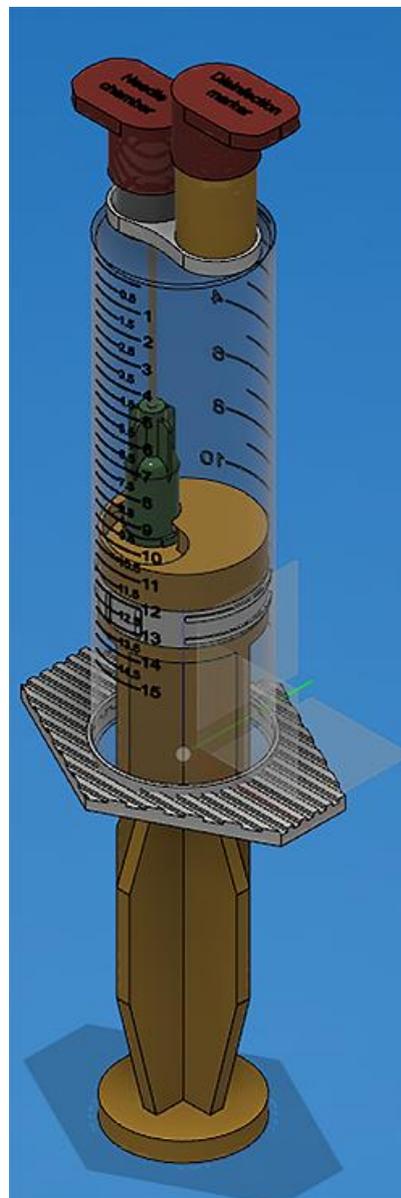


## MULTIFUNCTIONAL SYRINGE (PROTECTED HEALTHCARE WORKERS)

### TECHNOLOGY/PRODUCT OVERVIEW

This is a medical device, is a syringe, which solves the problem of the danger of infecting patients and health care workers with diseases that can be transmitted by injecting with an already used needle. With this new syringe model, you can apply the drug enormously quickly while protecting yourself. It is intended for a single use with only one use practically possible. The dosage is much easier because it has two measuring scales. The volume is 15ml but can be changed as needed is it can be produced in different sizes. The disinfection mechanism is in the syringe, and one of the novelties is that the needle has no contact with the healthcare worker applying the therapy.



## TECHNOLOGY/PRODUCT FEATURES, SPECIFICATIONS AND ADVANTAGES

The novelty of this model is that it will no longer use wiping the skin with an alcohol swab and also needle fitting which is additional waste of time. This new syringe model has its own disinfectant, the dosage of therapy is easy because there are two measuring scales that allow the most accurate dosage, the time of application of the drug does not exceed one minute, it is much shorter than in today's models. The healthcare worker has no contact with the patient while injecting the medicine. It is compatible for any type of therapy (muscle, venous ...). It is practical for one use only due to the inserted block preventing reuse. It is compatible for any size of medical needles, specifically intended for rapid intervention, precise and safe. Compared to the usage of older models, where 29.2% of healthcare workers annually suffer from a variety of illnesses such as Hepatitis B, HIV etc. With this new model that percentage will be kept to a minimum and the users of this model will be guaranteed protection.

## POTENTIAL APPLICATIONS

Primary application area are the health care institutions and health care givers (hospitals, pensions houses, rehabilitation centers, dentist clinics).

Veterinary is the second market on which this multifunctional syringe might be apply.

Syringes market worldwide is projected to grow by US\$9.7 Billion, driven by a compounded growth of 7.4%. Prefilled Syringes are poised to reach over US\$10.6 Billion by the year 2025.

## CUSTOMER BENEFITS

The application of this product is specific in clinical medicine and veterinary and also in dentistry in certain situations. It can be used in all specialties in the field of medicine but would be most needed in emergency medicine, traumatology, military medicine, because it is extremely reliable and fast for use in a very short time. In veterinary it can be extensively applicable because the animals as patients are aggressive, i.e. they react reflexively and with this model both the animal and the veterinarian are protected. This syringe can be resized to volume, too.

## TECHNOLOGY/PRODUCT READINESS LEVEL

4

**If you are interested, please respond to:**

**Mr. Balázs Mogyorósi**  
**Technology Transfer Manager,**  
**Head of TT Department**  
LC Innoconsult International  
[innovacio@lcinnocconsult.com](mailto:innovacio@lcinnocconsult.com)

