

# INJECTION MOLDING MACHINE INSPECTION CHECKLIST

## GENERAL INFORMATION

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Location: \_\_\_\_\_

### Hydraulic System

- Yes  No — Fluid levels are within normal operating range
- Yes  No — Hoses and fittings are free of leaks and wear
- Yes  No — Pump pressure is stable and within specifications
- Yes  No — Filters are clean and functioning properly

### Heating & Cooling

- Yes  No — Heater bands are secure and operating correctly
- Yes  No — Thermocouples are accurately reading temperatures
- Yes  No — Cooling water lines are clear and free of leaks
- Yes  No — Chiller unit is maintaining set temperatures

### Clamping & Injection Units

- Yes  No — Tie bars are lubricated and free of scoring
- Yes  No — Platen moves smoothly without abnormal noise

Yes  No — Screw and barrel show no signs of excessive wear

Yes  No — Injection pressure and speed are consistent

### Safety & Controls

Yes  No — Emergency stop buttons are fully operational

Yes  No — Safety gates and interlocks function correctly

Yes  No — Control panel display is clear and responsive

Yes  No — Warning lights and alarms are working properly

### FINAL NOTES

Inspector Comments:

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Inspector Name: \_\_\_\_\_

Inspector Email: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

I confirm this inspection was completed accurately