



DIGITAL PRECISION SHOT

HEDRICH Vacuum Shot Dosing Equipment

**NEW: 4.0 Platform HEDRICH COPRA Center -
Process Reliability Newly Defined.**

Highly precise vacuum casting processes using the most advanced HEDRICH shot dosing equipment for cast resin. Innovative technology fulfils all customers preferences, even when it comes to micro dosing. Whether partially or fully automatic systems, stand-alone solutions or complete lines, new equipment, retrofit or service – the HEDRICH product portfolio has many options to choose. **Wide range of application:** manufacturing of sensors, small transformers, ignition coils and many more. Just see for yourself!

HEDRICH COPRA CENTER

There it is, the **new digital industry 4.0 solution** by HEDRICH! The intelligent software controls the production, signalizes disturbances and offers additional transparency as well as possibilities for intervention. Check your HEDRICH vacuum shot dosing equipment all day and night, while travelling or from your desk. Define performance parameters which are most important and configure your personal **PMC**-(Productivity **M**obile **C**ontrolling) App. The App will adjust individually to the screen size of your output facility, whether it is Smartphone, tablet or PC.

→ **Your benefit:**
Maximum productivity and highest process reliability!



ADVANTAGES OF THE VACUUM SHOT DOSING EQUIPMENT

- Highest flexibility by 3D positioning system
- PreCHECK™ filling and pressure test of the dosing already before casting
- Full-ceramic dosing pistons with longest service life
- 3-chamber vacuum casting tank for maximum productivity
- Inside or downstream TopOff casting with automatic measurement of the cast resin compound level
- Casting of cast resins with abrasive fillers
- **NEW:** Mobile process supervision and evaluation by means of PMC App via the HEDRICH COPRA Center (Cockpit for Productivity increasing and Ressource saving Applications)

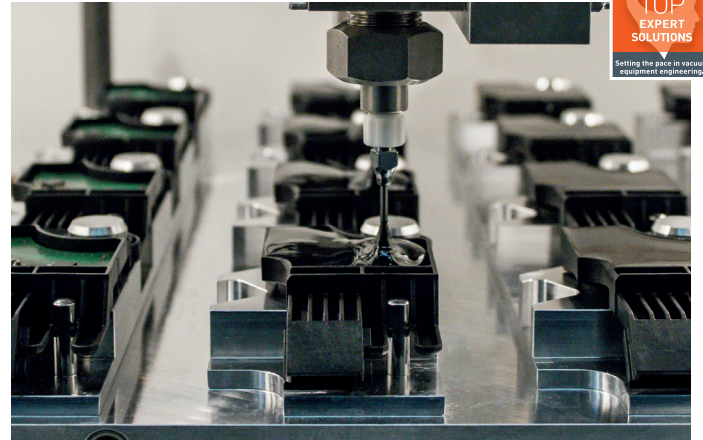
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Further information:
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MAXIMUM FLEXIBILITY

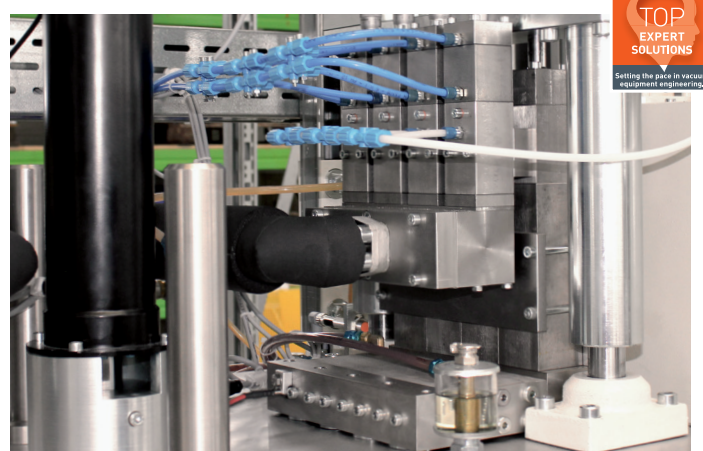
The **HEDRICH 3D positioning system** was developed especially to provide highest flexibility in production: granting most precise casting processes irrespective of height, width or other properties of the produced unit. The three-dimensional movement of casting nozzles and pallets is simultaneous, thus maximizing the productivity of the casting process and minimizing production intervals. Produced units are moved carefully to avoid spilling of the casting compound even when these units are filled to the top.



FAULTLESS DOSING

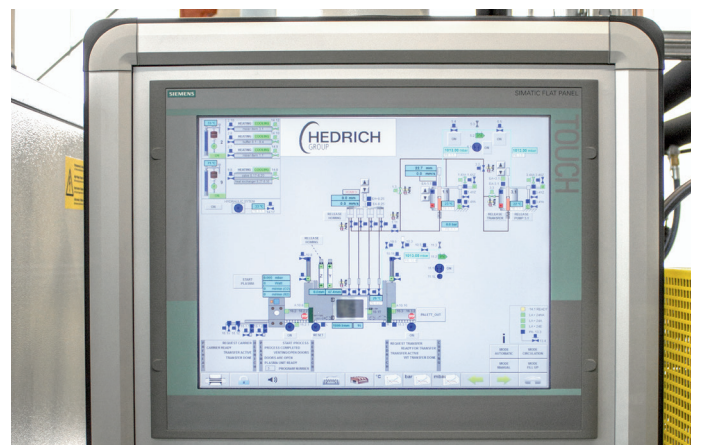
While most dosing supervision systems would only detect faults during or after casting, the new **HEDRICH Pre-CHECK™ system** was developed.

This sophisticated function recognizes any improper dosing condition of the cast resin components **yet before casting**. Thus discovering faults in the filling amount in time and avoiding dosing errors that involve unnecessary waste and extra costs.



EXTREMELY ROBUST

The casting nozzles of all HEDRICH shot dosing systems are, as standard, provided with ceramic-made closing pistons; they are extremely wear-resistant, granting very long service life with a highly precise and drip-free casting.



DETAILED PROTOCOL

To increase the process quality assurance, all component-specific casting parameters are stored in a database system, enabling a detailed retraceability of each cast component.

APPLICATIONS

- Ignition coils
- Sensors
- Electronic small parts
- Small transformers
- Electric motors

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