

Excellence in Oral Solids



**Precision Manufacturing.
Scalable Solutions.**

Contract development and commercial supply of oral solids.



Reliable

Flexible

Collaborative

Proven

Integrated Oral Solid Solutions, Backed by Scale

Aenova is a leading, globally oriented CDMO that develops and manufactures oral solid dosage forms with precision, scientific depth, and capacity built for regional and global demand.

- 9 oral solids manufacturing sites and 5 development centers across Europe and the US
- >22 billion tablet and capsule capacity annually
- 170+ scientists and analysts dedicated to development services
- GMP manufacturing licensed for over 90 global markets
- Flawless inspection record with FDA, EU-GMP, ANVISA and more
- **Softgels:** For our comprehensive Softgel capabilities, please refer to our dedicated Softgels brochure



Development & Manufacturing

Manufacturing

Münster (Germany)

Pharmaceutical solids containing high potent & low dosed APIs: development, manufacturing and packaging

Gronau (Germany)

Competence center for conventional solid dosage forms and hub for clinical trial supply (including packaging & distribution)

Tittmoning (Germany)

High volume commercial production of solid dosage forms applying scalable and efficient solutions.

Marburg (Germany)

Manufacturing and packaging of sustained release and moisture-sensitive solid dosage forms, including narcotics

Regensburg (Germany)

Oncology & high potent solids development, manufacturing and packaging

Bad Aibling (Germany)

Packaging solutions and high-volume effervescent tablet production

Sisseln (Switzerland)

Development, commercial manufacturing and packaging of complex solid dosage forms (e.g. low-moisture and customized solutions)

Killorglin (Ireland)

Bulk modified release coated pellets, hard gelatin capsules and extraction/spray drying

Greensboro (USA)

North American distribution hub, packaging small to large lots of nutraceutical & pharmaceutical products in bottles and blisters

Oral Solids Services Designed for Impeccable Quality, Reliability and Speed

Development Services:

- Advanced formulation science
- Aenovation® fast-track program for early-phase milestones
- Bioavailability enhancement technologies such as spray drying, hot-melt extrusion, lipid based systems
- Clinical trial supply management
- Transparent collaboration from project kickoff to delivery

Manufacturing Services:

- Tablets: immediate, modified, and sustained release, bilayer, orally disintegrating (ODTs)
- Capsules, including microdosed and multiparticulates, pellets or minitablets in capsule
- Highly potent API handling (up to OEB 5), including hormones, immunosuppressants, cytostatics and cytotoxics
- From very high volumes to small runs: scalable commercial manufacturing and packaging

Structured project governance and real-time updates help you stay in control — no surprises, just progress.



Development to Commercialization

Formulation

Tablets, capsules, multiparticulates



Analytical Development

Method development, validation, testing & analysis (including stability)



Clinical Supply

GMP manufacturing and packaging



Commercial Supply

Small to high volume and high-potency capacity, packaging in blisters & bottles



A SMARTER APPROACH: SEMI-CONTINUOUS MANUFACTURING

High-Volume Tablet Production with Greater Efficiency

Aenova's semi-continuous manufacturing brings you high quality tablets at large scale.

Our advanced in-line concept offers the efficiency advantages of continuous manufacturing without the worry of reformulation or re-registration.

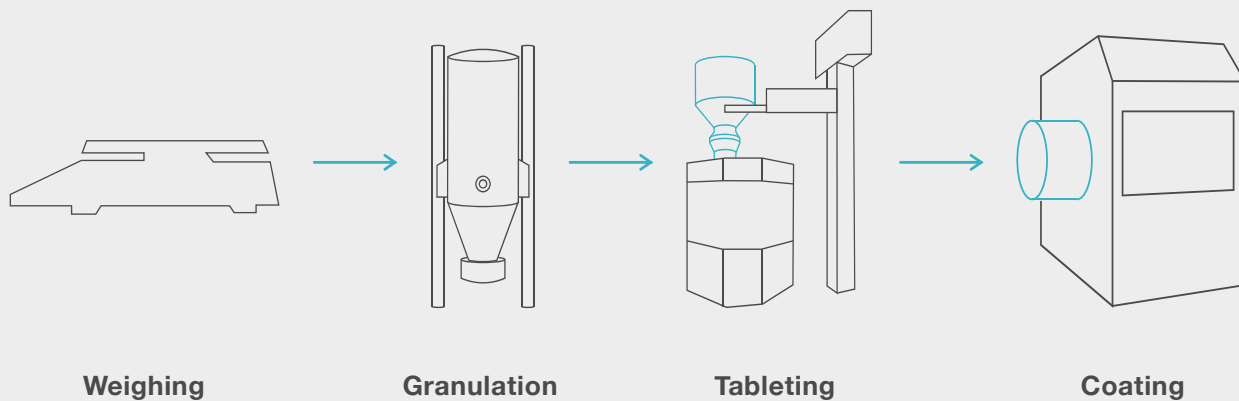
At our Center of Excellence in Tittmoning, we run four state-of-the-art production lines backed by more than 15 years of proven expertise. This semi-continuous setup delivers substantial capacity for both originator and generic high volume products, with fast and reliable tech transfers.

High-speed packaging lines complement our operations, ensuring a true full service solution for large-scale tablet production.

Key advantages:

- Batch size up to 3 tons
- 8-hour cycle time per batch
- 4x higher productivity
- 100% tech transfer success rate
- On-site integration with high-speed packaging for even greater efficiency
- Available space for additional manufacturing lines

Efficient Semi-Continuous Flow from Weighing to Coating








BUILT FOR COMPLEX REQUIREMENTS

Technical Depth Meets Operational Excellence

- High potent, hormone, and controlled substance capabilities
- Technologies to address formulation challenges and for special applications:
 - Bioavailability Enhancement: Hot melt extrusion, spray drying, lipid based systems
 - Multiparticulates
 - Orally dispersible tablets (ODTs)
- Full-service analytical development and validation
- Clinical trial supply including blinding, packaging, and distribution

Integrated teams with direct access to formulation scientists, analysts, and manufacturing experts ensure aligned objectives from day one.

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|------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CAPABILITIES | POWDERS & GRANULATES | TABLETS | HARD GEL CAPSULES | EFFERVESCENTS | SOFTGELS |
| Modified Release | • | • | • | | • |
| High Potent | • | • | • | | • |
| Controlled Substance | • | • | • | • | • |
| Orally Dispersible | | • | | | |
| Multiparticulates | | • | • | | |
| Bilayer | | • | | | |
| Low Dosing | | • | • | | • |
| Lipid based Systems & SMEDDS | | | | | • |



DESIGNING YOUR SUPPLY PATH TOGETHER

Start a Conversation That's Built Around Your Molecule

We work as an extension of your team — bringing clarity, responsiveness, and executional reliability. Whether you're looking to launch a new oral solid or to scale an established product, we ensure each step is grounded in science, compliance, and transparent delivery.

Aenova Holding GmbH

Berger Straße 8 - 10
82319 Starnberg, Germany

✉ contact-sales@aenova-group.com

🌐 www.aenova-group.com

"I feel very comfortable working with Aenova. They address wishes and suggestions right away. You get support at every level — they respond to questions or problems quickly and communicate proactively."

Customer Survey, 2024

