

UniSafe™

The springless, passive safety device for pre-fillable syringes

Designed to enhance confidence when injecting.

UniSafe™ has no spring which means:

- User confidence as the syringe barrel is unobscured
- Safer in transit
- Cost effective
- Simple final assembly



The Owen Mumford Challenge

The task here was to develop a passive safety device which can overcome challenges associated with springs in safety syringes. Typically, there are common approaches to developing a safety syringe. The first option is to start with an existing proven pre-filled syringe and build a spring driven safety mechanism around it; but this can introduce other compromises to device performance. A second is to design a completely new safety syringe to make a brand new solution, however this would necessitate the use of an unproven primary container and can therefore be considered unattractive.

It's predicted that the demand for safety syringes will increase at **9.7%** Compound Annual Growth Rate (CAGR)¹

The Solution

Owen Mumford has developed UniSafe™, a springless, passive safety device designed to work with standard, pre-fillable syringes. This means nothing that touches the drug needs to change.

UniSafe™ is designed to increase patient confidence when injecting, eliminating the possible risks and challenges of sprung syringes.

Engineering Design

Early formative studies gave Owen Mumford further confidence in the UniSafe™ concept as well as helping further enhance usability. The finger flanges have been made smoother, creating a more integrated look and feel, and the plunger head has been made larger for easier handling. It is vital to encourage adherence and help patients effectively self-manage their condition by providing devices that are intuitive and easy to use, for both patients and healthcare providers. UniSafe™

References

1. Industry Today (September 16, 2015). Safety Market ReportL A new market report published by Transparency Market Research.