Effective Daily EyeCare and Protection

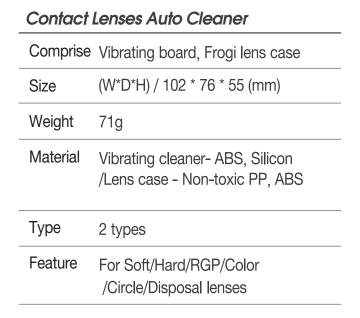
### MioTTiCA



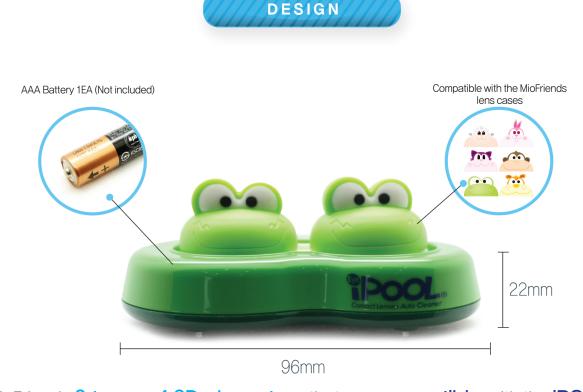






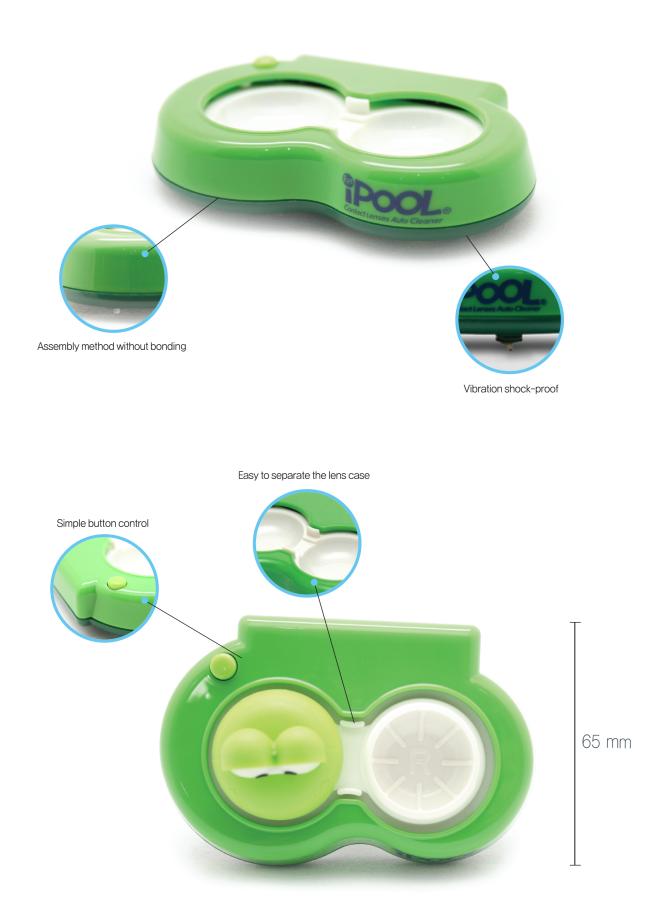






MioFriends 6 types of 3D characters that are compatible with the iPOOL





MioFriends 6 types of 3D characters that are compatible with the iPOOL





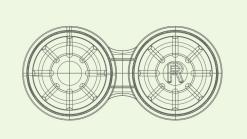
# HAND MADE

Non-adhesive **hand—made** assembly method with10 different parts The products are manufactured **with 100% manual work** as Miottica does not utilize any glues or an adhesive.



# PACKAGE

The package has been designed to be seen at a glance, and to be displayed in any circumstances.



# DIFFERENCE

A **new internal design** that maintains the separation of the Impurities and contact lenses that differs from other companies.



## Hygienic Lens cleaner

Unlike the low-priced lens cleaner where the case is undetachable, the Miottica's lens cleaner is easy to be detached and cases are replaceable for a hygienic use

#### Replacement of 3 months elapsed lens case is recommended by FDA and Korea Food & Drugs Administration.

#### Cleaner using method



Please detach the case from the board and put the lens into the case after filling the solution.



Press the button to start the device and Press it again to stop after running it for 3~5 minutes.

(You may extend the operational time if the device is lack in cleaning)





Please put the case in the middle of the board and press it down to make sure they are attached together.





After the cleaning, please detach the case from the board and pour the solution out of the lens case and store the case by air drying.

