AbbVie Contract Manufacturing offers proprietary hot melt extrusion technology in both the US and Europe. Our Ludwigshafen, Germany location offers development and commercial production, while our Barceloneta, Puerto Rico facility offers further commercial production capabilities. Hot melt extrusion is a robust process that offers continuous processing capabilities for a more economical manufacturing method serving poorly-soluble APIs, potent APIs, abuse deterrence, taste masking, and solvent-free formulations.

HOT MELT EXTRUSION (HME) CAPABILITIES

Advantages

› Once developed, it’s an extremely robust process
› Very stable product
› Continuous processing capabilities for a more economical method of manufacturing
› Ease of scalability of the extrusion process

Dosage Forms

› Controlled & modified release
› Tablets
› Multi-layer tablets
› Capsules

EXPERIENCE

UNRIVALLED

Hot Melt Extrusion
THE ABBVIE ADVANTAGE

Development Services
› Analytical
› HME formulation
› HME process development
› Scale-up from 18mm to 70mm extruder
› Associated dosage forms

Commercial Manufacturing
› 18mm – 70mm extruders
› Continuous processing
› Manufacturing sites in the US and EU
› HME and tableting / capsules at commercial scale

Capabilities
› Pilot to commercial scale
› Expertise in tableting / encapsulation, potents, and modified release

Benefits
› Improved bioavailability of the pharmaceutical active ingredients
› Precisely timed and delayed release can be reached
› Excellent integration of difficult-to-dissolve APIs
› Enhancement of solubility / bioavailability for poorly-soluble drugs
› Support for good process control and scalability
› Ability to add taste masking

Experience
› Integrated development and commercial manufacturing for HME and all associated dosage forms
› More than 10 years of HME experience in both development and commercial manufacturing