

PACKAGING AT CORDENPHARMA



CORDENPHARMA

PACKAGING AT CORDENPHARMA PLANKSTADT

CordenPharma Plankstadt is an internationally approved expert in contract manufacturing and packaging of solid dosage forms and part of CordenPharma's network of facilities across Europe and the US. We offer specialised capabilities in primary packaging of highly potent compounds up to OEB 4. Customer satisfaction is our primary objective, from early-stage feasibility to commercial supply in multiple markets worldwide, including the expertise and specific quality requirements needed for packaging in the Japanese market.

We provide multiple packaging solutions for oral solid forms ranging from standard packs for tablets and capsules to specialised packaging, e.g. multi-product blisters and packaging at low humidity.

Our state-of-the-art equipment and specialised packaging technologies include:

BLISTER PACKAGING FOR TABLETS AND CAPSULES

- Blister packaging for tablets and capsules provided according to format requirements.
- 9 blister lines equipped for primary and secondary packaging.
- Suitable for all standard blister materials:
 - PVC / PVDC: validated and commercially running on 5 lines
 - Triplex: validated and commercially running on 1 line
 - Alu / Alu: validated and commercially running on 4 lines
 - PP / Alu: feasible.

SPECIALISED CAPABILITIES AND UNIQUE SERVICES FOR BLISTER PACKAGING

- On-line laser printing of variable data.
- Stand-alone printing equipment for foil.
- 3 lines already **equipped with Pack Serialisation / 2D Matrix printing**.
- Unit-dose packs with and without cross perforation.
- Packaging of moisture sensitive products at <20% RH.
- Primary & secondary packaging areas at the blister line are separated by **Laminar Air Flow units**.
- Semi-automatic lines with combined hand-packing available for small batch sizes or packaging of stability samples.
- On-time labelling, documentation & tracing of vignettes - e.g. **Bollini for Italy**.
- Packaging components inspected by image compare system.
- All types of secondary packaging materials feasible - e.g. sheet as leaflet format.

BLISTER LINE

CARTON PACKAGING INCLUDING FEEDING OF ADDITIONAL BROCHURES

Bosch Servac PH3 / CS2	Bosch CS (4") Bosch FM
Partena M82	CAM HF 77 GUK
Bosch Servac PH3 / CS	Bosch Contina 200 / Bosch
IMA C90	IMA A91 GUK
IMA C90	IMA A91 GUK
Uhlmann UPS1030 MIT	Uhlmann C2205 / GUK
IMA C80	IMA A81 GUK
Uhlmann UPS4 ET	Uhlmann C100 GUK
Uhlmann UPS1030 ET	Uhlmann C2205 / GUK

BOTTLE FILLING AND PACKAGING LINE

- Line for small quantities or pilot scale batches: Cremer CF 830-2 with Collischan Praezitron 225 C weight control unit, Inova VVM 4011 sealing and Pago Sys 165 labelling unit
 - High speed line: Uhlmann Integrated Bottle Center IBC 120 with labelling unit L180 and carton packager C2155
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GRANULES / POWDERS FOR SUSPENSION OR SOLUTION IN SINGLE UNIT DOSES (STICK PACKS)

- AS Stick Pack machine for 88 mm triplex foils, e.g. PET/ALU/PE 12-12-50, for filling of sachets of 19 x 30 to 19 x 125 mm at a speed of 100 - 120 sachets/min.
- Sachet filling of highly potent compounds.

FLEXIBILITY & QUALITY

The high capability and flexible capacity adjustment of the packaging lines at CordenPharma Plankstadt guarantees maximum efficiency, quality and speed in processing from design creation to the delivery of the finished folding box. Our broad experience, professional expertise and modern high-performance technology also ensure a maximum of safety.

As such we provide:

- Implementation of new customer requirements with short lead-time and well ahead of

regulatory requests (e.g. pack serialisation).

- Pack serialisation / unique carton identification - already installed on three lines, data transfer to customer database in place.
- 2D Matrix Code or aggregation per country requirements to ensure security already installed on three packaging lines.
- Flexibility to accommodate small products by off-line or roll-to-roll printing with Minimum Order Quantity <500 packs.
- Flexibility to install specific packaging equipment upon customers' requests.

PACKAGING CAPACITY

- More than 600 variants.
- Current annual capacity: 90 million packs.
- Increased annual output possible due to our flexible shift system.

FOCUSED PROJECT MANAGEMENT

CordenPharma Plankstadt's dedicated project managers with their project teams ensure consistent coordination, communication and alignment of progress throughout all phases of each project. A project manager is assigned at the start of the project to be your direct interface for all project activities from the kick-off meeting to successful implementation of your product.

We take care to ensure all project objectives are defined and detailed together with the deliverables in a mutually-signed Project Specification document. Technical risks are identified, evaluated and mitigated on a continuous basis by the project teams and the agreed mitigation approaches are tracked and reported throughout the project. Updated project plans are generated by the project managers and tracked vigorously to ensure that we will always deliver the highest quality to our customers within agreed-upon timelines.





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CORDENPHARMA

The logo for CordenPharma features the company name in a bold, white, sans-serif font. The text is centered and partially overlaid by a white graphic element consisting of two curved lines that form a horizontal oval shape, with the top line curving upwards and the bottom line curving downwards.