

~Injection Molding Machine Maintenance Services~

Preventive Maintenance for Injection Molding Machines

To ensure our customers can use UBE injection molding machines safely and securely, we offer a variety of maintenance service menus.

In this issue, we introduce **the importance of “Wear Inspection of Sliding Components in Injection Molding Machines.”**

➤ **Purpose of Wear Inspection**

Injection molding machines contain numerous sliding components such as tie bar bushings, guide bushings, slides, linear guides, crossheads, screw bearings, and more.

Wear inspections of these components help reduce the following major risks:

➤ **Risks Caused by Wear**

1. Reduced Operational Stability

- Wear in sliding components causes variations in sliding resistance, leading to unstable machine movements.

2. Unexpected Failures and Machine Damage

- Neglecting wear can lead to severe and prolonged machine downtime.

3. Shortened Equipment Life (Higher Maintenance Costs)

- If wear is detected early, replacing small parts is sufficient and inexpensive.
- If wear progresses significantly, it may affect the positioning accuracy of surrounding components, resulting in costly large-scale overhauls.

4. Deterioration of Energy Efficiency

- As wear progresses, sliding resistance increases.
- This leads to unnecessary motor loads and excessive hydraulic compensation, increasing power consumption and ultimately raising running costs.

➤ **Importance of Wear Inspection**

As preventive maintenance, sliding-component wear inspections play an extremely important role in stabilizing product quality and extending equipment life.

Regular inspections can reduce defects, prevent unexpected failures, and lower repair costs.

Through regular inspection and replacement, equipment life can be extended and unexpected breakdowns can be prevented in advance.

We offer a wide variety of maintenance services. If you have any questions or concerns, please feel free to contact your nearest UBE office or service center.
You can also contact us via the “Inquiry Page” on our website.

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