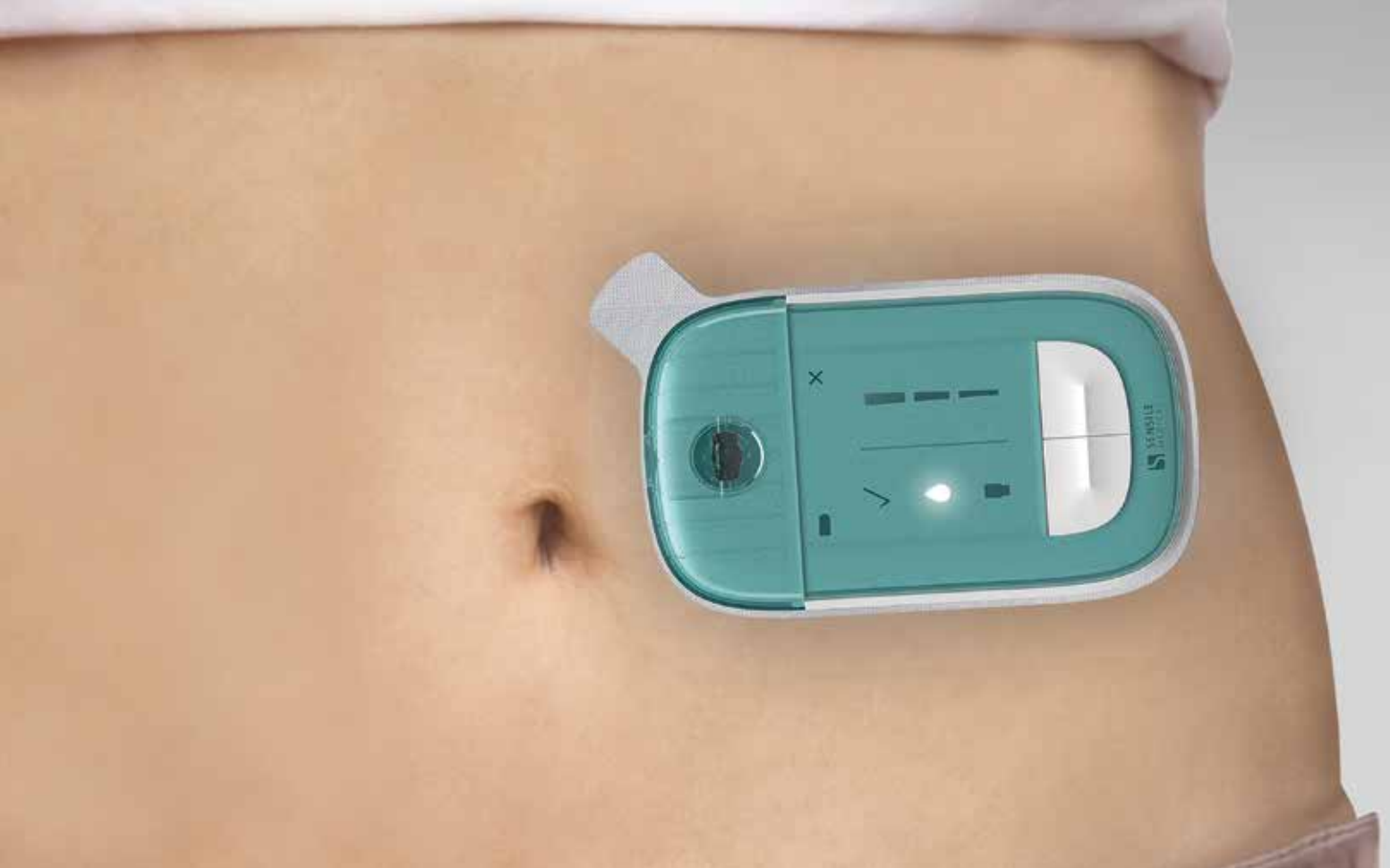




# Liquid Drug Delivery Solutions

Self-administered by patients





## On-body worn devices

Easy to use patch pumps which adhere to the skin for bolus and also basal delivery. The needle mechanism ensures an easy, discrete insertion and is automatic retracted at the end of infusion.

