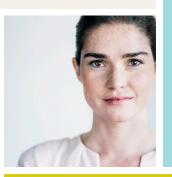
## **UniSafe**<sup>™</sup>

# The springless, passive safety device for pre-fillable syringes

# Designed to enhance confidence when injecting.

UniSafe<sup>™</sup> 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)<sup>1</sup>

#### **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<sup>™</sup> 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™

#### Reference