



**SG ISS EZ-fill<sup>®</sup>:**  
Patient safety first

**The innovative  
Integrated Safety System  
for Prefilled Syringes**





A breakthrough in safety systems technology, SG EZ-fill® Integrated Safety System is an advanced, fully passive shield that prevents needle-stick injuries.

And it requires **minimal changes** to your manufacturing process.

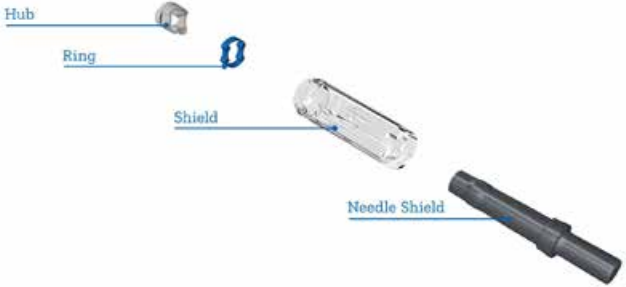


## SG EZ-fill® Integrated Safety System Key Features:

- > Fully passive system
- > Automatic shield retraction
- > Legislation compliant
- > Single solution.  
SG ISS EZ-fill® syringes come pre-assembled
- > Same container.  
The standard primary drug container of choice can be maintained

# Structure of the Integrated Safety System

A rubber needle shield inserted in a plastic shield with flexible wings, combined with a ring and a hub - all pre-assembled on the SG EZ-fill® Syringe.



## Benefits for the End-user

- **Protection:** SG ISS EZ-fill® prevents needle-stick injuries. Once the rubber needle shield is removed, there's no risk of piercing to the end-user.
- **Intuitive and easy to use:** SG ISS EZ-fill®'s automatic shield retraction and minimal activation force requirements make using it effortless.
- **Familiar user experience:** The UX is similar to that of a standard syringe.



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## Benefits for the Pharma Company

- **Minimal disruption:** There's little or no disruption of the existing standard prefilled syringe production and filling infrastructure.
- **Reduced TCO:** With SG ISS EZ-fill®, there is no need to invest in safety device assembling machines, and the associated personnel and utilities.
- **One less step:** Its Integrated system eliminates the need for assembly of an add-on safety system.
- **Secure throughout product lifecycle:** The safety system's design prevents unintentional activation of the mechanism during filling, packaging, and transport.
- **Ready to go:** SG ISS EZ-fill® is delivered sterile and ready for filling. No need to deal with adding needle-stick protection to the syringe.



# Our integrated capabilities make all of this possible

Over the past 70 years, Stevanato Group has evolved to become a **leading provider of integrated solutions**. We take a holistic approach to design, development, and manufacturing, and harmonize the different processes involved in each production phase.

We create the highest standard glass primary packaging and plastic components for the medical, pharmaceutical, and diagnostic sectors. Moreover, we build sophisticated drug delivery devices from scratch—from prototype design, all the way through to the packaging of the final commercial product.

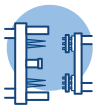
With **production facilities in 4 different continents**, advanced technology, and multi-specialty teams, our production capabilities are unmatched.

Here's how the SG ISS EZ-fill® exemplifies our integrated capabilities:

- Using the latest plastic mold technology, its shield, hub, and ring are molded in our ISO 13485 and FDA inspected facility in Germany.
- The plastic components are sub-assembled in an ISO 5 environment using SG versatile assembly equipment.
- The integrated safety system's final assembly process is carried out in the SG EZ-fill® line, where the syringes are washed, siliconized, and inserted into standard Nest & Tubs.



- **Usability**
- **Combination Products**
- SG EZ-fill® process validation
- SG ISS assembly
- Sterilization
- Validation of CCS



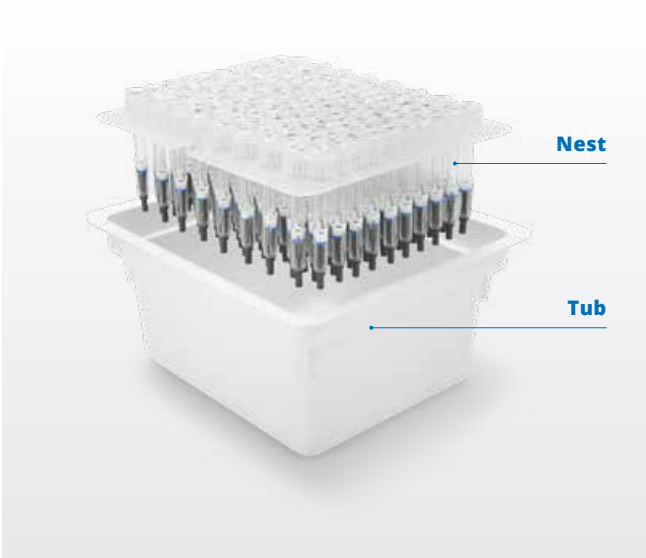
- Shield, Hub and Ring moulding
- **Assembly of ISS (ISO7)**
- Automatic inspection



- **Testing method definition**
- **Functionality tests**



- **SG ISS sub-assembly line**
- **Inspection controls** by sensors and cameras
- IPC



## SG ISS EZ-fill®: Reducing the total cost of ownership

- Material to buy
- Controls to perform
- Process complexity
- + Performance in packaging manufacturing activities

Up to -36% cost reduction of your manufacturing process

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