# Products for Dentistry

**OSUNG Catalogue 2017・2018**

## DIAGNOSTIC

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# Diagnostic Explorers

<table>
<thead>
<tr>
<th>Detail of Explorer</th>
<th>Type of Explorers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Working end (Tip 1~2mm)**

- **Functional Shank**

- **Handle**

- **Straight Type**
  - Subgingival calculus and caries

- **Shepherd Hook Type**
  - Subgingival calculus and caries

- **Curved Type**
  - Deep pocket and Furcation

- **Orban-Type**
  - Root surface on anterior detection and Facial & Lingual on posterior

- **11/12-Type**
  - Calculus on anterior and posterior, inspect root surface

- **Endo Type**
  - Root canal entrance

- **Pigtail Type & Cowhorn Type**
  - Detection for periodontal pocket not deeper than a third dental root cervical or gingival subus calculus.

It is to detect dental caries or calculus with a sharp point at the end.
Diagnostic

Explorers

The explorer provides the tactile information to the clinician’s fingers and is used to locate calculus deposits, tooth surface irregularities, defective margin on restorations, decalcified areas and carious lesions.

Silicone Handle_Double-End

<table>
<thead>
<tr>
<th>Autoclaveable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2EXD6H</td>
</tr>
<tr>
<td>• Shepherd Hook Type + Orban Type</td>
</tr>
<tr>
<td>• Rigid type.</td>
</tr>
<tr>
<td>• For subgingival calculus and caries</td>
</tr>
<tr>
<td>2EXD5W</td>
</tr>
<tr>
<td>• Shepherd Hook Type + Orban Type</td>
</tr>
<tr>
<td>2EXD17-23</td>
</tr>
<tr>
<td>• Shepherd Hook Type + Orban Type</td>
</tr>
<tr>
<td>2EXD5-8</td>
</tr>
<tr>
<td>2EXD016</td>
</tr>
<tr>
<td>• Used to detect the gate of the canal.</td>
</tr>
</tbody>
</table>
Diagnostic Explorers

Metal Handle Double-End

EXD9H
- Shepherd Hook Type + Orban Type
- Rigid type, For subgingival calculus and caries

EXD5W
- Shepherd Hook Type + Orban Type

EXD17-23
- Shepherd Hook Type + Orban Type

EXD54-17H
- Shepherd Hook Type + Orban Type

EXDG16
- Used to detect the gate of the canal

EXD11-12
- For subgingival root examination

EXD3CH
- Cowhorn Type

EXD2
- Pigtail Type
**Diagnostic Explorers**

### Semi-Silicone Handle_Double-End

- **1** RIGID TIP To remove cement
- **2** SILICONE HANDLE To lessen wrist fatigue
- **3** METAL HANDLE Need delicate sense
- **4** FLEXIBLE TIP For checking caries, calculus & margin

**Metal Handle_Single-End**

- **EXS6** - Straight type
- **EXS8L** - Straight type
- **EXS6XL** - Straight type
- **EXS3** - Curved Type
  - For detecting calculus of shallow periodontal pocket or gingival sulcus.

**EXS23HL** - Shepherd Hook Type

**EXS23W** - Shepherd Hook Type

**EXS4H** - Shepherd Hook Type

**EXS3A** - Curved Type

Useful for detection of calculus on furcation and deep periodontal pocket.
Diagnostic

Mirrors

Fine materials & high-tech engineering process

Glass : High quality Japanese glass
Waterproof : Sealed by silicone to protect the reflection layer of glass
Durability : Double welded

What is front surface mirror?

Front Surface Mirror

Front surface mirror

- Reflection layer exists on the front side of the mirror.
- As it has no secondary image, it is mainly used in endodontic treatment.

Rear Surface Mirror

Plain mirror
(rear surface mirror)

- Reflection layer exists on the rear side of the mirror.
- It is durable and economical in price, but it has ghost image.

Choice of size of mirror

Dia 20mm, Suitable for children
Dia 22mm, Popular size
Dia 24mm, Used for wider view

Metal Handle

MHS • 10 piece packet
MHC • 10 piece packet
## Mirrors

### Silicone Handle_Simple Stem
- **Autoclavable**

<table>
<thead>
<tr>
<th>2MHS1</th>
<th>- 5 piece packet</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.jpg" alt="Image" /></td>
<td><img src="image2.jpg" alt="Image" /></td>
</tr>
</tbody>
</table>

### Silicone Handle_Cone Socket
- **Autoclavable**

<table>
<thead>
<tr>
<th>2MHC1</th>
<th>- 5 piece packet</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.jpg" alt="Image" /></td>
<td><img src="image4.jpg" alt="Image" /></td>
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</table>

<table>
<thead>
<tr>
<th>2MHC2</th>
<th>- 5 piece packet</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5.jpg" alt="Image" /></td>
<td><img src="image6.jpg" alt="Image" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2MHC3</th>
<th>- 5 piece packet</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image7.jpg" alt="Image" /></td>
<td><img src="image8.jpg" alt="Image" /></td>
</tr>
</tbody>
</table>
## Diagnostic

