastering witness marks
- PM reminder labels added to robot controller
- Check for motor brake slippage
- Robot cable inspection when accessible
- Teach Pendant/Cable inspection
- Inspect robot connection cables if accessible
- Mechanical unit inspection (Physical damage, excess backlash, abnormal vibration etc.)
- Robot controller inspection (Fans, heat exchangers, physical damage, etc.)
- Robot service assessment based on inspection results

*Note: May not apply to all robot models.

Options

- Auto lubrication systems
- Customized packages for older robots
- Robot Linear rail maintenance

Benefits

- Maintenance program tailored for each robot
- Increased robot longevity and reliability
- Reduced potential for breakdowns
- Reduced risk of start-up problems associated with non-OEM maintenance
- Data to support scheduling future maintenance work
- Accurate metering on grease replacement to protect against over pressure and seal damage

Robot Evaluation

Features

- Backlash testing of mechanical drives to determine if within manufacture specification
- Check for motor brake slippage
- Complete internal robot cable inspection
- Teach Pendant Cable inspection

- Identify potential robot repairs
- Inspect robot connection cables if accessible
- Mechanical unit inspection (Physical damage, abnormal vibration, balancer wear, etc.)
- Robot controller inspection (Fans, heat exchangers, physical damage, etc.)
- Validation of robot safety circuit functionality
- Comprehensive report including repair recommendations and robot performance

Benefits

- Identify potential failures before they result in unexpected downtime
- Improved maintenance efficiency
- Maximize robot uptime
- Defines future maintenance requirements



CAMTECH MANUFACTURING SOLUTIONS

190 E. Frog Hollow Road | Science Hill, KY 42553

P: 866.398.9081

www.camtechengineering.com