## iPOOL ver.2

01

 $\mathbf{03}$ 

Release of iPOOL second generation with Disney



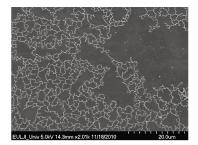




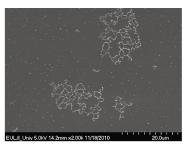
#### Proteins removal capability

#### iPOOL vibrating auto cleaner SOFT(Contact lens) cleaning test

The following data report has been made by the Optometry Dept, from the Eulji University on 15th of November 2011 for 3 days, testing the iPOOL vibrating auto cleaner's capability of cleaning proteins with 6 highly hydrous contact lenses. You can clearly see the protein residues on the surface of the lenses being reduced after cleaning for 5 minutes,



Before the Operation



After 3 minutes of Operation



After 5 minutes of Operation

#### Test Outline

Purpose of Test: Verification of capability to clean proteins on contact lens Surfaces by operation of iPOOL vibrating auto cleaner. Title of Test : [iPOOL vibration cleaner cleaning Test Report] Test Place: Optometry Dept, EULJI UNIVERSITY Test Period: Nov 15, 2011 $\sim$  Nov 17,2011 (3days) Test Specimen: SEM Protein: Highly hydrous lenses ( Acuvue Etaficon contact lens 6pcs ) (Reason for use of highly hydrous contact lens; stronger protein adsorption then normal ones)

Experimental equipment: Electron microscope-[S-4700] of Hitachi, Japan



• The content of CE certificate

#### Test Method

Use of artificial protein, 3 pairs of highly hydrous contact lenses on the condition of consecutively wearing for 16 hours. Put multi purpose solution and specimen in iPOOL

Vibrating auto cleaner and operate for 3 to 5 minutes each to clean.

Take microphotograph using electron microscope in order for a cleaning results of the specimen.

#### Test Results

The longer operation of the iPOOL vibrating auto cleaner, less lipids found in the contact lens surface. As seen on the microscope film, in case of 5 minutes of operation, almost of lipids were cleaned except for Sodium chloride crystals. Therefore, normal RGP (Hard) contact lens user are recommended to operate  $3\sim5$  minutes.





#### Lipids removal capability

#### iPOOL vibrating auto cleaner RGP(Hard lens) cleaning test

The following data report has been made by the Optometry Dept, from the Eulji University on 10th of December 2012 for 7 days, testing the iPOOL vibrating auto cleaner's capability of cleaning lipids. You can clearly see the lipid residues on the surface of the lenses being reduced after cleaning for 5 minutes,



Before the Operation



After 3 minutes of Operation



After 5 minutes of Operation

#### Test Outline

Purpose of Test: Verification of capability to clean proteins on contact lens Surfaces by operation of iPOOL vibrating auto cleaner. Title of Test : [iPOOL vibration cleaner cleaning Test Report] Test Place: Optometry Dept, EULJI UNIVERSITY Test Period: Dec 10, 2012~ Dec 17,2012 (7days) Test Specimen: SEM Lipids: Artificial Lipids Contact lens: Boston XO material RGP (Hard) (Reason for use of Boston XO contact lens; Stronger lipids adsorption Then normal ones, also this material is most used RGP in the world) Experimental equipment: Electron microscope– [S–4700] of Hitachi, Japan

#### Test Method

Conditions: use of artificial lipids, put on 3 pairs of XO lenses on the shaking condition for 24 hours. Put solution and specimen in the iPOOL Vibrating auto cleaner and operate for 3 to 5 minutes each to clean. Take microphotograph using electron microscope in order for cleaning results of the specimen. Microphotograph condition Acceleration voltage 10KV

#### Test Results

The longer operation of the iPOOL vibrating auto cleaner, less lipids found in the contact lens surface. As seen on the microscope film, in case of 5 minutes of operation, almost of lipids were cleaned except for Sodium chloride crystals. Therefore, normal RGP (Hard) contact lens user are recommended to operate  $3\sim5$  minutes,



#### Certificates

MioTTiCA FRIENDS Lens case has completed in passing the test and obtained many certificates in Europe, Japan, and America including the domestic country.

#### domestic



●Anti-Bacterial Contact lens case test report Test place: Korea Testing and Research Institute Test period: January 2005



Silver content rate test report Test place: Korea Testing and Research Institute Test period: January 2008



●Trademark rights : 'Miottica' Other Kinds : 4 parts



• Utility model rights : Contact lens vibrating auto cleaner Other rights : 2 parts



 Patent rights : Contact lens vibrating auto cleaner and storage devices.
Other rights : 1 part



 Design rights : Contact lens vibrating auto cleaner
Other rights : 19 parts

#### international



Doggy & Catty contact lens case
Other rights : 2 parts (Europe)



 ●iPOOL contact lens vibrating auto cleaner utility model rights
Other rights : 2 parts



●Frogi contact lens case
Other rights : 4 parts (China)

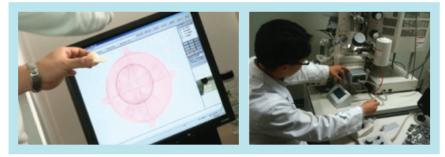


Doggy & Catty contact lens case
Other rights : 1 part (America)

Technology&Know-how

## "We think the safety and hygiene first"

Global leading company in contact lens care item *MioTTiCA*<sup>®</sup> technical products



The only industry that reserves and operates R&D research institute

Under the motto of

'The provider of Safe and Convenient lens care products for eye health', Miottica secures various academics and global network with retaining different certificates and 40 kinds of patents in domestic country.

We also have applied and retained 30 kinds of patents in Europe, China, Hong Kong, and Japan to strengthen the core technology.





Different Patent certificates

