

A person in a cleanroom, wearing a white lab coat, a face mask, and hairnet, is operating a piece of pharmaceutical equipment. The background shows large stainless steel tanks and other industrial machinery. The image is overlaid with a semi-transparent blue circle on the right side.

AENOVA

Excellence beyond Manufacturing

At Aenova, Passion and Excellence Drive Us Forward

We go beyond manufacturing with a commitment to quality and reliability that is anchored in everything we do. Scientific expertise, innovative technology platforms and a strong customer focus make us the one-stop-shop of choice.

- Contract development and manufacturing of all dosage forms and potency levels
- Small to large scale production and specialized technologies
- Dedicated customer service & integrated project management

Together, let's go beyond manufacturing to enhance patients' lives.



www.aenova-group.com

An Outstanding Global CDMO Platform



4,000 FTEs

Market leading sterile capabilities as a full service Finished Dosage Form (FDF) service provider

Top 3

Globally for Animal Health

#1

In Europe for Solids & Semi-solids

#2

Globally for Softgels



> 868 m sales

3rd largest European and 7th largest global FDF CDMO

14 sites

High quality manufacturing locations, delivering into 80+ countries

7

development centers

With 170+ scientists and analysts

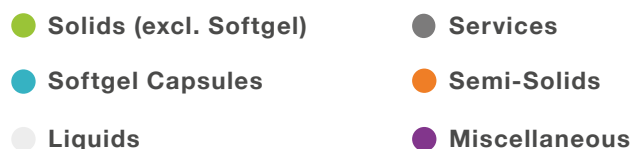
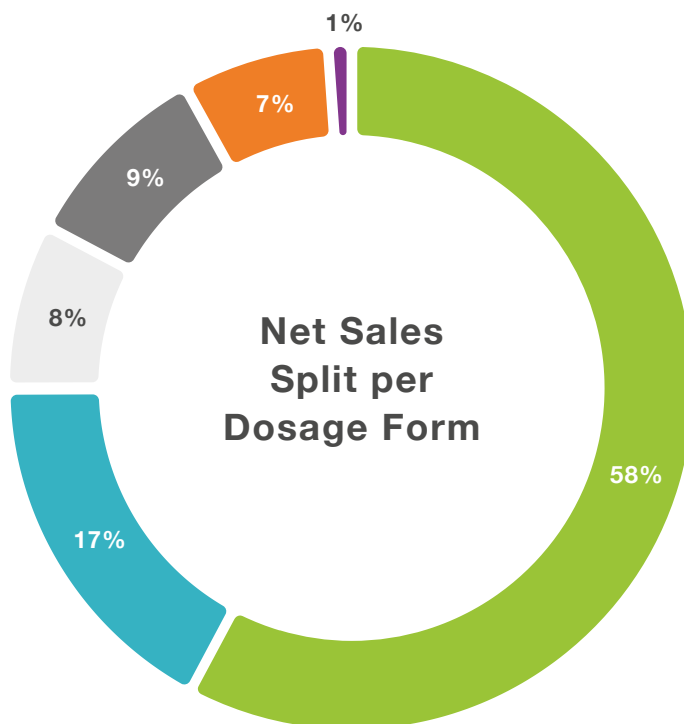


> 400 customers

Decades-long relationships with blue chip customers

Reliable Partner of Choice for Good Reasons

- 1** One-stop-shop and speed to market
- 2** Industry consolidator
- 3** Experience and quality
- 4** Reliable, flexible and collaborative



Three technology streams

Solids

- All key solid dosage forms and technologies
- Centers of Excellence: HPAPI, hormones
- 8 sites with 2,300 FTEs
- **22 bn capacity for tablets & capsules**
- **1.4 bn capacity for blisters**

Semi-solids & Liquids

- Sterile & non-sterile technologies
- Centers of Excellence: sterile liquids incl. HPAPI, lyophilized vials, biologics fill and finish
- 3 sites with 890 FTEs
- **220 m capacity for semi-solids & liquids**
- **220 m capacity for sterile liquids**

