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**Micronizing  
Milling  
Cryogenic milling**

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**Mixing  
Coating with oil**

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**Sieving  
Packing and assembling**

## **ACU – Your expert for high-quality micronization**

[www.acu-pharma.com](http://www.acu-pharma.com)





Separately enclosed production facilities for your product safety

## About ACU

**For more than 30 years, ACU stands for high-quality contract micronization and contract milling. With state-of-the-art, quality-focused plant technology and comprehensive expertise, we produce premium powders and fine powders for our customers. The micronization and milling of a wide range of products and substance mixtures is our daily business—precise, reliable, and consistently at the highest level.**

### **Flexibility that delivers**

Thanks to a broad spectrum of equipment and various plant sizes, we reliably support you from pilot projects all the way to large-scale production orders. We are also happy to implement individual requirements—especially when your goals call for solutions outside standard processes.

Our plant technology can be adapted to the specific needs of your project. And if additional investments are required to expand our capabilities, the ACU team will always meet you with commitment and a true partnership approach.

### **Your strong partner for solid-material size reduction**

Our flexibility and solution-driven mindset form the foundation for a long-term and successful collaboration with you.

**Put us to the test—we look forward to your challenge!**

### What makes ACU special

- A unique quality concept for HACCP- and GMP-compliant fine milling
- High-grade micronization of technical materials – with consistently outstanding quality
- Uncompromising plant technology and well-designed production processes to meet the highest standards of quality and purity
- Over 30 years of experience in toll manufacturing and contract milling
- Unwavering customer focus driven by a highly specialized and dedicated team



Several methods for determining the particle sizes are available

## Range of services

### Contract manufacturing in the fields of

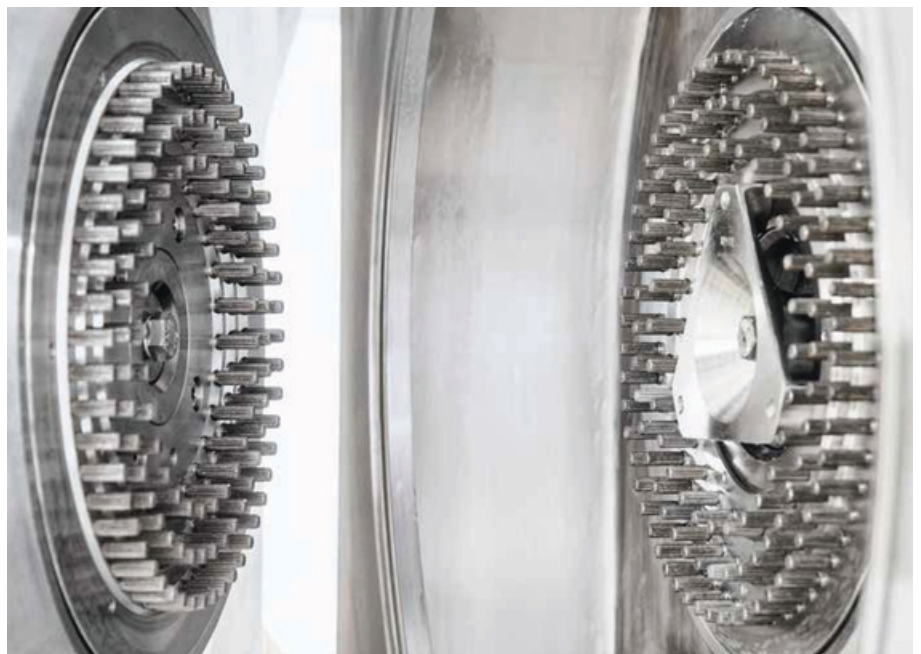
- Micronizing, milling, cryogenic milling and mixing
- Sieving and homogenizing
- Assembling (repackaging, secondary packaging, small packages)
- Bench scale tests, laboratory tests
- Individual solutions (from new product development to production)

### We process for you products in the fields of

- Pharma – e.g. additives and excipients
- Food, e.g. preservatives, spices, coffee, minerals, salts, waxes
- Cosmetics, e.g. additives, color pigments
- Chemical industry, e.g. specialty chemicals, plastics (automotive industry), building chemicals, catalysts

