

Symbioze, the smart, high volume and sustainable on-body injector platform developed by Nemera, wins the ‘Connected Devices and Wearables’ Award at Pharmapack 2021

PRESS RELEASE
Paris, October 12th

“Every day at Nemera, we work to improve the lives of millions of patients worldwide by designing, developing and manufacturing innovative drug delivery devices. Our vision as a team is to become the most patient-centric drug delivery device company in the industry. We partner closely with our customers to deliver innovative and high-quality devices, to ensure that patients will receive the best product and service possible”

Marc Haemel, CEO

Nemera in figures:

- **4 plants** in Europe and the USA
- **Insight Innovation Center** with offices in Europe and the US
- Over:**
 - **2,600 employees**
 - **30,000 sq. meters** of manufacturing clean rooms
 - **150 engineers and experts** in our Insight Innovation Center

Attached documents:

- Award pictures
- Symbioze picture

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On October 12th, during the Pharmapack Awards Ceremony, a team of industry experts awarded **Symbioze, Nemera’s large-volume on-body injector**, with the Pharmapack Award in the “**Connected Devices and Wearables**” category.



Nemera’s novel on-body injector platform, Symbioze, comprises of a reusable main unit and disposable prefilled drug container module. It offers an ideal balance between the need to deliver advanced formulations at high volumes - up to 20 ml - and patient’s ease-of-use required for self-administration at home.

It is the perfect combination between design robustness, ease of use, connectivity, and sustainability, for a seamless and enhanced injection experience.



Symbioze is specifically tailored to administer complex drugs, such as biologic therapies, thanks to a highly engineered, reliable drug delivery system. It is suitable for large volumes such as 20ml and beyond, while preserving the formulation integrity – which is critical especially with monoclonal antibodies. It is designed to

reconcile complex drugs injection with stakeholders' (patients, HCP or payers) most demanding needs, with enough flexibility for adjustment to any pathology, targeted patient population and drug posology. Its reusable core technology can be re-used across multiple injections, leveraging its sustainable benefit for pharmaceutical players.

“We are very delighted and pleased to receive this prestigious award. This is a recognition to our long-standing commitment to put patients first as well as our innovation capabilities.” – said Séverine Duband, Nemera’s Marketing Director, Drug Delivery Devices – “Over the last decade, several trends impacted the parenteral environment: shift towards at-home and value-based care, growth of biologics, connected health technologies, waste management. These continuously fueled a need for an easy self administration of large dose volumes. With this in mind, we developed our on-body injector platform Symbioze, to deliver large volumes at home, in a sustainable and user-friendly way.”

Bernhard Rohn, VP of Strategy and Marketing, added: “We are very delighted to have received the Pharmapack award for our Symbioze wearable. We developed Symbioze to provide an intuitive and easy-to-use solution for patients, combining high injection volumes up to 20ml, a sustainable reusable/disposable product architecture and compatibility with standard pharmaceutical filling- and final-assembly processes.”



Launched in 1997, the Pharmapack Awards celebrate the latest innovations from packaging companies within the drugs, medical devices, health products and veterinary drugs sectors.

Symbioze at a glance:

BENEFITS

- **Sustainable and cost-effective**
 - Reusable electromechanical part with disposable drug-containing module
- **Intuitive and easy to use for optimum treatment adherence**
 - Simultaneous removal of ergonomic needle safety cap and adhesive liner, minimizing steps-of-use
 - Provides live injection monitoring, audio-visual feedback, and failure mode control
 - Enhanced treatment management with a broad range of connectivity features: treatment information, historical trending, infusion status, compliance...
 - Easy pairing between device manager application and the core system
- **Ideal for complex, novel drugs administration whilst staying in line with pharma standards**
 - Enables large volume injection (up to 20ml), with adjustable parameters (i.e: flowrate, viscosities, dose volume...)
 - Specifically tailored for biologics to preserve formulation integrity
 - Compatible with standard cartridges, filling and manufacturing processes

KEY FEATURES

- **Patch-worn on-body injector**
- **Reusable:**
 - Consists of drug-containing disposable element and reusable, rechargeable onboard electronic modules
 - Locking system for safe assembly and disassembly of reusable and disposable parts
- **Ready to use:**
 - Prefilled and preloaded drug cartridge for patient's safety
 - Automatic soft canula insertion via needle safety system with hidden needle throughout the injection
 - Innovative fluid path to maintain sterility from manufacturing to device use
- **Platform approach:**
 - Provides customization flexibility for adjustments to any pathology, targeted patient population and drug posology
 - Can accommodate various drug volumes especially for large-volume administration (20ml)
- **Connected:**
 - Drug recognition and verification via NFC communication
 - Bluetooth built-in communication offers connectivity option

Symbioze



READY TO USE

'clip, patch & go'
patch worn,
prefilled and
preloaded

REUSABLE

Suitable for
different drug
platform

SMART

Robust engine,
connectivity &
live feedback

FLEXIBLE

Adjust to different
volumes, flowrates
& viscosities

PHARMA FRIENDLY

Standard filling
and assembly
preloaded

You can learn more about Symbioze at

<https://www.nemera.net/products/parenteral/wearables/>

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Find Nemera on the web at www.nemera.net

As a world-leading drug delivery device solutions provider, our purpose of putting patients first enables us to design and manufacture devices that maximize treatment efficacy.

We are a holistic partner and help our customers succeed in the sprint to market of their combination products. From early device strategy to state-of-the-art manufacturing, we're committed to the highest quality standards.

Agile and open-minded, we work with our customers as colleagues. Together, we go the extra mile to fulfill our mission.