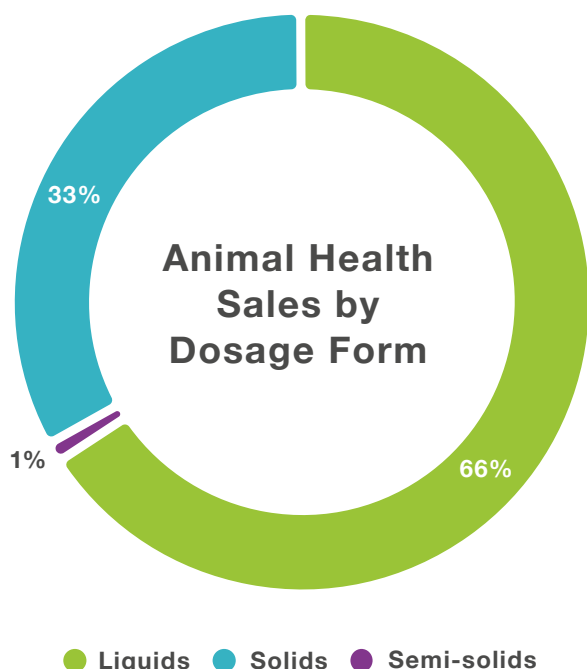
Softgel Capsules

- Specialized site for pharmaceutical products
- Centers of Excellence: HPAPI, narcotics
- 3 sites with 500 FTEs
- **> 11 bn capacity for softgel capsules**



ANIMAL HEALTH

A Leading Global CDMO for Animal Health



With more than 20 years of experience and 7 approved manufacturing sites, we offer excellent end to end services from development to packaging for a variety of pharmaceuticals for companion and farm animals.

Key Facts

- Extensive know-how across most dosage forms
- Serving the biggest global Animal Health companies
- Regulatory compliance in >90 countries

Dosage Forms and Packaging

With 14 production sites in Europe and the USA, we offer a wide range of dosage forms and packaging services. We meet the highest standards of quality and reliability, including the development of specific solutions tailored to your needs.

Dosage Forms



Tablets



Soft Gelatin capsules



Hard capsules



VegaGels®



Chewable gels



Effervescent products



Suppositories



Powders



Semi-solids



Liquids



Ointments & Creams



Gels



Tubes & Dispensers



Syringes



Vials

Specialties & High Potent APIs



Cytotoxics



Hormones / hormone-like



Controlled release



Beta Lactam Antibiotics

Packaging Services



Blisters



Cartons & Boxes



Cans & Jars



Bottles for Liquids, Applicators



Bottles for Solids



Sticks / Strips / Sachets

MANUFACTURING SITES

14 High Quality Manufacturing Facilities Worldwide

At our Centers of Excellence in Germany, Romania, Switzerland, Italy, Ireland and the US, the scientific expertise of our professionals meets innovative technology platforms and a strong customer focus.



Solids

Bad Aibling (GER)
Packaging solutions and high-volume effervescent tablet production

Gronau (GER)
Conventional solids

Killorglin (IRL)
Bulk modified release coated pellets, hard gelatine capsules and extraction/spray drying

Marburg (GER)
Production and packaging of sustained release and moisture-sensitive solid dosage forms, including narcotics

Münster (GER)
Pharmaceutical solids containing high potent & low dosed APIs

Tittmoning (GER)
Commercial production of solid dosage forms applying scalable, efficient solutions for high-volume products

Regensburg (GER)
Oncology & high potent solids production and development

Sisseln (CH)
Development and commercial production of complex solid dosage forms (e.g. low-moisture and customized solutions)

Semi-solids & Liquids

Carugate (IT)
All semi-solid dosage forms

Feldkirchen (GER)
Semi-solids development and manufacturing

Latina (IT)
Sterile technologies including pre-filled syringes, beta-lactam antibiotics, and animal health products

Softgels

Cornu (RO)
All types of soft capsules, including VegaGels®, medical devices, coated capsules, packaging in blisters and bottles. Chewable gels (gummies).

Kirchberg (CH)
Soft gel capsule development, manufacturing and packaging with a focus on pharmaceutical products including high-potent APIs.

