

Maintenance Checks of Your Bühler Die Casting Machine.

Customer Service
Die Casting

Ecoline series



Inspection of your Bühler die casting machine for increasing machine uptime.

Optimizing your die casting machine

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

The checks 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.

Added value

- 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

Maintenance Checks of Your Bühler Die Casting Machine.

Ecoline series

Checks	Short check	Semi-annual check	Annual check
Maintenance check			
Checking of tie bars and tie bar nuts			x
Leveling of the machine			x
Checking of the central lubrication system			x
Checking of the condition and performance of the mechanical and hydraulic systems, shot valves, Lockmat, cooling and filter systems, drive units			x
Safety checking of shot unit, die closing unit, safety fences, start key monitor, emergency OFF circuits, shot release, acknowledgement switch, fencing and paneling (points of crushing risk)			x
Checking of safety functions		x	x
Checking of accumulator charging		x	x
Testing of heat exchanger, of Lockmat pressure transducer, of shot unit pressure transducer		x	x
Checking of the sliding pads and the bed strips		x	x
Internal checking for leaks on the drive unit and the die closing unit		x	x
Diagnosis of the pump unit (including pump characteristic and proportional hydraulics) and diagnosis of shot unit	x	x	x
Checking of the condition and performance of Lockmat, sensor and actuator systems, and components of the control system	x	x	x
External checking for leaks on the drive unit and the die closing unit	x	x	x
Scope of services			
Downtime of the machine during maintenance checks (in work hours); dependent upon on-site conditions	4	8	12
Brief written report on the condition of the machine	x		
Detailed written report on the condition of the machine and creation of the spare parts list		x	x
Creation of an action plan with scheduled dates		x	x

The maintenance check is carried out by a Bühler service engineer.

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
Customer Service Die Casting
CH-9240 Uzwil, Switzerland
T +41 71 955 38 21 / -37 90
F +41 71 955 25 88
dc.retrofit@buhlergroup.com
www.buhlergroup.com