### Various dosing regimes possible:

- Highly accurate volumes
- Variable and pre-programmed dosing administration
- Basal and/or bolus profile

## Large Volume Injector

Solution for up to 20 ml – Delivery time between minutes up to several hours. Usage of standard vials as Primary drug container. Eliminates the need for the costly and time consuming development of a prefilled cartridge and avoids the associated development and regulatory risks.

### Primary drug container:

- Vial content transferred into internal reservoir



Large Volume Injector



## Small Volume Injector

Solution for up to 3 ml – Bolus and/or extended basal injection.

### Various dosing regimes possible:

- Highly accurate volumes
- Variable and pre-programmed dosing administration
- Basal and/or bolus profile

### Primary drug container:

- Standard cartridge – directly inserted by patient

## Customized Small Volume Injector

Sensile has a strong device pipeline with dedicated and therapy customized solutions.

Get in touch to learn more about our modular & flexible solutions.



Small Volume Injector



Example of Customization



## Off-body worn devices

Solution for up to 20ml. Due to continuous use of this device it is connected to belt or in a body bag with an infusion via a Luer connected standard infusion set.



Infusion Pump

### Various dosing regimes possible:

- Highly accurate volumes
- Variable and pre-programmed dosing administration
- Basal and/or bolus profile
- Screen interface
- Flexible flowrate (delivery volume over time, e.g. night & day)
- Multiple language packages

### Further options:

- RFID
- Digital solutions

### Primary drug container:

- Vial content transferred into internal reservoir

# Launched Products

## Off-body worn device

D-mine® Pump developed by SENSILE and launched by our Pharma Partner Ever Pharma in 2018 for the use of Dacepton® to treat patients suffering from severe Parkinson's disease.

- Modular and flexible reusable / disposable system
- 20 ml volume
- 24/7 use
- Flexible flowrates, basal and bolus
- Complex user interface
- Multiple Language package
- Belt-worn or in a body bag with luer connector and infusion set
- Easy to use
- Automated filling from vial into internal reservoir
- Accurate, reliable safe drug dosing
- Modern technology, data history
- Charging station and integrated batteries



D-mine® Pump



D-mine® Pump with docking station



# Building Bridges from Drugs to Patients

Sensile Medical is a leader in the area of advanced micro pump technology, developing a broad range of customer specific platforms for drug delivery and dosing solutions.

Our pumps are increasingly being used to enable small or large volume subcutaneous delivery of modern pharmaceutical and biotechnological products for self-administration by patients.



## Micro volumetric rotary piston pump

The SenseCore Technology

Sensile has developed a novel micro pump which forms the heart of its injectors.



## Benefits

- Home use by patients
- Modular and flexible platforms
- Flexible to primary packaging (type, size, fill volume)
- Excellent cost-efficiency due to SenseCore Technology and semi-disposable design
- Adaptability for different therapies
- Highly accurate and predictable delivery starting with the first dose
- Safe usage with integrated sensor technology (occlusion detection etc.)
- Digital solutions to apps and clouds
- Reduced handling steps and increased safety (integrated needle, automated priming)
- Platform solutions or fully customized devices feasible

# Our concepts

## Reconstitution

Concept Solution for automated drug reconstitution.

- Programmable mixing cycles
- Final drug product in either one of the containers
- or infusion to patient from device

## Pen Injector

Concept Solution for bolus injection of drug(s).

- Electro-mechanical
- Handheld during injection

## Digital Solutions

Sensile is continuously working on connected solutions supporting patients taking the right medication at the respected time e.g. with the help of RFID and reminder functions. Tracking history data exempts patients from paper documentation and supports HCP's and caretakers as well.





Besides platform solutions fully customized devices are feasible for PharmaCo's dedicated brand strategy & differentiation from competition.

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