Greensboro (US)
Distribution hub of soft capsules for the US and CAN market, packaging small-to-large lots of nutraceutical & pharma products in bottles and blisters

DEVELOPMENT AND TECHNOLOGY OFFERING

Full Service from a Competent and Reliable Partner

The Aenova Group is your trusted partner for comprehensive development and technology services throughout the product lifecycle – from pre-clinical development to commercial supply. We cover all relevant dosage forms and market areas in line with key regulations. Our business model for development services is based on a fee-for-service approach.

Pharmaceutical development and manufacturing at Aenova



Faster time to market and better patient lives based on science.

Certifications and Approvals

- ✓ **EU-GMP** (13 of 14 sites)
- ✓ **US-FDA** (11 of 14 sites)
- ✓ **ANVISA** (8 of 14 sites)



Our commitment to highest quality standards is proven by track record. The majority of our sites are either FDA or EU-GMP approved.

Safety and product quality are our top priorities. Our experience ensures compliance with key quality, regulatory and safety requirements, as shown by our impeccable inspections by health authorities and customers.

- ✓ Many other certifications e.g.:
GCC, NMPA, PMDA, APAC

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AENOVA CAPABILITIES

As a leading global contract manufacturer and development service provider with 14 production sites in Europe and the USA, we offer extensive capabilities for Steriles, Semi-Solids, Solids and Packaging.

Solids & Softgels – Bulk

Sites	BAA	COR	GRO	KIL	KIR	LAT	MRB	MST	RBG	SIS	TIM
Tablets											
Immediate Release			●			● ³	●	● ¹	● ¹	●	●
Controlled Release			●			● ³	●	● ¹	● ¹	●	●
Film Coated			●			● ³	●	● ¹	● ¹	●	●
Sugar Coated			●					● ¹	● ¹	●	●
Bilayer										●	
Chewables / Lozenges / Oral Dispersible Tablets			●			●	●			●	●
Effervescent Tablets	●						●			●	
Hard Gel Capsules											
Powders / Granulates				●		● ³	●		● ¹	●	●
Pellets (Designed Release)				●			●		● ¹		
Tablet in a Capsule							●				
Mini/Micro Tablets							●		● ¹		
Film Coated							●		● ¹	●	●
Dry Powder Inhalation (micro-dosed capsules)											
Powders/Granulates for Oral Solutions											
Powders / Granulates	●		●			●				●	
Effervescent Powders / Granulates	●									●	
Orally Disintegrating Tablets											
Gummies		●								● ⁷	●
Soft Capsules											
Soft Gelatine Capsules		●			● ¹						
Vegetarian Softgel Capsules		●			● ⁸						
Bioavailability Enhancing Technologies											
Hot Melt Extrusion										●	
Bulk Lyophilization									● ¹		
Lipid Based Formulations		●			●						
Animal Health⁴											
	●		●		●	● ⁵		●	●		
Controlled Substances											
	●		●		●		●	●	●	●	●
Occupational Exposure Limits (µg/m³)											
OEB 1 (10,000 to 1,000)	●	●	●		●	●	●	●	●	●	●
OEB 2 (1,000 to 100)	●	●	●		●	●	●	●	●	●	●
OEB 3 (100 to 10)	●	●	● ⁶	●	●	●	● ⁶	●	●	●	● ⁶
OEB 4 (10 to 1)					●	● ⁶		●	●		
OEB 5 (1 to 0.01)					●			●	●		

Solids & Softgels - Bulk

- ¹ Including High Potent APIs
- ² Only High Potent APIs
- ³ Including anti-infectives (Betactams)
- ⁴ If API common to Human Health except otherwise indicated (see footnote AH)
- ⁵ Dedicated plant for Animal Health products incl. Parasitizides
- ⁶ Molecule dependent
- ⁷ Includes Template Inverted Particles
- ⁸ Available 2025

Steriles

- ⁹ API must also be used for human application (exception intramammary syringes at LAT)
- ¹⁰ Powder filling into vials for cephalosporins & penicillins only

