



Ivers-Lee. Everything else is just packaging.



Technologies.

Over the last 75 years the Ivers-Lee Group has built up a reputation for being the right partner for further develop technologies up to market approval. The Ivers-Lee success story is built on a strong network with their customers, partners and vendors. The Group serves the entire life cycle of medicinal products; starting with services in development, support during application of marketing authorization and the market approval phase/commercial manufacturing. Ivers-Lee has successfully implemented novel technologies to the pharmaceutical market. Such as device assembly, low dose stickpacks, including mini tablet applications, and advanced blister technologies. At the same time the Ivers-Lee Group is ready to serve all special market requirements in terms of serialization and aggregation. The Ivers-Lee Group is proud of the highly motivated and experienced team, which makes the difference.

Blister & Bottles

Ivers-Lee blister products such as capsules, tablets, ampoules, vials, syringes and devices in the appropriate blister shape in accordance to customer requirements.

Besides mono filling, Ivers-Lee offers also the option for mixed blister packs, where different products can be manufactured in one single blister.

There are 10 different blister lines (mainly Uhlmann lines) either as standalone or as complete lines with secondary packaging.

The bottle line completes the Ivers-Lee capabilities for tablet and capsule primary packaging.

- **Push-through PVC packaging**
(PVC, PVC/PVdC, Triplex, PVC/Aclar)
- **Push-through Alu/Alu packaging**
- **Child resistant foil systems**
- **Glass bottles**
- **Plastic bottles**
- **Child resistant opening / induction sealing**



Stickpacks

The Ivers-Lee Group has more than 20 years experience with stickpacks. There are five Merz stickpack lines on site and the focus is low fill volume for oral granules / minitablets and powders. The stickpack is a very suitable solution for pediatric administration.

- **Standard dimensions are 23 mm / 30 mm in width and up to 125 mm in length**
- **Aluminium based foil materials (incl. desiccated material)**
- **Humidity control < 20 % rH**
- **Different openings (incl. child resistance features)**
- **Leading edge weighing technology**
- **Nitrogen flushing**



Active-Blister™ Solutions

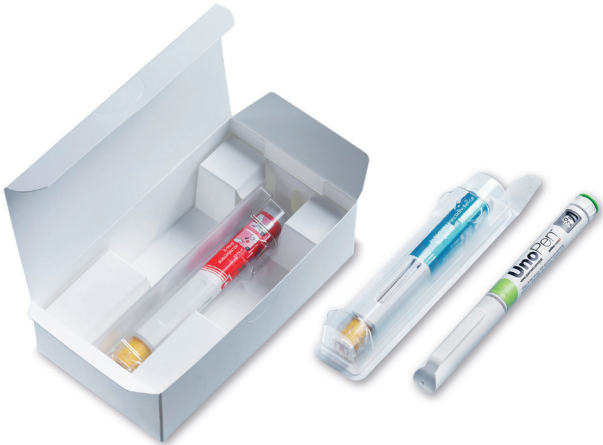
The Ivers-Lee Group is the European partner of CSP Aptar for Active-Blister™ Solutions and installed a state of the art Uhlmann blister line to produce these blisters on a commercial scale. The Active-Blister™ Solutions removes residual moisture from the product, enabling unit dose packaging. It is ideal for those products not shelf stable even in Alu/Alu blisters. Active-Blister™ Solutions enables products packaged in Alu/Alu blisters due to extreme moisture sensitivity, to be package in clear Aclar blisters.

- **Smaller blister footprint with PVC-based films (40–60 % size reduction)**
- **Tablets are visible**
- **Residual moisture in dosage can be removed**
- **Oxygen and reactive impurities**



Device Assembly

The Ivers-Lee Group has 10 years of experience with assembly of devices from Ypsomed such as pens and autoinjectors. Our capabilities allow us to produce small and large scale batches. The assembly equipment is based on the Harro Höfliger technology. The entire process is force-way monitored.



Serialization & Aggregation

The Ivers-Lee Group uses the track and trace solution from HICOF. HICOF pioneered in developing a single core serialization database, abandoning the traditional but outdated concept of a hierarchical cluster of several linked databases (Level 1 to 5). The validated system allows flexible interfacing with all customers IT systems based on almost all popular IT-protocols (e.g. EPCIS). The hardware is state of the art and is capable of achieving the highest requirements in printing quality as needed for example for the crypto code.



Top Loading

The Ivers-Lee Group has a very flexible Dividella NTX equipment, which is used mainly for packaging of parenteral products. The advantages of this monomaterial packaging (cardboard) are environmental friendly and much smaller volume compared to a blister packaging solution. The NTX can be used very efficiently with a manual insertion of product.

- **Autoinjector**
- **Pen (incl. needle)**
- **Safety devices**
- **Prefilled syringes**
- **Vials**
- **Ampoules**



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