



O&O mdc
Ophthalmic & Orthopaedic
medical devices consultant

“Nothing generates more value than innovation...”

The “O&O mdc” Hydrophobic IOL Preloaded System

International Patent #WO2010028873



Why our “Hydrophobic IOL Preloaded Delivery System” takes the principle lead in today’s market of ophthalmic surgery techniques:

- ✚ The “O&O mdc” **Hydrophobic IOL Preloaded System** consists of a removable **Lens Rolling System (LRS)**, moulded from biocompatible copolymers, which is designed for use in tandem with our **EasyShooter IOL Injector** and **MonoGlide** cartridges.
- ✚ Unlike other conventional delivery methods, this highly efficient and cost-effective system has the additional benefits of being extremely user friendly and requires no lens manipulation.
- ✚ Both the LRS and the MonoGlide Cartridges incorporate the “O&O mdc” special “Gliding Agent” which, depending on your packaging methods, gives an expiry date of two to three years.

O&O mdc Ltd.

1 West Street, Lewes, East Sussex,
BN7 2NZ, United Kingdom
A Private Limited Company N°4304596
VAT# GB932472231

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Website: www.oo-mdc.com
Email: info@oo-mdc.com

O&O mdc S.r.l.

Via Macchia dello Sterparo, 31-2D
00044 Frascati, Italia.
P.IVA – CF: IT09539461005

- ✚ The **MonoGlide** cartridge, depending on whether the surgical technique used is docking or traditional, enables the surgeon to make a microincision of between **2.00 mm** and **2.60 mm**.
- ✚ The **MonoGlideMini** cartridge allows the surgeon to control the IOL injection via a sub microincision of only **1.70 mm** and **2.20 mm**, subject to the surgical technique used. This is, however, conditional on the elasticity of the hydrophobic material used.



MonoGlide Cartridge

Using the Hydrophobic IOL Preloaded Delivery System:

The Lens Rolling System, preloaded with your IOL, is delivered clipped directly to the top of the Injector body and, by means of a simple mechanical action, folds the IOL into the optimum position and pushes it through the Lens Rolling System into the MonoGlide cartridge.

- ✚ Remove the Security Cap, (Fig.1).
- ✚ The viscoelastic solution is injected through the two open oblong holes, (Fig.2).
- ✚ Simply slide the glider down to drive the silicone pusher forward to fold and load the IOL into the MonoGlide cartridge, (Fig.3).
- ✚ Remove the LRS from injector body, (Fig. 4), and use the EasyShooter Injector as a normal, lightweight IOL Delivery System.
- ✚ Gently push the injector stopper until it touches the viscoelastic and the IOL.
- ✚ Apply slight pressure to glide the viscoelastic and the IOL into the cartridge barrel.



Fig.1



Fig.2



Fig.3



Fig.4

- ✚ Drive the IOL through the cartridge funnel, (Fig.5).
- ✚ Insert the cartridge tip into the incision and towards the capsulorhexis.
- ✚ Deliver the IOL into the patient's eye by applying an even pressure on the push button, (Fig 6). Push the lens through slowly and monitor the release of the IOL from the cartridge carefully, finishing before the yellow silicone stopper reaches the end of the cartridge tip.



Fig.5

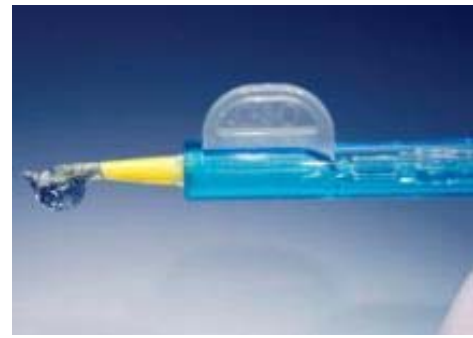


Fig.6

Injector Packaging:

- ✚ The “O&O mdc” Hydrophobic IOL Preloaded System can be individually packed in blisters, to ensure perfect sterile conditions. This affords an ease of use and provides a means for excellent presentation to your clients.
- ✚ IOL manufacturers can choose different methods of sterilisation for their own IOL inside the Preloaded System, such as Gamma, EtO or H₂O₂ Plasma.
- ✚ Blue PETG blister pre-cut sheets and Tyvek® lids (ALP 24 coated) are available in the following dimensions:

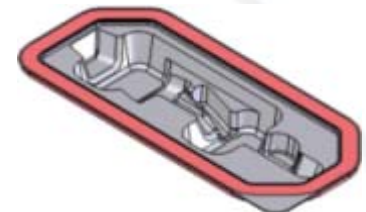
Single Blister Pack: 180mm x 83mm

Double Blister Pack: 180mm x 80mm (inner blister)
205mm x 105mm (outer blister)

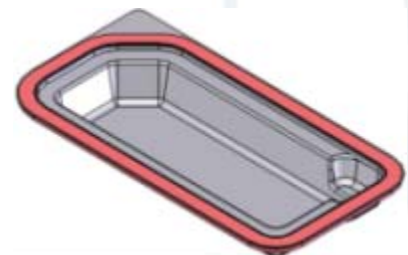
- ✚ “O&O mdc” customers now have the opportunity of making up their own blister packs by buying flat PETG sheets and Tyvek® Lids and using the Universal Blister Packing machine, available from Tommy Nielsen in Denmark. <http://www.tommy-nielsen.dk>



Single Blister Pack: 180mm x 83mm



Double Blister Pack (Inner Blister):
180mm x 80mm



Double Blister Pack (Outer Blister):
205mm x 105mm

The “O&O mdc” “Hydrophobic IOL PRL Delivery System” is available in a variety of colours.

For any queries or comments, please contact:

Cinzia MEUNIER, Email: sales@oo-mdc.com

Thank you for choosing the “O&O mdc” Hydrophobic Preloaded IOL Delivery System.