

Automation has a name.

**FANUC**

# ROBODRILL

## PREVENTIVE MAINTENANCE



**Preventive maintenance keeps your ROBODRILL performing at its best maximising uptime and reliability. All maintenance is carried out within an ISO 9001-certified quality management system and is completed with a detailed preventive maintenance report.**

Maintenance intervals are adapted to the customer-specific, operational requirements after consultation (approx. every 2,000 operating hours or 1x per year).

### **MACHINE (GENERAL)**

- Check tool change position
- Functional testing of protective and safety elements
- Check spindle motor fan (clean if necessary)
- Check / correction of the geometry in relation to the machine
- Replace filter mats on the control cabinet
- And more ...

### **CNC CONTROL**

- Backup
- Battery
- Condition check
- Fan check
- Servoguide quick condition check
- And more ...

### **SPINDLE & TOOL CHANGE**

- Measuring spindle concentricity
- Lubrication tool change mechanism
- Measure tool pull-in force
- And more ...



**If DDR is installed, we suggest to perform DDR-Preventive Maintenance at the same time\***

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\* Add-on, price not included in standard preventive maintenance



CNC SYSTEMS



ROBOTS



ROBODRILL



ROBOSHOT



ROBOCUT

# ROBODRILL PREVENTIVE MAINTENANCE

## CONTENT

- Check tool change position
- Functional testing of protective and safety elements
- Check internal machine lighting
- Check central lubrication (hoses, pump, distributor, function)
- Control/inspection/cleaning of the compressed air unit and dehumidifier
- Check/test of input voltage
- Check spindle motor fan
- Check/correction of the geometry in relation to the machine
- Control and adjustment of machine level as required
- Check operator door rollers and rubber bumpers
- Measure machine and table geometry
- Check guides and wipers in all axes for wear and damage
- Visual inspection of the LM guides in all axes
- Visual inspection of the ball screws in all axes
- Check tool gripper and grease
- Check gear wheel on spindle/WZW
- Lubrication tool change mechanism
- Fan Check CNC control and axis amplifier
- Check IKZ for tightness
- Visual inspection of the Z-axis cover
- Visual inspection of cables & cable guides for damage
- Replace filter mats on the control cabinet
- Check rubber buffers under axle covers for wear
- Replace pulse decoder batteries
- Replace CNC battery
- Measure tool pull-in force
- Measure spindle concentricity
- Data backup/backup
- Milling programs, NC parameters and PMC parameters
- Reset the maintenance counters in the maintenance screen
- Check servoguide quick condition
- (Annual) status report/PM report in line with latest DIN EN ISO 9001 norm
- Final discussion/consultation

## Spare Parts

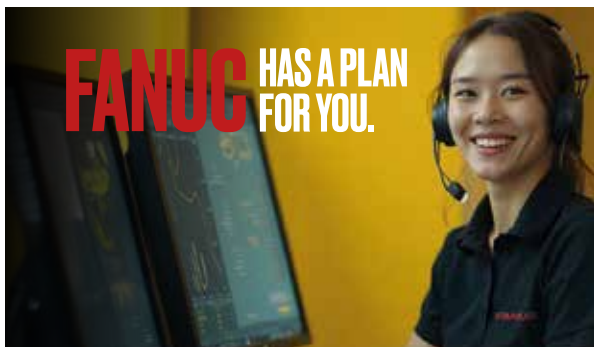
- Filter mats
- Battery CNC
- Pulsecoder batteries
- Grease
- CAM follower

## OPTIONAL

- Check spindle load

## Spare Parts

- O-Rings, V-Rings (DDR/DDR-T)



### More value with FANUC Plans.

This offering is also available as part of FANUC Plans: essential service coverage and premium features to support your ROBODRILL machine.

**Let's get you covered — find the Plan that suits you.**



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