

Automation has a name.

**FANUC**

# ROBOSHOT

## PREVENTIVE MAINTENANCE



**Preventive maintenance keeps your ROBOSHOT 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)**

- Safety devices, emergency stop, door switch
- Function and condition of the fans on the amplifier, motors and control cabinet
- Visual inspection of the mechanical components
- And more ...

### **INJECTION UNIT**

- Lubrication
- Temperature optimisation of the heating bands
- And more ...

### **CNC CONTROL**

- Backup
- Battery
- Touch screen check & calibration
- Fan check
- And more ...

### **CLAMPING UNIT**

- Check toothed belt for damage and measure belt tension
- Lubrication
- And more ...



CNC SYSTEMS



ROBOTS



ROBODRILL



ROBOSHOT



ROBOCUT

# ROBOSHOT PREVENTIVE MAINTENANCE

## CONTENT

- Check toothed belt for damage and measure belt tension, adjust if necessary
- Touch screen check and calibration
- Check and adjust the levelling
- Nozzle center
- Input voltage
- Zero points
- Torque ejector
- Damage to covers and safety doors
- Safety devices, emergency stop, door switch,
- Visual inspection of the mechanical components of the injection unit, ejector and clamping unit (ball screws, guides, toggle levers, bolts, screw connections, gear wheels, tie bars)
- Mechanical check of ball screw conditions
- Moving all axes (acoustic testing of mechanical components)
- Axis end positions, travels, minimum / maximum mould installation height
- Function and condition of the fans on the amplifier, motors and control cabinet
- General condition of the control cabinet components CNC, amplifier, contactors, circuit boards, wiring (cables), connectors
- Carry out central lubrication and check damage to lubrication points
- Tightness, hold and colour change at connections of the central lubrication system
- Lubricate lubrication nipples for clamping and injection unit manually and check wear on components
- Remove any excess grease
- Temperature optimisation of the heating bands
- Replace pulse decoder and CNC battery
- Check battery voltage
- Check and clean filter mats
- Replace filter mats
- Dry-run, auto emptying syringes, mould height adjustment
- Data backup/Backup
- (Annual) status report/PM report in line with latest DIN EN ISO 9001 norm
- Final discussion/Consultation

## Spare parts

- Pulsecoder batteries
- Filter mats
- Battery CNC
- Grease
- Grease Cartridge

## OPTIONAL

- Software update
- Tightness and flow of the cooling circuit for the feed zone and actual temperature
- Option of Servo Guide to improve Servo Motor lifetime

**FANUC HAS A PLAN FOR YOU.**



### More value with FANUC Plans.

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

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



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