

# MANUFACTURING FOR ORAL SOLID DOSE SUCCESS

## Adare's robust CDMO capabilities support your product's journey from concept to commercialization



Adare Pharma Solutions is a global technology-driven CDMO providing end-to-end integrated services, from product development through commercial manufacturing and packaging, with small molecule expertise focusing on oral dosage forms.

With a proven history in drug delivery, Adare has developed and manufactured more than 65 products sold by customers worldwide. We operate seven facilities in the world's two largest pharmaceutical markets, the US and Europe, which allows us to seamlessly integrate global and regional supply chains while providing secure, flexible, and efficient pathways to market.

In a constantly evolving pharmaceutical landscape, Adare's manufacturing offerings give you the edge to overcome uncertainty and reach the market faster.

### The Oral Solid Dose Experts

Adare provides extensive expertise in oral solid dosage forms, offering patient-centric solutions that enhance therapeutic performance and meet the needs of both patients and sponsors. Specializing in small molecule oral dosage forms such as tablets, capsules, multiparticulates, and Minitabs, Adare delivers patient-centric therapies that actively address the most common challenges in patient adherence.

### Integrated CDMO Services... From Start To Finish

As a fully integrated CDMO, Adare's services span the entire lifecycle of drug development and manufacturing, allowing you to work with a single trusted partner throughout your entire project.

Our development experts collaborate closely with you to advance complex formulations from concept to clinical trial readiness, building a strong foundation for commercial manufacturing.

As projects transition to commercialization, Adare provides efficient and cost-effective manufacturing while upholding product integrity and regulatory compliance. Our state-of-the-art manufacturing facilities in the US and Europe offer a wide range of innovative equipment designed to bring even the most challenging products to market with accuracy and efficiency.

Adare also provides packaging capabilities, including blisters, bottles, and stick packs, to enable a streamlined move from manufacturing to market.





### Seamless Scale-Up and Tech Transfers

We approach tech transfers as a fully integrated process, and involve commercial manufacturing teams early in development to ensure that scale-up considerations are aligned from the outset. Our tech transfer expertise extends to the transfer of commercialized products into our network, and can provide your product with the capacity expansion, cost optimization, and enhanced supply chain security it needs.

With a track record of successfully manufacturing over 65 products across our global network, Adare has the experience and know-how to navigate the complexities of tech transfers and ensure a seamless transition that maintains continuity of supply and product quality.

### Quality Without Compromise

Adare Pharma Solutions' global manufacturing and development infrastructure is underpinned by a harmonized quality model that ensures consistency across regions and sites. Rigorous training, regular audits, and harmonized quality practices ensure that every facility upholds the same high standards. This approach not only safeguards product integrity but also reinforces Adare's reputation as a trusted partner in a complex and highly regulated industry.

### Unified Project Management with a Single Point of Contact

Dedicated Adare project managers serve as single points of contact throughout the lifespan of your project, ensuring clear communication and consistent alignment. Project managers work across functions to provide proactive assistance and keep programs on track. This approach ensures that every decision and deliverable aligns with your expectations.



### Fully Focused on Our Customers' Success

Bringing a drug product to market requires an outsourcing partner that can listen, adapt, and deliver tailored solutions. At Adare, a customer-centric culture is at the center of everything we do, a focus that enables open communication, rapid problem-solving, and personalized support throughout every project.

Beginning with a smooth onboarding process and extending through dedicated project management, every aspect of our partnership aligns with your project's specific requirements. Cross-functional teams – spanning commercial, development, manufacturing, quality, and regulatory – work in harmony to keep programs aligned and on track.

### Ready to Partner for Success?

Adare Pharma Solutions is committed to helping pharmaceutical companies globally bring their oral solid dosage forms to market efficiently. Our integrated CDMO services, deep technical expertise, and extensive manufacturing capabilities make us the ideal partner for today's complex landscape.

Learn more at [AdarePharmaSolutions.com](https://www.AdarePharmaSolutions.com) or [busdev@adareps.com](mailto:busdev@adareps.com)

AN INTEGRATED  
END-TO-END CDMO

COMPLEX DRUG  
FORMULATION EXPERTS

WORLD-CLASS GLOBAL  
MANUFACTURING

COMPREHENSIVE  
PACKAGING

# INTEGRATED CDMO SERVICES FOR EVERY STEP OF THE PROCESS



## DRUG DELIVERY

- Solutions to overcome formulation challenges
- Taste masking
- Customized drug release
- Solubility enhancement
- ODTs & novel dosage forms
- Easily swallowed dosage forms for patients with difficulty swallowing
- Optimize efficacy, safety, & dosing frequency
- Increase therapeutic performance & patient acceptability
- Maximize dosing accuracy, flexibility, convenience



