

TOP EXPERT SOLUTIONS

With our innovations and solutions we create additional benefits to our customers. Additional benefits for more efficiency, more effectivity, more equipment availability, more profitability and more environment protection. We call this TOP expert solutions – and these are only available from HEDRICH.

- 01 MORE TECHNOLOGY Always the optimum solution for your demands on an efficient vacuum process.
- 02 MORE INNOVATIONS For more process safety and a high reliability in the equipment availability.
- 03 MORE SERVICE 24-h availability on 365 days per year as well as service packages with variable scope.
- 04 MORE COMPETENCE From highly filled to unfilled cast resin systems and the oil/paper sector to highly viscous silicones.
- 05 IMPROVED PERFORMANCE Performance enhancement in the equipment technology by best fitting processes.
- 06 MORE CONTROL Industrial 4.0 enabled equipment control and monitoring system with intuitive touch gesture control and animated component presentation.
- 07 MORE ENERGY EFFICIENCY **NEW:** Optimisation of energy consumption for energy savings up to 70 %.

Our daily motivation is the passion for innovation and first-class quality. To achieve this aim we rely on the know-how, the creativity and experience of our engineers who develop key products in cooperation with our customers – real TOP expert solutions that are characterised by functionality, precision and quality.

➔ **Request now: HEDRICH product and service brochure**

Detailed information about all other HEDRICH TOP expert solutions are contained in our current product and service brochure. Request now at: hedrich@hedrich.com



HEDRICH GROUP
 Greifenthaler Straße 28 | 35630 Ehringshausen-Katzenfurt | Germany
 T +49 6449 929-0 | F +49 6449 929-149 | hedrich@hedrich.com

Further information
 ➔ www.hedrich.com

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PROGRESS
 is feasible.



PROGRESS MAKERS
 Innovations 2016.



Impressively **NEW**
FROM HEDRICH
UNIQUE



Cast resin equipment with MTB technology

The new MTB technology is suitable for all liquid and solid resin systems, highly abrasive fillers as well as plastic and glass micro hollow spheres combining the individual process steps of pre-formulation, degassing and preparation in one assembly group. The double to triple formulating and preparation capacity ensures a practically unlimited casting process.

→ **The result:**
200 % productivity!



ADVANTAGES OF CAST RESIN EQUIPMENT WITH MTB TECHNOLOGY

- 50 % less space requirement thanks to ultra-compact construction with fewer components than comparable vacuum resin casting systems
- 30 % lower energy costs through efficient and exact preparation of the delivered volume as well as an "on-demand" system
- 25 % shorter commissioning times by faster erection
- 20 % lower maintenance requirements and approximately 30 % lower spare parts costs because of fewer mobile and stressed parts
- 10 % lower investment costs than comparable vacuum resin casting systems

Impressively **NEW**
FROM HEDRICH
LONG SERVICE LIFE



High-pressure dosing pump Gen2

The new generation of HEDRICH high-pressure dosing pumps allows to process filler portions in the cast resin matrix that have not been achieved before. The hydraulic drive already provides a linear movement as it is performed by the pump itself. This excludes the risk of inaccuracies. The low-wear design ensures very long lifetimes.

→ **Your advantage:**
Permanently precise dosing!

ADVANTAGES OF HIGH-PRESSURE DOSING PUMP GEN2

- Up to 80 % less wear compared with usually applied ceramic dosing pumps
- At least twice as long service life thanks to high-pressure technology
- 50 % higher dosing accuracy
- 50 % shorter machine downtimes
- 20 % less maintenance work and consequently significantly fewer production interruptions
- Specially developed for highly filled and highly abrasive resin systems
- Particularly suitable for long pipe systems – especially for APG applications

Impressively **NEW**
FROM HEDRICH
ECONOMICAL



Vacuum nitrogen drying equipment

Through the use of nitrogen instead of air as heat transferring medium our new vacuum nitrogen drying systems operate under exclusion of oxygen. This allows higher temperatures, faster heating periods and an important reduction of the degree of depolymerisation of the insulation. At the same time considerably shorter drying times are achieved.

→ **Your benefit:**
More efficiency!



ADVANTAGES OF VACUUM NITROGEN DRYING EQUIPMENT

- 20 % higher drying temperatures at lower degree of depolymerisation – less aggressive to the insulating material
- 30 – 40 % shorter drying times compared with the vacuum hot air drying equipment
- 25 % lower energy costs
- Quality enhancement of the insulating material by the exclusion of oxygen
- Adaptive intermediate pressure reduction with dew point determination
- Modular retrofit as option

Impressively **NEW**
FROM HEDRICH
INNOVATIVE



PMC – Productivity Mobile Controlling via app

The absolute innovation in vacuum equipment construction: Productivity Mobile Controlling (PMC). This new app of HEDRICH gives you absolute process transparency – any time, any place. Configure your personal PMC cockpit with the most important performance parameters according to your requirements and control the occupancy of your equipment around the clock comfortably from your desk or while travelling. The app adapts individually

to the screen size of your output device, no matter whether smartphone, tablet or PC.

→ **Your benefit:**
Maximum productivity!



ADVANTAGES OF PRODUCTIVITY MOBILE CONTROLLING VIA APP

- 24/7 mobile process monitoring and evaluation for early detection and removal of quality changes and consequently less waste
- Comparison of periods and type-dependent casting quantities
- Comparison of consumed quantities (resin, hardener, filler etc.) – thus better planning and shorter downtimes
- Live alert function to display error messages of the equipment – in the office or mobile
- Easy integration into existing control systems
- Comparison of production quantities of same components to optimise the production planning and production flows
- Real time performance parameters