

MULTI-TALENTS

Vacuum Casting Equipment by HEDRICH.

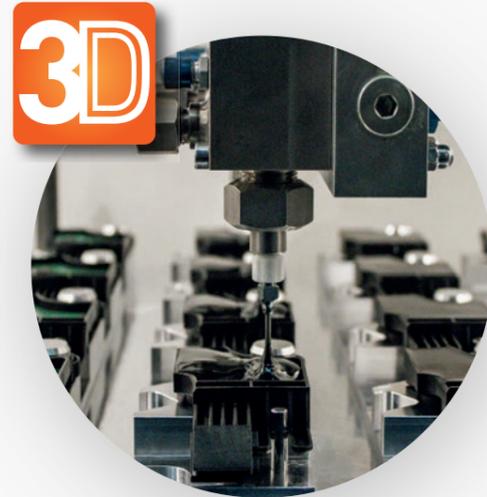
TOP
EXPERT
SOLUTIONS

Setting the pace in vacuum
equipment engineering.

→ **VERY CLOSE TO THE COMPONENT**

The HEDRICH 3D casting system provides **highest flexibility in production** irrespective of height, width or geometrically variable part sizes.

The casting nozzles are moved to the component and not vice versa. The up-to-the-rim filled parts are moved as little as possible to avoid spilling of the casting compound. Simultaneous movement of casting nozzles and pallets **optimizes the casting process, thus minimizing the cycle times.**



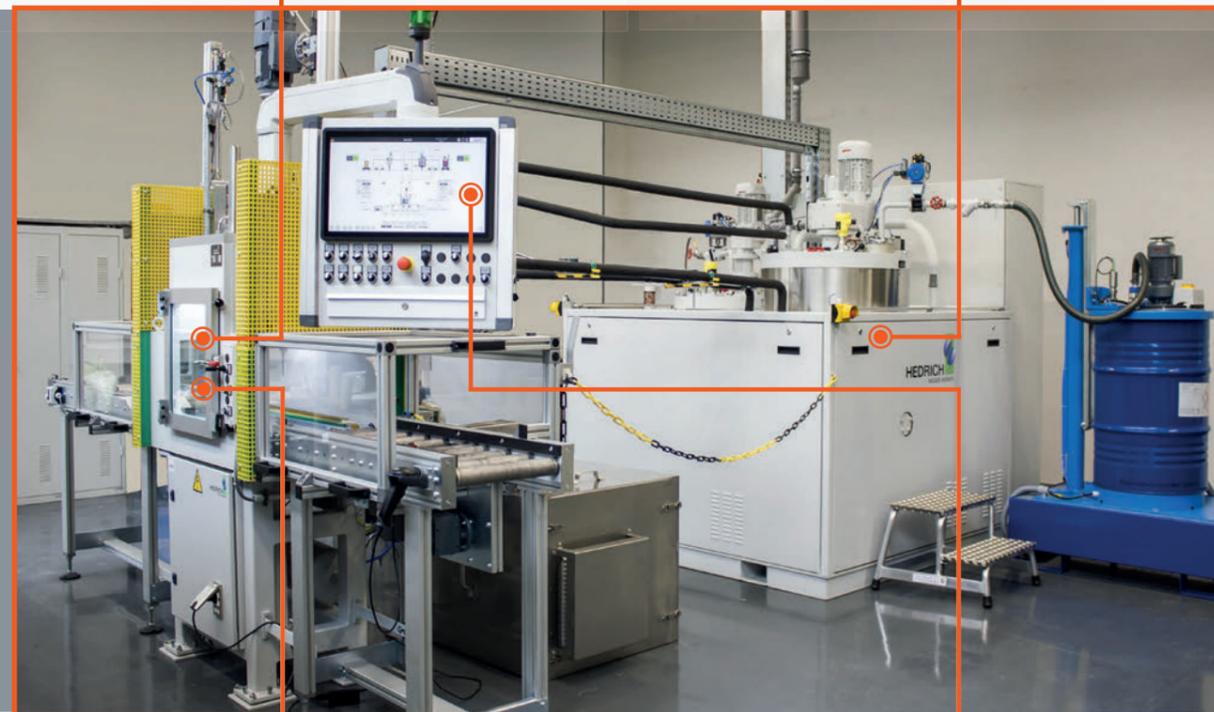
→ **FAULTLESS DOSING**

Most dosing supervision systems only detect a fault in the filling quantity during casting, thus generating unnecessary waste by casting errors. The new **HEDRICH PreCHECK™** system, however, recognizes improper dosing of the cast resin components **yet before casting.** Therefore, waste is avoided.

MULTI-TALENTS FOR ELECTRONIC APPLICATIONS

HEDRICH develops special casting equipment for the **highly precise potting of electronic components under vacuum.**

These vacuum shot dosing systems are, amongst other applications, dedicated to casting **automotive ignition coils, sensors or small transformers.** The partially or fully automatic equipment can either be employed as stand-alone solution or supplied as complete line including continuous tunnel ovens and plasma treatment..



→ **UNBEATABLE IN COOPERATION**

Christian Müller | Senior Technologist MTM Power

We have had quite complex ideas on what an optimum manufacturing of our products should look like. Many solutions by various suppliers were only covering some part of our requirements though.

HEDRICH's vacuum casting equipment was the only model that considered all our requests and could be realized optimally together. With this investment, we have obtained a real multi-talent for us and are delighted to see its efficient utilization every day.



→ **INCLINED**

If the component geometry requires – possibly due to undercuts or tiny gaps underneath the circuit boards – an **inclined position for casting**, HEDRICH provides an optimum solution:

The components can be positioned below the casting nozzles at an **infinite tilt angle** during casting, thus enabling the material to reach into the smallest gap. This will effectively avoid shrink holes and voids.



→ **SELECTING AND DESELECTING WITH CASTSELECT**

Providing maximum variability in loading parts carriers is what the function **CASTSELECT** is dedicated to. Every casting position on the carrier with parts can be freely selected or deselected for casting. This allows the operator to respond **flexibly to changed production conditions**, e.g. by skipping carrier spots, which are not loaded with parts, or by deselecting any wrong or faulty components.

The **CASTSELECT** function can be controlled via a camera system as well.



Make a date now!

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