### Our plant technology

- Our plants from leading manufacturers are made of stainless steel and comply with the high HACCP standards. Production and filling activities are isolated and for added protection include locked rooms to ensure ultimate cleanliness and avoid cross-contamination.
- Pulverizing mills, e.g. fluidised bed opposed jet mills in different sizes, classifier mill, pin mill, cryogenic mill
- Mixers, sieving plants
- HACCP-compliant filling and dosing machine





## **Analytics & Quality**

### **We offer different methods to determine particle sizes.**

- Sieving analyses
- Particle size analysis with laser diffraction (Sympatec Helos BF, 0,1 to 875  $\mu\text{m}$ )

### **In cooperation with our customers we can customize analytical needs.**

- Density determination (bulk density, tapped density)
- HPLC analyses (Jasco HPLC UV/ VIS)  
We carry out HPLC analyses with UV/ VIS detection (normal phases and reversed phases).
- Titrations and incinerations

**Quality management, quality assurance, and continuous monitoring — carried out in close collaboration with our customers — are integral parts of our daily work.**

**They form the foundation for the reliability and consistency of our products.**

### **Our Certifications**

- FSSC 22000
- ISO 9001
- Regulation (EC) No. 834/2007 – Organic Certification
- Our production facility is halal certified.
- We also comply with additional standards such as IPEC GMP and kosher requirements.



Listen to your needs

1



Customer dialogue and feasibility check

2

- Recording of your requirements and special product properties
  - Quantity
  - Technical and Material Safety Data Sheet
  - Mohs-hardness
  - Particle size of raw material and finished good
  - Packaging



Proposal production processes

3

- Selection of a suitable type of mill
- Determination of process chain, e.g. mixing, milling, packing



Operating trial

4

- Milling in testing environment, e.g. small fluidised bed opposed jet mill, laboratory mixer
- Examining the results with you
  - Particle size
  - Packing



Upscaling of production processes

5

- Elaboration of quality concept
- Determination of quality parameters
- Sampling
- Specific processing instructions



Auditing by customer

6

- Audit by your quality team
- Determination of deviations
- Timetable for implementation of your quality requirements



Validation

7

- Process validation with realistic campaign quantities



Mutual contract generation

8

- Non-disclosure agreement
- Quality system
- EHS



Micronization

9

- Milling
- Mixing
- Packing



Quality control by ACU

10



Sampling

11



Creation of quality records according to your requirements

12



Quality and After Sales Service

14



Delivery

13

- Coordination of goods' availability with you
- Transport documents / Delivery note

## Creating the Perfect Solution for Your Production Process — Together

At ACU, we believe that the best solutions are created through partnership. That's why we work closely with you to develop customized concepts that elevate and streamline your production process. Your expectations are unique — and for us, they are the driving force behind every project.

Each collaboration begins with a personal conversation in which we listen carefully, understand your vision, and capture all relevant technical parameters. This deep understanding allows us to design a production and quality process that fits your needs with absolute precision.

With ACU, you gain more than a service provider — you gain a committed partner focused on delivering long-term reliability, trust, and measurable added value.

Your success is our mission.

## How we manage your project





## Outsourcing

### The key to greater flexibility, efficiency and cost reduction

A collaboration with ACU is recommended if you

- are looking for a specialist in micronization in the fields of Pharma, Food, Feed, Cosmetics or high-quality technical products
- are dealing with capacity shortfalls
- have reached technically orientated limits with your own plants
- are faced with investment vs. outsourcing decisions
- want to make product specific changes without additional capital expenditures (e.g. change of particle size distribution of a product)
- want your activities to be concentrated on selling

**ACU – your trusted partner for your production process!**



## Contact

**We are here for you.**

Let's talk about your project – together we will find the best solution.



### **ACU PHARMA und CHEMIE GmbH**

Am tiefen Graben 6  
99510 Apolda

 +49 (3644) 5058-0

 [info@acu-pharma.com](mailto:info@acu-pharma.com)

 [www.acu-pharma.com](http://www.acu-pharma.com)

 [www.linkedin.com](http://www.linkedin.com)