## DEVELOPMENT

- Preformulation
- Formulation development of
  - Solid dose tablets
  - Capsules
- Pediatric formulation
- Product design
- Formulation optimization
- 3D screen printing capabilities
- Sourcing of APIs & excipients
- Analytical method development & validation
- Prototype development
- Small-scale non-GMP & GMP development capabilities



## MANUFACTURING

- Global network of facilities
- Integrated regional supply chains
- Seamless scale-up & tech transfer
- Tableting & capsule filling
- Minitabs™
- Granulation & mixing
- Fluid bed processing
- Pan coating
- Blending (Bin and Static)
- Bilayer tablets
- Oven & spray drying
- Small-scale GMP manufacturing



## PACKAGING

- Clinical & commercial contract packaging
- Packaging facilities in US and EU
- Bottle filling
- Blister packaging
- Stick pack filling
  - Powders
- Flow wrap packaging
- Repackaging license
- Cartoning
- DEA Schedules II, 2N, III, 3N, IV, L1
- Serialization & aggregation

Adare offers global and regional CDMO capabilities across the US and Europe for your full product journey, from the earliest stages of development through to commercial manufacturing and packaging.

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**TRANSFORMING DRUG DELIVERY. TRANSFORMING LIVES.**



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# MANUFACTURING EXCELLENCE & SEAMLESS SCALE-UP



	POWDER BLEND	GRANULES	TABLETS	ENCAPSULATION	COATING
<b>PURPOSE</b>	Screening & Delumping	Dry, Wet & Milling	IR, MR, ODT	Capsules	Film & Functional
<b>PROCESS TYPES</b>	Dry Powder Blending	Dry Granulation (DG) Wet Granulation (WG) Aqueous and Solvent Granulation	Monolithic/Matrix Bilayer Minitablets (1.5-3 mm)	Powder, Granules, Pellets, Beads, Minitabs, & Liquid filling	Powder, Granules, Pellets, Beads, Minitabs, and Tablets Aqueous & Solvent Coating
<b>EQUIPMENT</b>	Bin Blenders, Double Cone Blenders, V-Blenders, Cube Blenders	Roller Compactor (RC) (n=5) High Shear Granulator (HSG) (n=20) Fluid Bed Granulator (FBG) (n=23)	Single station to 54/44 stations rotary Presses (n=29) B & D tooling	Multiple population filling (up to 3 population – incl. 3 population minitab fill by count)	Pan coater (PC): perforated & non-perforated Fluid Bed Coater (FBC): Wurster coating
<b>MANUFACTURERS</b>	Gemco, Servolift, CapPlus, A&M	RC: AlexanderWerk, Fitzpatrick, Vector HSG: Vector, Fluid Air, Key Intl., Diosna FBG: Glatt, Fluid Air, Vector	Hata, Fette, IMA Synthesis, Kalian, Romaco, Manesty, Carver, Ronchi, B&D, etc.	IMA-Lab/Matic/Precisa/Adapta MG Futura, ACG-PAM, (n=10) Capsule Banding: Qualicaps Hicapseal 125	Pan PC: O'Hara, Thomas Eng Compu-Lab/accela-Cota, Vector Hi-Coater FBC: Glatt GPCGs, Fluid Air, Vector
<b>CAPACITY</b>	0.2 Kg – 3000 Kg	RC: 0.5-150 Kg/hr HSG: 0.2-360 Kg/hr FBG: 0.2-900 Kg/hr	Monolithic: Up to 80,000 tabs/hr Minitab: Up to 206,000 tabs/hr	Up to 150,000 Caps/hr	Pan PC: 0.5-530 Kg (10"-60") FBC: 0.2-600 Kg
<b>USES</b>	Powder for direct compression, granulation, or encapsulation	Granules for compression, encapsulation, or sachets/stick packs or further coating	ODTs/Advatab, IR or MR Tablets, Chewable, Sublingual, Parvulet®	Sprinkles, fixed dose combination, multiple release profile products	Non-functional and functional coatings (customized release and taste masking) for tablets, capsules, sprinkles, ODTs, etc.

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# MANUFACTURING

## FAST | FLEXIBLE | FLAWLESS

In an uncertain world, it's vital to secure your supply through a partner with comprehensive global and regional manufacturing capabilities.

Adare delivers with seamless development, technology, manufacturing and packaging solutions in the US and Europe for the broadest range of oral dose forms at the scale and location you need.

**Global Top 3 Partner**

Oral Dose • Taste Masking • ODTs • Pediatrics

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# #1

**RANKED FOR  
TASTE MASKING  
AND ODTs**

**65+ COMMERCIAL  
PRODUCTS**



**96%**  
OF OUR CUSTOMERS  
WOULD RECOMMEND US



**TRANSFORMING DRUG DELIVERY. TRANSFORMING LIVES.**