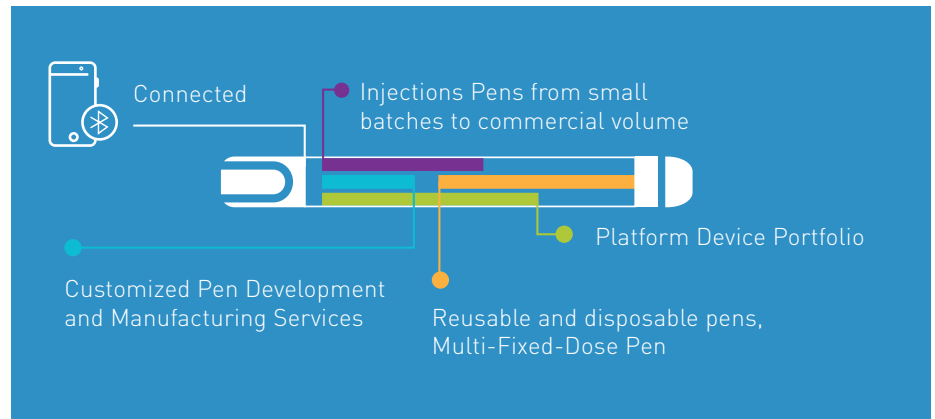


# Self-administration with injection systems offer opportunities for pharmaceutical manufacturers

Self-administration with injection systems offers pharmaceutical manufacturers the opportunity to create a safe and reliable administration option for patients and doctors alike. This is because the use of injection pens is largely pain-free and easy to handle.



## In this white paper, you will find out why suitable application tools are so important

To set itself apart from competitors and to be able to offer attractive solutions to both patients and doctors, pharmaceutical manufacturers are always on the lookout for new and pioneering methods of administration. Thanks to advances in medicine and innovative procedures, many diseases can be treated in such a way that patients have hardly any restrictions in everyday life and can lead a mobile and active life. This requires them to carry their medications with them and be able to use them at any time and wherever they are. Self-administration with injection systems is a promising way to achieve this.

## Defining and monitoring dosage intervals and dosage

Modern pen systems with cartridges, containing the medication packaged under sterile conditions, make self-application easier. In contrast to traditional syringes, the pens can be used more than once.

Depending on the patient's needs or the doctor's prescription, the pen can deliver different doses. There are two different types: the dose can either be continuously adapted, or the right dose can be chosen from different preset doses. The former is common in diabetes treatment: first, patients measure their blood sugar levels and adjust the dose to the result. For other diseases, treatment is divided into one or more fixed doses each day. The specific illness therefore dictates the dose required. Thanks to modern systems, it is also possible to monitor the dosage interval. Patients benefit from reliability through self-administration with injection systems and high dosing accuracy.

## Tailored solutions for different applications

Injection pens and well-known, tried-and-tested tools for the treatment of diabetes. Many other diseases, such as osteoporosis and growth or fertility disorders, can be treated via self-administration with injection systems, however. Haselmeier has been specializing in developing sta-

te-of-the-art, highly reliable and safe injection tools for over a century. A broad platform of different pen systems allows pharmaceutical manufacturers to quickly and economically develop tailored solutions for self-administration with injection pens. As the experts in injection-based self-medication, what sets Haselmeier apart is the reliability of its treatment thanks to customized system solutions and it provides inspiration through scalability, convenience and intelligent control and monitoring.

You can receive in-depth advice about self-administration with injection systems by calling +49 (0) 711 71 97 90 or by sending an email to [info@haselmeier.com](mailto:info@haselmeier.com)



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