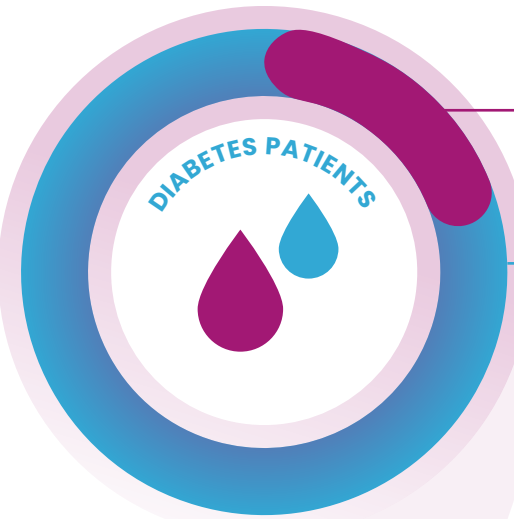


Prisma

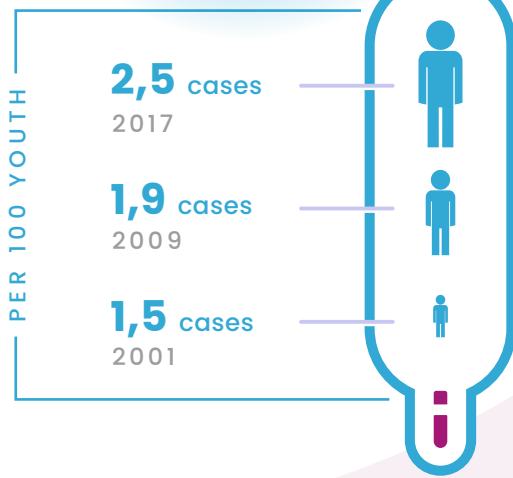
UNDERSTANDING DIABETES

422M people
WORLDWIDE HAVE DIABETES



increase of type 1 diabetes cases in young people

45,1%
FROM 2001 TO 2017



why?

✗ Big insulin pumps make the therapy visible

✗ Managing a pump therapy can be difficult, especially if done manually

✗ Occlusions may lead to serious consequences

Insulin patch devices represent an alternative to insulin daily injections with syringes or insulin pen, allowing reliable insulin therapy

Expected micro pump growth

FROM **1,5B\$** in 2020 TO **6,3 B\$** in 2028

Prisma

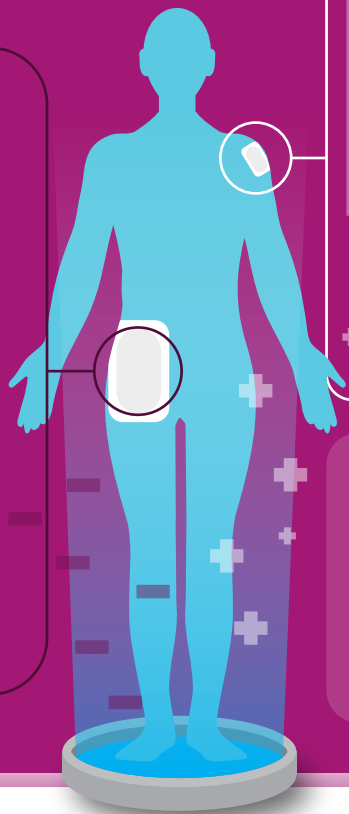
is a revolutionary thin film micropump

which can be used as an innovative pumping system in wearable insulin delivery devices. Prisma will introduce a breakthrough approach to the treatment of diabetic patients.

PATCH DEVICES BASED ON TRADITIONAL TECHNOLOGY

- ✗ Visible
- ✗ Non accurate
- ✗ Complex

The smallest pumps still occupy more than **50%** of the device's volume

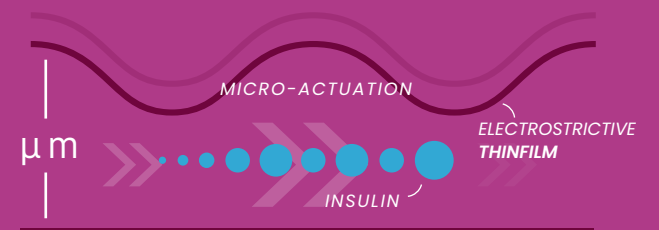


DEVICES BASED ON PRISMA MICRO PUMPING SYSTEM

- + Size, way smaller and discrete
- + Higher drug delivery accuracy, within the 5% expected range, even with the smallest flow
- + Drastic reduction in energy consumption
- + **PAVING THE WAY TOWARDS MULTI-HORMONE THERAPIES**

How does Prisma thin microfilm pump work?

The electromechanically active materials (thin film) generate a micro-actuation, making the liquid flow forward.



How Prisma will improve insuline therapy:



Discretness

The reduced size of Prisma allows for a free design of shapes that will result in a pump that the user can forget about



Reliability

The precise drug delivery will provide Prisma users with a reliable alternative to insulin pens



Simplicity

The reduced energy consumption, combined with the accuracy and size of Prisma, will allow for a better closed loop system that will simplify the user experience



Multi-hormone therapy

Thanks to the reduced size of the pump, multi-hormone therapy will become a reality soon

Follow Prisma on



prisma-horizon.eu

Partners



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