Site Abbreviations

BAA – Bad Aibling	KIR – Kirchberg
CAR – Carugate	LAT – Latina
COR – Cornu	MRB – Marburg
FKB – Feldkirchen	MST – Münster
GRB – Greensboro	RBG – Regensburg
GRO – Gronau	SIS – Sisseln
KIL – Killorglin	TIM – Tittmoning

Steriles

Sites	LAT
Aseptic Processing	
	●
Terminal Sterilization (amps/vials)	
	●
Small Molecule	
	●
Biologics (up to BSL 2)	
	●
Occupational Exposure Limits (µg/m³)	
OEB 1 (10,000 to 1,000)	●
OEB 2 (1,000 to 100)	●
OEB 3 (100 to 10)	●
OEB 4 (10 to 1)	
OEB 5 (1 to 0.01)	
Betactams: Penicillin	
Sterile Powder for Injection	●
Sterile Liquid Vials	●
Sterile Intramammary Syringes	●
Tablets, Capsules, Dry Powders	●
Betactams: Cephalosporin	
Sterile Powder for Injection	●
Sterile Intramammary Syringes	●
Animal Health⁹	
	●
Controlled Substances	
	●
Glass Vials - Liquid	2R-10R
Plastic Vials - Liquid	2R-10R
Glass Vials - Powder Filling	5-250ml ¹⁰
Prefilled Syringes (glass & plastic)	0.5ml-10ml
Glass Cartridges	to be evaluated
Intramammary Syringes - AH	5,7,12ml

Semi-Solids & Liquids

Sites	CAR	FKB	GRO	RBG
Suppositories/Vaginal Ovules				
Plastic (ie. PVC/PE)	●		●	
Foil (ie. Alu/PE)	●		●	
Creams/Ointments/Gels				
Bottles				●
Pumps	●			●
Drops				●
Jars	●			
Sachets				
Tubes	●	●		●
Liquids (Non Sterile)				
Emulsions	● ⁵	● ¹		●
Suspensions	●			●
Bottles	●			●
Nasal Sprays	● ²			● ²
Droppers	●			●
Pumps	●			●
Foams	● ⁶	● ⁶		
Hormones				
	● ³	● ³		●
High Potent				
		●		●
Animal Health⁴				
	●	●		
Controlled Substances				
		●	●	
Occupational Exposure Limits (µg/m⁵)				
OEB 1 (10,000 to 1,000)	●	●	●	●
OEB 2 (1,000 to 100)	●	●	●	●
OEB 3 (100 to 10)	●	●		●
OEB 4 (10 to 1)	●	●		●
OEB 5 (1 to 0.01)	● ⁷			

Semi-Solids & Liquids

- ¹ Bulk only, no packaging (alcohol content up to 30%)
- ² Not pressurized
- ³ Only corticosteroids
- ⁴ API must also be used for human application
- ⁵ Including flammables (ATEX area)
- ⁶ Bulk only (pressurization performed externally)
- ⁷ Molecule dependent

Solids - Packaging

- ⁸ Multi-Tablet Blister
- ⁹ Pouching
- ¹⁰ Manual fill
- ¹¹ External Partner

Solids - Packaging

Sites	BAA	CAR	COR	FKB	GRB	GRO	KIR	LAT	MRB	MST	RBG	SIS	TIM
Tablets													
Bottles					●	●			●	●	●		●
Blisters	● ⁸				●	●		●	● ⁸	● ^{8/9}	●	●	●
Strips	●							●				●	
Sachets	●				● ¹⁰							● ¹¹	
Tubes	●								●			●	
Hard Gel Capsules													
Bottles					●	●			●	●	●		●
Blisters	● ⁸				●	●		●	● ⁸	● ^{8/9}	●	●	●
Dry Powder Inhalation (micro-dosed capsules)													
Combination packaging (incl. device)										●			
Powders/Granulates for Oral Solutions													
Strips	●											●	
Sachets	●							●				● ¹¹	
Bottles						●		●					
Softgel Capsules													
Bottles			●		●	●			●	●	●		●
Blisters	● ⁸		●		●	●	●		● ⁸	● ^{8/9}	●	●	●
Clinical Trial Supply													
CT Packaging					●	●		●	●	●	●	●	
CT Blinding & Distribution						●							

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