

ROBOTIC SYRINGES

J U V A +



JOUL ROBOTICS

Micro-robotic intelligence & assistance for IOL injections



REPEATABILITY

- One click full automatic process (auto-priming, pause, injection, speed and force adjustment)
- Customizable injection parameters with advanced software technology



COMFORT

- Single-hand application for optimal surgical control
- Possibility to accommodate all types of IOLs through 2.2mm incisions or less
- Automatically adapts the speed and exact localization to optimize the ad-hoc folding of the IOL



SAFETY

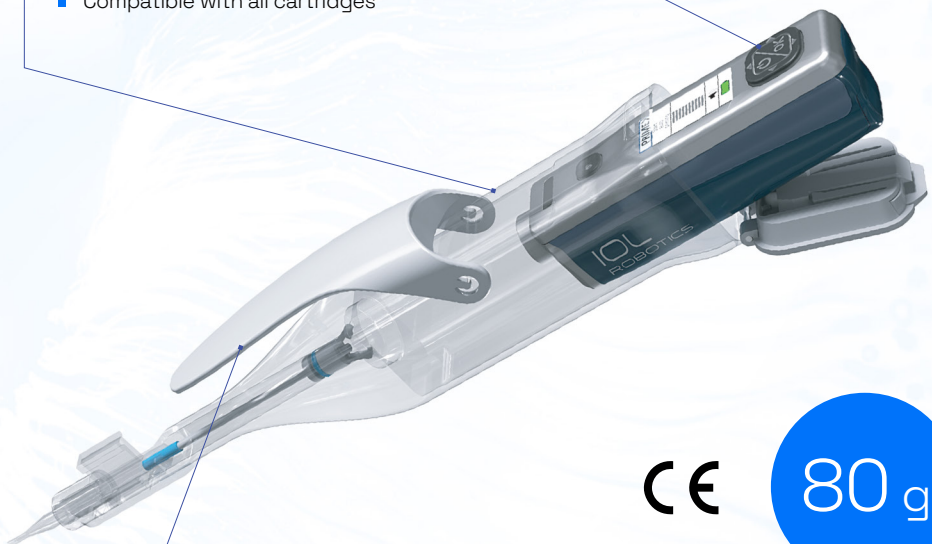
- Reduced trauma: small incision, no overshoot, no extra pressure on the eye
- Robot ensures reliable delivery of an injection and reduces failure associated with manual interventions
- Automatic stop at the exact ejection distance
- Advanced sensors and smart algorithms measuring 50 times per second

ROBOT

- Reusable, battery powered
- Variable injection speed and automatic ramp
- Reverse feature, during surgery

HOUSING

- Sterile housing allowing use in OR
- Compatible with all cartridges



CE

80 g

ACTIVATION LEVER

- Activation lever twice as close to the eye than manual injector
- Ergonomics designed to reduce parasitic hand movement

« With such a lightweight compact robot and all the technology, safety and comfort it is embedded with, we can ensure a repeatable set-up, constant injection speed and pause controls. This is what all ophthalmologists are looking for. »

Ophthalmologist feedback using a pre-series

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S W I S S T E C H N O L O G Y