



BARNES™
MOLDING SOLUTIONS

Barnes Molding Solutions is the expert cluster for molds, hot runners and controls for industrial plastic injection molding. Our brands Foboha, Männer, Synventive, Thermoplay, Priamus and Gammaflux are leaders in their field. We have a comprehensive and in-depth understanding of the automotive, medical, packaging and electronics industries. We support our customers with sophisticated and powerful technologies through to customized turnkey solutions.

barnesmoldingsolutions.com



2024/07 Technical Specifications subject to change.

männer®
SOLUTIONS FOR PLASTICS

Hot Runner Refurbishment Program

Maximize Uptime

Let the experts handle it.

Cleaning, check through optics, endoscopy, thermography. Measurement of the relevant components and seats, deflection and valve pin protrusion.

Return rapidly to peak performance.

Short throughput times for maintenance work due to pre-produced spare part components.
Time savings up to 70%.

Save time and money.

No unplanned downtime due to preventive maintenance.
No binding of the own capacity.

Synventive
molding solutions

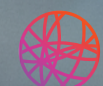
THERMOPLAY
hotrunner systems

männer®
SOLUTIONS FOR PLASTICS

FOBOHA

PRIAMUS

Gammaflux



BARNES™
MOLDING SOLUTIONS

Disassembly Cleaning → Analysis → Manufacturing of Spare Parts/ Repair → Assembly Performance Check → Report

Quote* → Planned Manufacturing of Spare Parts → Disassembly, Cleaning Repair, Analysis → Assembly Performance Check → Report

* Proposal for comprehensive refurbishment including spare parts plan

Up to 70% reduction in downtime through pre-ordering of spare parts!

Disassembly Cleaning

After disassembly, your hot runner system will be thoroughly and professionally cleaned.

In the **thermal cleaning oven** residues are completely removed and the surface is thoroughly cleaned.

We use the **ultrasonic bath** with a special cleaner for deep cleaning of all plates and pneumatic units.

Analysis

A precise analysis includes:

- Detailed measurement
- Optical wear inspection
- Optical and dimensional evaluation of the functionally relevant dimensions in the plates
- Additional options: Endoscopy of the melt channels, thermography of the manifolds, and measurement of plate deflection at set temperatures



Manufacturing of Spare Parts

Increase the operating time of your systems through proactive planning. We manufacture spare parts in advance according to the recommendations of our experts. This ensures that your hot runner system is quickly operational again during scheduled refurbishments.



Maximize Uptime

Hot Runner Refurbishment Program



Assembly Performance Check

During and after assembly, we conduct comprehensive tests:

- Functionally relevant installation dimensions
- Electrical function testing
- Pneumatic testing
- Pressure testing of the cooling system
- Optionally, we offer measurement of valve pin protrusion



Report

The analysis and final report includes all investigation results, image documentation, electrical test report, optimization possibilities, and conclusion.



Renewal of
Warranty



* Upon full commissioning of all spare parts and repairs as per the offer.