

COMPANY PROFILE: **HASELMEIER****User Focus**

At Haselmeier, our mission is to create products enabling a convenient and comfortable experience. This is why patient feedback is integrated early in our device designs. Early concepts are prototyped for testing and Human Factors studies to capture the handling needs and skills of potential users. This knowledge is integrated into the device design to provide successful administration of the drug product and a positive user experience.

Haselmeier offers a range of early-stage activities:

- Think-tank discussions and paper concepts
- Detailed product concepts and industrial designs
- Detailed user handling review and risk-analysis
- Prototyping of initial concepts up to functional devices
- User focus groups and human factors studies for concept and prototype evaluations
- Detailed user requirements and product design specifications based on selected concept.

**Bridge to Market**

Successful development and industrialisation of drug delivery devices is dependent upon the understanding and execution of today's technical, regulatory and operational requirements. At Haselmeier we provide integrated design, development and industrialisation services to help you bridge your serial product into the market. Our qualified design control process, certified quality system, regulatory expertise, solid network of partners and

strong manufacturing operations are all designed to achieve your expectations. Together we enable a smooth market introduction for your commercial drug delivery device.

Haselmeier's commercial development and industrialisation services include:

- Concept transfer into detailed User Requirements and Product Design Specifications
- A certified Design Control Process and Quality System
- Design verification, product and process validation processes
- Regulatory expertise to support your approval strategy
- Controlled design-to-manufacturing transfer, verification and validation.

**Manufacturing & LifeCycle Partner**

We understand that each customer has individual and specific requirements for their product. Regardless of your requirements, Haselmeier applies the highest quality standard for manufacturing your drug delivery device to ensure a reliable and reproducible manufacturing and quality process. We work continuously with our customers to identify product improvements at all stages of the product's lifecycle to provide a safe and state-of-the art drug delivery device.

Haselmeier provides flexible, reliable, manufacturing and lifecycle management:

- Certified and modern production facilities and manufacturing processes
- Qualified and well trained personnel
- A strong network of sub-suppliers and manufacturing partners
- Continuous Engineering and product improvement programme
- Innovation meetings to identify next product generation.

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COMPANY PROFILE: **HASELMEIER****PLATFORM & PRODUCTS**

The Haselmeier Axis-D Pen System is a disposable, variable-dose injection device designed for the use with a 3 mL cartridge (Figure 1). The elegant and compact Axis-D Pen System is available as a high quality plastic version.

- No or minimal priming
- Accurate dose reading with sliding window
- No rotating outer components
- Protected dose scale.

The Haselmeier i-pen (Figure 2) is a reusable, variable dose injection device for use with a standard 3 mL cartridge. The i-pen features an elegant non-medical design which is the result of extensive research and patient testing.

- Dose adjustment from 0.01 mL to 0.6 mL per injection
- Compact size enables easy handling and portability
- Large, easy-to-read dose indicator
- All metal outer body.

The i-pen<sup>2</sup> (Figure 3) is a reusable, variable-dose injection device for use with a standard 3 mL cartridge. The i-pen<sup>2</sup> was specifically created to provide a high-quality pen at economic cost.

- Dose adjustment from 0.01 mL to 0.6 mL per injection
- Compact size enables easy handling and portability
- Large, easy-to-read dose indicator
- All plastic components.

The Softpen (Figure 4) is a fully automatic, reusable injection device featuring Haselmeier's patented hidden needle design. Upon depressing the clip on the pen, the needle automatically enters the subcutaneous tissue followed by delivery of the solution.

- Fully automatic needle insertion and injection
- Needle is hidden prior to and during injection
- Multiple injections from single 3 mL cartridge.



Figure 1: The Axis-D Pen System – disposable, variable-dose injection device designed for the use with a 3 mL cartridge.



Figure 2: The i-pen – reusable, variable-dose injection device for use with a standard 3 mL cartridge.

“We understand that each customer has individual and specific requirements for their product.”



Figure 3: The i-pen<sup>2</sup> is a reusable, variable-dose injection device for use with a standard 3 mL cartridge.



Figure 4: The Softpen – a fully automatic, reusable injection device featuring Haselmeier's patented hidden needle design.



Figure 5: The Penlet is a fully automatic, fixed-dose injection device.

The Haselmeier disposable Penlet (Figure 5) is a fully automatic, fixed dose injection device designed for use with a standard 3 mL cartridge. Upon depressing the clip on the pen, the needle automatically enters the subcutaneous tissue, which is followed by delivery of the solution.

- Ready for use by the patient and no dose adjustment required
- Fully automatic needle insertion and injection
- Needle is hidden prior to and during injection.



## Working together to inspire your patients

At Haselmeier we work in close cooperation with our pharmaceutical partners to create and deliver the safest and easiest to use injection devices for their patients.

Our proven device platforms, world leading engineering and global manufacturing capabilities combined with an intense focus on patients provides our partners with a total product solution that helps improve patients' lives.

Experience **User Focus**, **Bridge to Market** and **Manufacturing & LifeCycle Partner** here:



 **HASELMEIER**  
Drug Delivery. Tailormade.