

Experience Unrivaled

Oral Solid Dose

AbbVie Contract Manufacturing delivers advantages beyond a typical CMO to the drug product market. As a leading pharmaceutical developer and manufacturer, we have a large and diverse scientific team who bring extensive depth of knowledge and expertise to offer solutions to our clients' most difficult challenges. With manufacturing flexibility across six facilities in the US and Europe, we offer one of the most effective global networks to accommodate oral solid production needs coupled with the most trusted reputation in the industry for quality, reliability and on-time delivery.



AbbVie's Experience

- Flexible scales to for boutique to large scale production network delivers broad flexibility in scale and location
- Solution and consultative partnerships from development through commercial term
- Established wide network of commercial assets to accelerate speed to market

Unique Capabilities

- Potent (<1 $\mu\text{g}/\text{m}^3$) manufacturing and storage
- Offer End to End manufacturing from API to bulk oral solid dose to finished Drug Product packaging
- Extensive controlled temperature warehousing capability (2–8 °C API and Drug Product)
- Hot melt extrusion for difficult to formulate compounds/bioavailability enhancement



CONTRACT MANUFACTURING

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abbvie

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Oral Solid Dose

Oral Solid Dose Manufacturing

Blending

- V-blenders (2 ft³ – 150 ft³ scale)
- Bin blenders

Granulation & Drying Capabilities

- Dry granulation
- Roller Compaction
- High Shear wet granulation (75 L, 300 L and 1,200 L)
- Spray granulation (400 L – 1,100 L)
- Melt granulation (18 MM – 70 MM screw size)
- Fluid Bed Drying
- Tray Drying

Milling capabilities

- Impact milling
- Screen milling
- Separation

Compression Capabilities

- Single layer
- Multi-layer
- Mini tab

Coating Capabilities

- Tablet coating
- Particle coating
- Active coating

Encapsulation Capabilities

- Granule filled
- Liquid filled (hard gelatin)
- Mini tab filled
- Over encapsulation

Packaging Capabilities

- Blisters
- Bottles
- Sachets/Sticks
- Wallets

Oral Liquid Manufacturing & Finishing

- Formulation
- Syrups/Suspensions/Solutions
- Bottle filling (15 ml – 500 ml)

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