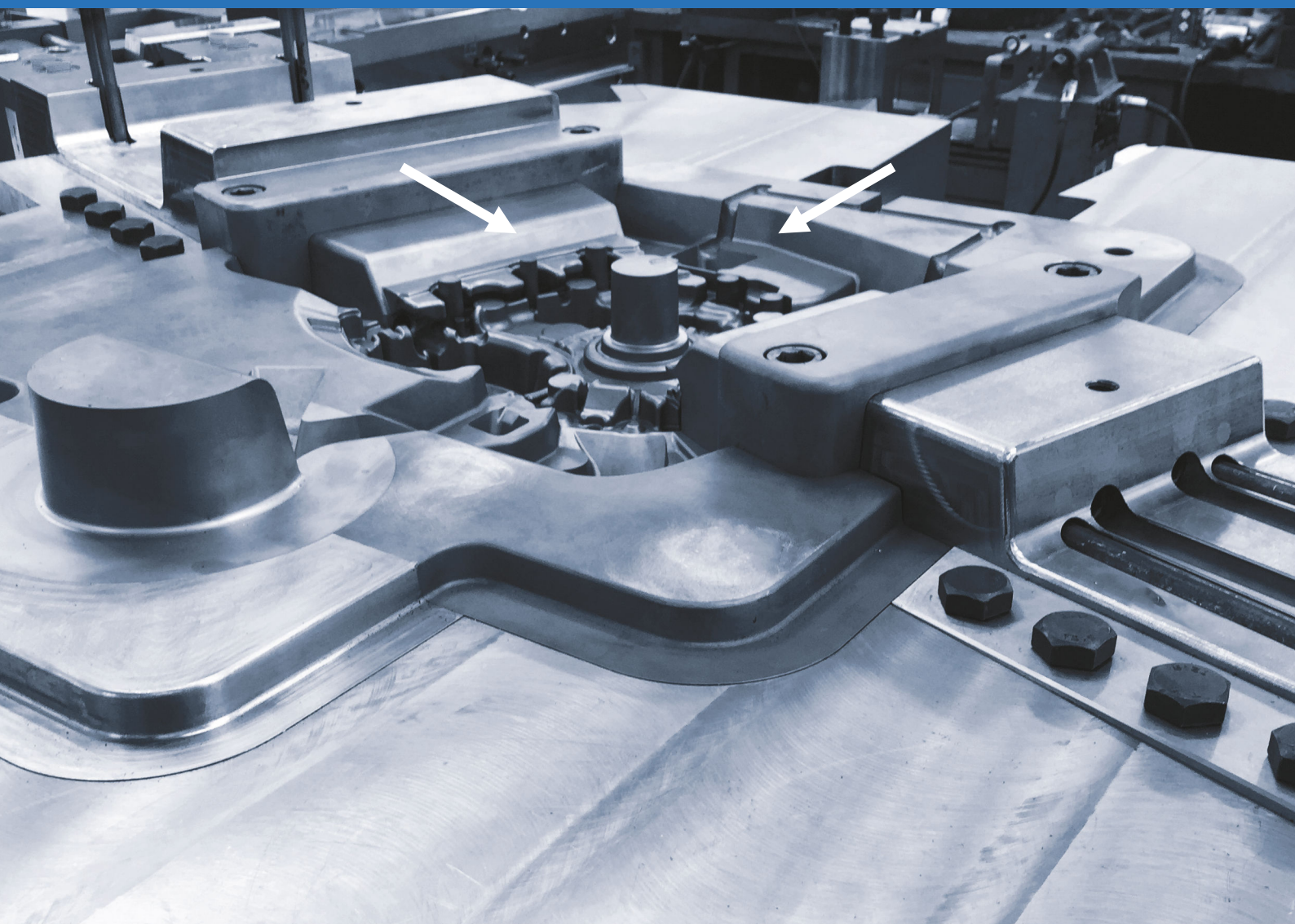




# **INFO SHEET PROCESS-RELIABLE SPRAYING TECHNOLOGY**

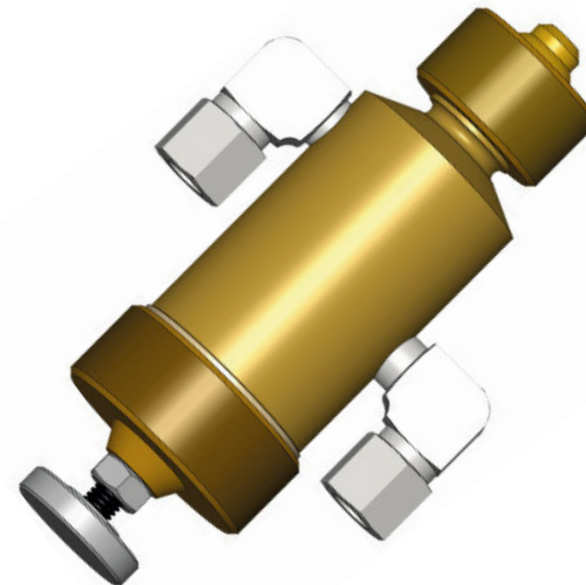


# INFO SHEET

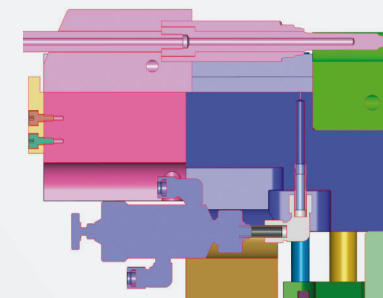
## PROCESS-RELIABLE

## SPRAYING TECHNOLOGY

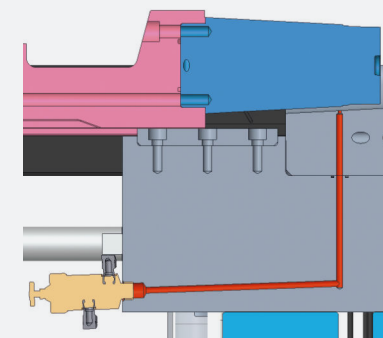
### SOLUTIONS FOLLOWING CONNECTION TO EXISTING SPRAY SYSTEM OF THE DIE CASTING MACHINE



Spray nozzle with air and coolant connection, controlled and supplied via machine-side spray unit



Spray medium supplied through piping



Spray medium supplied through drilled channels

### PROBLEM

When spraying with spray bars, release agent may not be applied to parts of the mold, especially the undersides of slide surfaces and cores. This can cause aluminum melt to stick. It can also have negative effects on the temperature profile at the mold contour.

### EFFECTS

Generally, this leads to problems in quality, as well a greater number of rejected cast parts. This means an increased workload due to more frequent maintenance work being required on the die casting mold.

Due to the high level of wear, there is increased financial outlay for the additional spare parts required. The resulting machine downtime leads to increased costs and possible bottlenecks in delivery to the customer.

### HOW TO SOLVE THE PROBLEM

The implementation of a process-reliable spraying technology for the above-mentioned areas. This is achieved by using different spray nozzles and/or complete systems from different suppliers, taking into account existing technology.

