

Safety, Responsible Care and Environment Protection

ESSENTIAL PARTS OF OUR EVERYDAY WORK

- Exhaust- and Waste Water Control
- Sustainable Production Processes
- REACH Compliance



ORGANICA®

Feinchemie GmbH Wolfen



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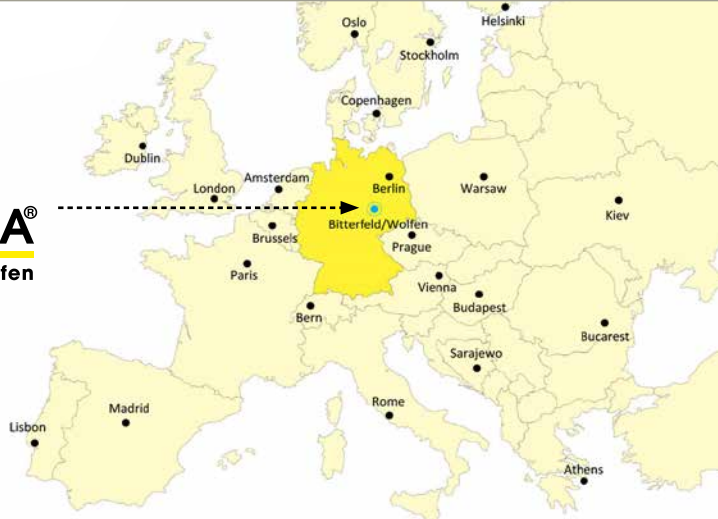
Contact us

Your Reliable Partner for Custom Synthesis

Fine Chemicals made in Germany

EQUIPMENT AND CAPABILITIES

ORGANICA®
Feinchemie GmbH Wolfen



ORGANICA – Your Reliable Partner for Custom Synthesis

TRADITION MEETS INNOVATION

Located right in the middle of Europe within the “Chemiepark Bitterfeld-Wolfen” in an area of long-lasting chemical tradition and excellent infrastructure, we are specialized in the fields of custom synthesis and contract manufacturing. ORGANICA was founded in 1995 with roots that go back to the beginning of the 20th century and is your experienced partner for the synthesis of high-quality fine chemicals. We combine our numerous laboratory and production processes with customer-oriented flexibility and absolute reliability as well as a high standard of science and technology. In this way, we can become for you what we already are for our customers: a consistently reliable partner.

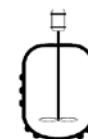


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1995

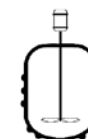
1910

1953



97 m³

Total Reactor Capacity



60

Reactors

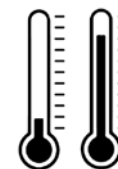


**75 L -
4.000 L**

Reactor Capacities



25 kg/a - 75 MT/a



-20 up to 230 °C



Procedures
for Intermediates and Products

Equipment Capabilities

A QUICK OVERVIEW

- 3 Fully Equipped R&D Laboratories
- Pilot / Multipurpose Plant
- 97 m³ Reactor Capacity in Total
- Glass-Lined and Stainless Steel Reactors
- Agitated Filters, Filter Press, Tray Dryers and Vacuum Tray Dryers
- Hastelloy Centrifuge and Dryer



Customized R&D

RESEARCH BASED ON YOUR REQUIREMENTS

- Project Development on a Lab-scale up to 2.5 L
- Process Development for Scaled-up Batch Production
- 2 L-Autoclave for Hydrogenations
- Calorimetric Measurements
- Process Optimisation and Trouble Shooting



3 R&D Laboratories
Fully Equipped



Specialist Teams
2 Chemists & 4 Lab Assistants

Analytical Test Methods

OUR QUALITY CONTROL DEPARTMENT

- GC, GC-MS, HPLC, UHPLC
- UV/Vis- + FT-IR-Spectroscopy
- Differential Scanning Calorimetry (DSC)
- Loss on Drying (Halogen, Vacuum)
- Color Number and Turbidity
- Titration (Automatically) and Water Titration (Karl-Fischer)



Quickness & Flexibility
Every Analysis in 24 h



External Partners
for NMR, ICP-OES, HS-GS



Over 50 completed Audits
Since 2010



Special Raw Materials and Conditions

HAZARDOUS CHEMICALS ARE OUR DAILY BUSINESS



- H_2S , CS_2
- NaN_3 , $POCl_3$
- $SOCl_2$, NH_3
- Metal Hydrides

- Hydrogenation
- Nitration (Oleum, HNO_3 conc.)
- High Pressure Reactions
- Hazardous Reactions
- ...

Selection of our 60 Reactors

MULTIPURPOSE EQUIPMENT

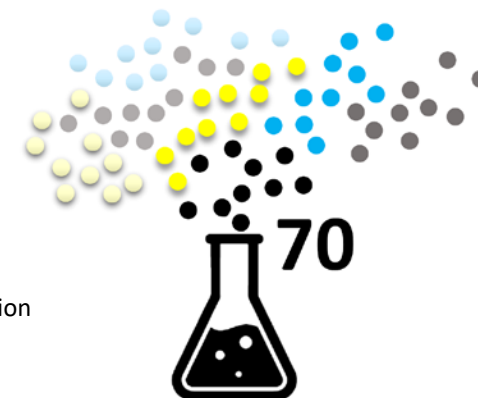
| Type/Use | Material | Capacity | Pressure | Temperature |
|-------------|-------------------------------|----------|---------------|----------------|
| Large Scale | Glass-Lined | 4000 L | atm | max. 170 °C |
| Small Scale | Glass-Lined | 75 L | atm | max. 170 °C |
| CS_2 | Stainless Steel | 630 L | atm | -10 to +80 °C |
| Low Temp. | Stainless Steel + Glass-Lined | 2500 L | atm to 5 mbar | -10 to +130 °C |
| | | 1600 L | atm to 3 mbar | -20 to +150 °C |
| | | 900 L | atm | -20 to +130 °C |
| | | 400 L | atm | -10 to +135 °C |
| High Temp. | Stainless Steel + Glass-Lined | 1600 L | atm to 3 mbar | max. 230 °C |
| | | 500 L | atm to 3 mbar | max. 230 °C |
| Autoclaves | Stainless Steel | 500 L | max. 50 bar | max. 130 °C |



Process Knowledge

MORE THAN 70 TYPES OF REACTION ON LARGE SCALE

- Condensation
 - Heterocycle Syntheses
 - Amidation
 - Halogenation
 - Amination
 - Nitration
 - Sulfonation
 - Acetylations
 - Reduction + Chiral Hydrogenation
 - Oxidation
 - Diazotation
 - Grignard Reactions
 - Friedel-Crafts Alkylations and Acylations
 - Heterogeneous and Homogeneous Catalysis
- ... for full scope go to www.organica.de



Reaction Types

