

Innovation based on tradition - for the Meier Group this maxim is day to day business.

To live up to it, internal research and development has always been the key factor to our and accordingly our customers success.

With the opening of the Meier Technology Center in Bocholt, Germany, we want to create a place for encounter and knowledge transfer to develop, together with our customers and partners, the best processes and test them under real life conditions.

With 500 sqm the Meier Technology Center offers numerous testing and production plants and well equipped conference and training rooms.

Our pilot plants



For product fields such as vacuum impregnation, vacuum drying, hot dipping technology, furnace technology and vapour phase technology we can provide reliable support in process development, component testing and trainings.

On our website you can find more information about the Meier Technology Center.

Facilities of the Meier Technology Center

Impregnation Plant

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|---------------|---|
| Volume: | Various facilities up to 20,000 l volume |
| Processes: | Dipping impregnation Vacuum pressure impregnation from 10^{-2} mbar to 10 bar Current and inductive heating of components Convective heating of components or actively through circulating air |
| Plant Safety: | Explosion protection according to 94/9/EC (ATEX): Ex II 2 G IIB T3 |

Vacuum equipment

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|--------------------------|---|
| Pumping speed: | 4-2000 m ³ / h (larger pumping speed on request) Various vacuum pumps and multi-stage vacuum pump systems |
| Ultimate total pressure: | up to 10^{-2} mbar (abs.) up to 10^{-4} mbar (abs.) in laboratory scale |
| Accessories: | Various capacitors and separators |

Transformer drying system according to the vapor phase method

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| Volume: | Suitable for drying objects up to 750 mm x 750 mm x 750 mm |
| Heating capacity: | up to 50 KW |
| Details: | Separation by distillation of solvent and waste oil |
| Plant safety: | Explosion protection according to 94/9/EC (ATEX): Ex II 2 G IIB T3 |

Drying and curing facilities

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|---------------------|--|
| Volume: | Various facilities to 23,700 l volume |
| Drying temperature: | up to 450°C |
| Types of drying: | Convection drying Recirculation convection drying Atmospheric or under vacuum up to 10^{-2} mbar (abs.) for stationary or moving objects by turning and rolling equipment Bulk material drying |
| Heating methods: | Indirect electrical (heating register) Direct electrical (Joule AC / DC, inductive low frequency heating, infrared) Natural gas Microwave Heat transfer oil |

Measuring technology / automation / visualization

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|-----------------------|--|
| Measuring technology: | Well established and new field devices from renowned manufacturers |
| Control technology: | Latest control technology with various interfaces |
| Data transfer: | BUS systems, HART protocol, Internet, etc. |
| Visualization: | State-of-art SCADA systems and HMI devices |
| Logging: | Recording, processing and archiving of process data |
| Energy Management: | Accurate determination and presentation of electrical consumption data |