

Powder in Bottle Solutions





Scaling up from our development services to full scale commercial drug product manufacture or transferring existing commercial products, Almac Pharma Services can meet your commercial drug product manufacturing requirements.

Our range of commercial scale dry blending, and wet and dry granulation technology supports the commercial drug product manufacture of granules and oral powders for reconstitution.

With blend sizes from grams to tons, our range of state-of-the-art processing equipment is flexible to accommodate batch size requirements of your particular product needs.

Our dedicated powder in bottle line is located in our GMP facility and offers a wide range of capabilities and features to meet a variety of project needs. Our experienced team of formulation scientists and technical operators can assist in bringing your product through its manufacturing pipeline. Providing oversight of important regulatory guidelines and ensuring that all parameters are met.

All-Fill AFI Series IMR Monoblock Dual Head Rotary Filling Machine

Capabilities:

- Filling rate up to 50 bottles per minute (product dependent)
- Fill weights 0.5g – 10g.
- Accommodate various bottle sizes using bottle and cap specific change parts.
- Twin auger dosing system with individual bottle weight verification and feedback mechanism
- +/-2% fill accuracy (product dependent)

Equipment Features:

- Romaco Macofar TB12 Infeed Tray and Bottle Blower
- All-Fill Dual Auger Filling Head
 - Variable Speed Drive Unit with anti-jam protection software controlled via Siemens PLC
 - Recipe Programmable (up to 20 products, 200 recipes)
 - Wipotec Weigh Cells – bottles weighed before and after fill for high resolution static weighing (particular important for low dose and Paediatric applications)
 - 100% Weight Control with Feedback Loop
 - Increasing decreasing auger revolutions to automatically compensate for variations in powder bulk density.
- Zalkan TM300 Bulk Cap Feed Elevator and Twin Capping Turret
 - Missing cap and misalignment detection and reject mechanism.
- Reject mechanism for Weight Control
- Domino Ax350i Printer
- Future provision for Induction Sealing Capabilities
- Full Statistical Package (Batch Number, Count, Average Weight, Declared Weight, Acceptable Product and Rejects)
- Rotary 900 Ø accumulation turntable

In line with regulatory compliance, our facilities regularly undergo GMP inspections by MHRA, FDA, and HPRA. We hold GMP certificates enabling GMP development, manufacture, and packaging of products, as well as flexible GMP specific floorspace. Pre-qualified amenities within our floorspace include, power, compressed air, purified water, and RH control.





Scan the QR Code to learn more about our pharmaceutical development solutions.

almacgroup.com

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