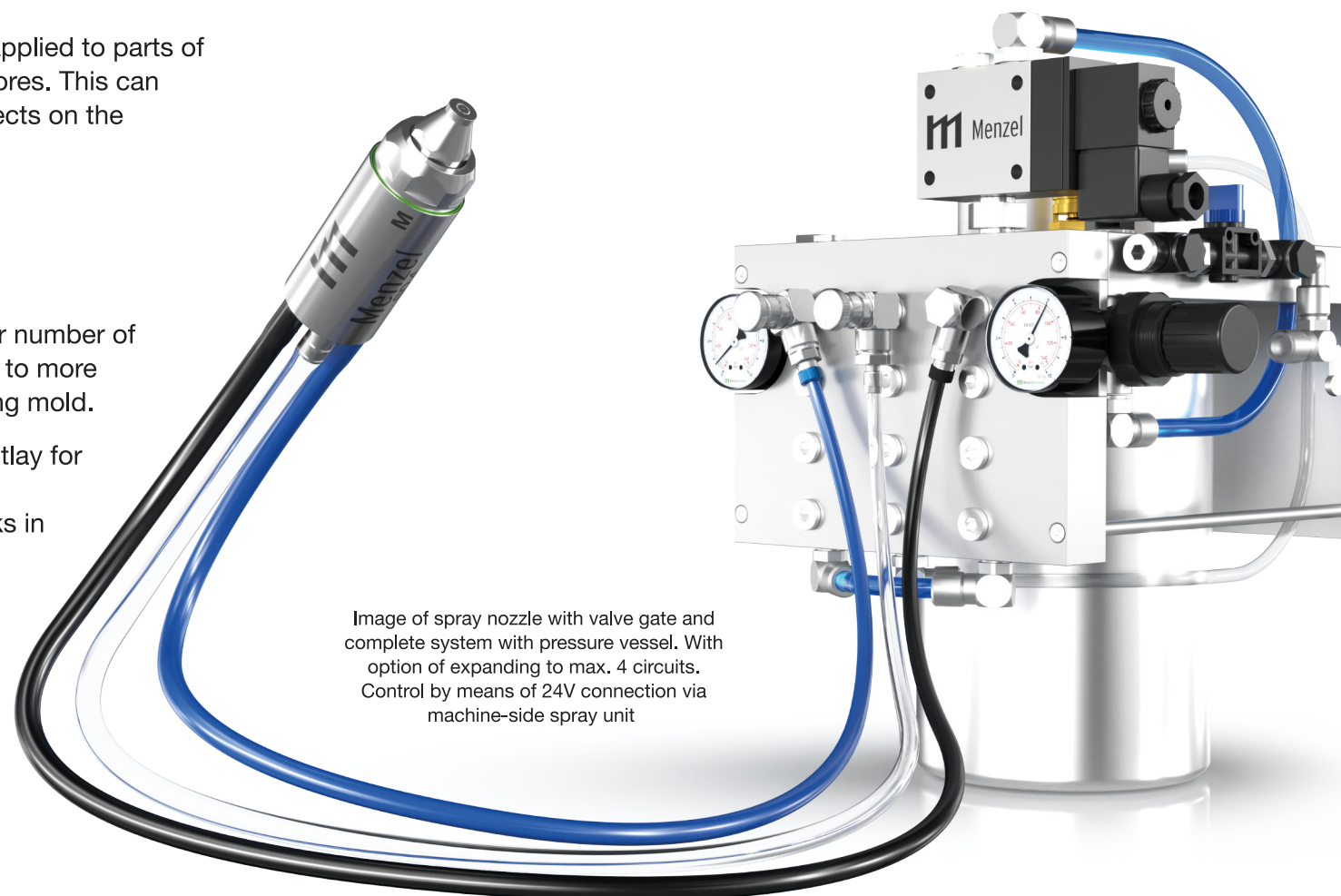
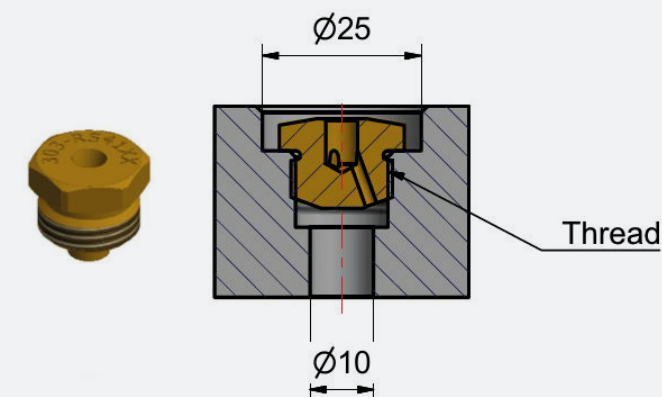


Image of spray nozzle with valve gate and complete system with pressure vessel. With option of expanding to max. 4 circuits. Control by means of 24V connection via machine-side spray unit

### SOLUTION IN THE FORM OF A COMPLETE SYSTEM

Individual spray patterns are possible by using the different nozzles of the system. The valve gate prevents the nozzle opening from sticking, thus increasing process reliability. The option of connecting several nozzles in parallel makes it possible to cover larger mold sections.



Possible to use systems from different manufacturers. We would be happy to tell you more in an individual meeting.



**ZETTERER PRÄZISION GMBH**

**Plant I:** Venetianerstraße 6 • 91154 Roth / Unterheckenhofen

**Plant II:** Meckenloher Straße 9 • 91126 Rednitzhembach

**Plant III:** Strada Poienelor Nr. 5 • Parcul Industrial "Roman" Braşov • 500419 Braşov, Romania

**Telephone:** +49 (0)9171 83999-0

**Telefax:** +49 (0)9171 83999-99

[mail@zetterer.com](mailto:mail@zetterer.com)

[zetterer.com](http://zetterer.com)