




Oral solids  
made with intelligent  
collaboration



Pfizer can manufacture my product for clinical trials and commercial supply?

We sure can. Collaborate with Pfizer CentreOne and access Pfizer's global manufacturing network and scale-up expertise.

### Listening. Solving. Guiding.

Welcome to Pfizer CentreOne. We're a global CDMO embedded within Pfizer. We excel in the manufacture of oral solid dosage forms.

Working together with our customers, we combine our technical and commercial knowledge with open dialogue to solve challenges.

### Intelligent collaboration with Pfizer CentreOne.

For more than 40 years, we've been guiding complex compounds securely and efficiently from development through commercial manufacture.

Backed by Pfizer resources, we have the experience, flexibility and scale to deliver technical expertise, global regulatory support and long-term supply.

More collaboration,  
better solutions.

### Flexible oral solid dose manufacturing.

Pfizer CentreOne has integrated cGMP pilot facilities dedicated to process optimization, clinical drug manufacturing, and scale-up technology transfers.

We offer commercial manufacturing for global / large-volume solid forms production.

#### We're known for our:

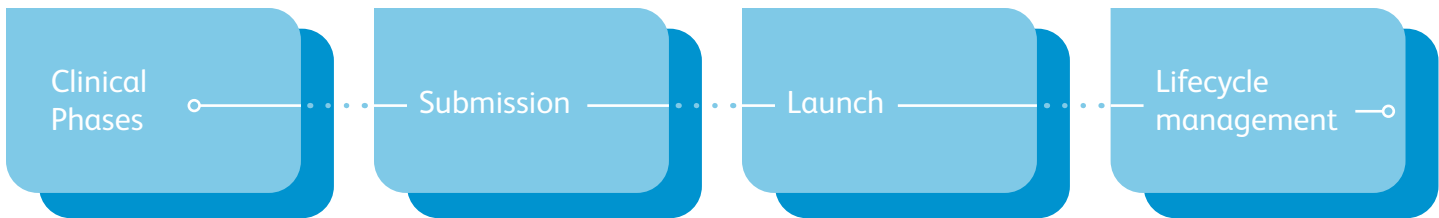
- Specialized solid dose technologies
- Full range of OEB 1-5
- State-of-the-art facility design with segregated areas for multi-product and high containment manufacturing

#### Our oral solids network includes sites in:

- Germany (Freiburg)
- Ireland (Newbridge)
- Italy (Ascoli)
- Japan (Nagoya)

We offer comprehensive regulatory submission support that has established approvals around the globe, including FDA (United States), EMA (European Union), ANVISA (Brazil) and PMDA (Japan).

You want to get to market as quickly as possible. Let's collaborate and we'll help you navigate the technical and regulatory hurdles of your oral solids project.



- Development & manufacturing
- Technical transfer
- Formulation optimization
- Scale-up/validation

- CMC preparation
- Final package
- Pre-approval inspection

- Drug to market
- Production efficiency studies

- Cold-chain management
- Supply/distribution
- Drug delivery expansion

## Capabilities at a glance:

### Compound classifications

- Highly active compounds
- Immunosuppressants
- Sensitizers
- Hormones
- Controlled drugs
- Cytostatics/Cytotoxics

### Manufacturing capabilities

- Dry granulation
- Roller compaction
- Wet granulation
- Fluid bed granulation
- High shear granulation
- Wet & dry milling
- Extrusion/Spheronization
- Hot melt extrusion
- Compression
- Encapsulation
- Film coating
- Sugar coating
- Active coating
- Solvent coating
- Fluid bed coating
- Branding/Printing
- Automated inspection
- Serialization

### Delivery technologies

#### Capsules

- Immediate-release
- Modified-release
- Powder-filled
- Pellet-filled

#### Pellets

- Immediate-release
- Modified-release
- Enteric-coated

#### Tablets

- Immediate-release
- Modified-release
- Fast-dissolve
- Bi-layer
- Active-coated
- Sugar-coated
- Dual-active overcoat
- Laser tablet drilling

### Packaging

- Packaging Centers of Excellence for bottle and blister
- Automated lines
- High-volume and flexible-run packaging
- OEB 1-5 (OEL 10,000-0.01 µg/m<sup>3</sup>)
- Cold-forming and thermoforming capability
- Containment control (i.e. packaging of hormone products)
- Packaging on demand
- Humidity control
- Serialization

### Gateway drug product packaging for Japanese market:

- In country Packaging Center of Excellence for Japan inspection/packaging
- State-of-the-art inspection technologies
- On-site PMDA regulatory experts

### Regulatory overview cGMP inspections

Major market approvals in over 150 markets served:

AIFA, ANMAT, ANVISA, EMA, FDA, HPRA, IMB, INVIMA, Korean FDA, NMPA, PMDA, Russia MOH, Supervisory Agency Germany, TFDA, Turkey BOH



Let's collaborate

Visit us at [www.pfizercentreone.com](http://www.pfizercentreone.com)



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