

Inspection of your Bühler Die Casting Machine.

Series CARAT 105-440.



**Inspection of your Bühler die casting machine
to ensure higher machine uptime.**

Optimizing your die casting machine.

To fulfill productivity expectations, die casting systems must work smoothly. Usage is associated with wear. Early detection of potential sources of trouble and their elimination are crucial aspects for ensuring high system uptime.

The inspections performed by Bühler take this requirement into account. With its extensive program of condition and performance checks of the mechanical, hydraulic and electric systems of your die casting machine plus detailed safety checks of personal protection devices, you can keep operating costs low and optimize the utilization of your system.

Overview of benefits:

- **Early diagnostics** for preventing wear and sources of errors
- **Enhanced operating reliability** through minimization of sources of errors
- **Assurance of casting quality** through checking and adjustment of the machine parameters
- **Efficient planning** of maintenance through systematic logging of the machine's history
- Substantial cost reductions through **higher machine uptime**

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	3000h Inspection	6000h Inspection
Inspection		
Checking scraper rings, grease nipple, proximity switches and the central lubrication system		x
Cleaning, checking and greasing the split nuts and tie bar grooves		x
Checking the die		x
Checking the clamping cylinder for tightness		x
Checking the drive unit		x
Checking the machine base		x
Checking the scrapers on the slide shoes and the height of the slide shoes		x
Cleaning, checking and greasing the tie bar thread	x	x
Checking the ejector	x	x
Checking the die closing cylinder for tightness	x	x
Checking the injection unit	x	x
Checking the heat exchanger	x	x
Checking the horizontal fastening elements	x	x
Checking the hydraulic hoses	x	x
Checking the protective devices	x	x
Checking the parts at the operator station and replacing the filter mat at the operator device	x	x
Checking the filter mat and the condensation drain at the cooling device	x	x
Checking the electrical installation wiring		x

	3000h Inspection	6000h Inspection
Scope of services		
Minimal downtime of the machine during inspection (in work hours); dependent upon on-site conditions	12	24
Written report on the condition of the machine and a list of actions	x	x

The inspection is performed by a Bühler service engineer.

For die casting machines with locking forces in excess of 18'000 kN, two service engineers are needed.

The machine must be in a condition ready for casting.

Prices upon request. We would be pleased to send you a detailed quotation.

Bühler AG

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