

Inspection of your Bühler die-casting machine.

Available for Evolution 26-84, 120 / 105-420
and Ecoline S (Pro) 34 – 84.



Optimizing your die-casting machine.

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

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.

Benefits for your foundry

- **Enhanced operating reliability** — prevent wear and sources of errors with our inspection
- **Assurance of casting quality** — through checking and adjustment of the machine parameters
- **Increase in efficiency** — plan maintenance through systematic logging of the machine's history
- **Increased Profitability** — Substantial cost reductions through higher machine uptime

Inspection of your Bühler die-casting machine.

	3000h Inspection	6000h Inspection
Inspection		
Checking driving motor		✓
Checking the height of the slide shoes		✓
Control / monitoring suction filter and partial-flow filter		✓
Checking the levelling elements		✓
Checking slide strips, height of slide plates		✓
Checking scraper rings columns		✓
Checking columns with movable and fixed plate and split nut		✓
Checking ejector quick-coupling, sliding plate		✓
Checking die clamping system		✓
Service flow controller		✓
Checking the installation wiring		✓
Checking the parts at the operator station	✓	✓
Checking the load on the columns	✓	✓
Checking the drive group and heat exchanger	✓	✓
Checking the horizontal fastening elements	✓	✓
Checking tank ventilation filters and hydraulic hoses	✓	✓
Checking the scrapers on the slide shoes	✓	✓
Checking and greasing the split nuts and tie bar thread	✓	✓
Checking the central lubrication system, Lockmat, ejectors and protective devices	✓	✓
Checking the die closing cylinder for tightness	✓	✓
Checking the injection unit, plunger seals, injection valve(s)	✓	✓
Checking the leakage oil in nitrogen bottles	✓	✓
Checking the filter mat and the condensation drain on the cooling device*	✓	✓
Checking the filter mat at the operator device*	✓	✓

* only for Evolution

	3000h Inspection	6000h Inspection
Scope of services		
Minimal downtime of the machine during inspection (in work hours); dependent upon on-site conditions	10	20
Written report on the condition of the machine and a list of actions	✓	✓

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.

Inspection for all other die-casting machine series available on request.

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