### Mirrors

#### Mouth Mirror (Rear Surface)

**SS Type**
- DMSS3
  - Simple Stem No.3 (20mm)
  - 12pcs
- DMSS4
  - Simple Stem No.4 (22mm)
  - 12pcs
- DMSS5
  - Simple Stem No.5 (24mm)
  - 12pcs

**CS Type**
- DMCS3
  - Cone Socket No.3 (20mm)
  - 12pcs
- DMCS4
  - Cone Socket No.4 (22mm)
  - 12pcs
- DMCS5
  - Cone Socket No.5 (24mm)
  - 12pcs

#### Mouth Mirror (Front Surface)

**One-Sided**
- DMFS5
  - Simple Stem No.5 (24mm)
  - 12pcs
- DMFS4
  - Simple Stem No.4 (22mm)
  - 12pcs

**Double-Sided**
- DMFS5
  - Cone Socket No.5 (24mm)
  - 12pcs
- DMFS4
  - Cone Socket No.4 (22mm)
  - 12pcs

#### Magnifying Mirror

**SS Type**
- DMSS4
  - Simple Stem No.4 (22mm)
  - 5pcs
  - 3 times magnified

**CS Type**
- DMCS4
  - Cone Socket No.4 (22mm)
  - 5pcs
  - 3 times magnified

#### Plastic Mouth Mirror

- DMA PA
  - SKY BLUE
- DMA PB
  - WHITE
# Diagnostic

## Mirrors

### Spoon Mirror

- **DMPM**
  - Front surface mirror
  - Use for multi-purpose

### Oversized Mirror

- **DMEM**
  - Front surface mirror
  - Use for multi-purpose

### DMS39
- Front surface
- Big size of Dia 38mm
- Convenient to use as the angle of mirror can be adjustable.

### Para Mirror

- **Autoclavable**

### DMPRA
- Anterior

### DMPPR
- Posterior

### DMPRSET
- 1pc of DMPRA & 1pc of DMPPR
- To check parallelism of insert line of prosthetic appliance during preparation
- Useful to check direction & implant site of fixture during implant surgery

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* normalsize

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* normalsize
**Photo Mirrors-Glass**

**Ours has reflectivity of 94-97%**
- General Mirror: 85%
- Other photo mirror for dentistry has reflectivity of 65-80%

**Best quality and most competitive prices**

<table>
<thead>
<tr>
<th>Type of Coating</th>
<th>Value of Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR Coating</td>
<td>94-97%</td>
</tr>
<tr>
<td>German Ultra Bright Coating</td>
<td>Around 95% (Not Clearly Announced)</td>
</tr>
<tr>
<td>America and German Rhodium Coating and Titanium Coating</td>
<td>70-80%</td>
</tr>
</tbody>
</table>

**The world-best reflectance having a range of 94-97% in the visible spectrum!**

1. Highly-reflective coating technology
2. Coating technique that strengthens anti-scratch capability

**Glas**
- Has clear image but breakable

- **DM5G**
  - Occlusal
  - Adult Size
  - Unit (mm)

- **DM1G**
  - Occlusal
  - Large (Adult Size)
  - Unit (mm)

- **DM3G**
  - Occlusal
  - Medium (Adult Size)
  - Unit (mm)

- **DM5G**
  - Occlusal
  - Small (Pedo Size)
  - Unit (mm)

- **DM2G**
  - Buccal
  - Adult Size
  - Unit (mm)

- **DM4G**
  - Lingual
  - Adult Size
  - Unit (mm)
Photo Mirrors-Metal

Handle Photo Mirror (Metal)

DMHL
- Occlusal, Large
- Unit (mm)

DMHM
- Occlusal, Medium
- Unit (mm)

DMHS
- Occlusal, Small
- Unit (mm)

DMHLLT
- Lateral
- Unit (mm)

Metal
- Has less clear image than glass but not breakable.

DME1
- Occlusal
- Large (Adult Size)
- Unit (mm)

DME3
- Occlusal
- Medium (Adult Size)
- Unit (mm)

DME5
- Occlusal
- Small (Pedo Size)
- Unit (mm)

DME2
- Buccal
- Adult Size
- Unit (mm)

DME4
- Lingual
- Adult Size
- Unit (mm)

Normal photo mirrors should be used with the middle area held by fingertips as they have no handle. Handle photo mirrors can be held conveniently as they have silicon handle.

- Sufficient mirror length by 7th teeth.
- As the handle makes the surface of the mirror uncontacted to floor, the mirror becomes free from the scratch.
- Stainless steel.
Good image focus is difficult because mirrors tend to fog in mouth due to breathing and the light from a dental unit may be reflected to some extent by the mirror.

Even though these mirrors have already been specially coated to resist fogging, a combination of additional steps such as air syringes and hot water dipping are frequently taken in the clinic for defogging.

The air syringe or hot water dipping are only briefly effective and must be continuously applied, particularly if multiple photographs need to be taken.

Both methods require additional staff to help defog.

Conventional lighting may be lost by the mirror making a clear problem of reflection needs to be overcome by an alternative light source.

We would like to introduce a new device which defogs and improves focus with fewer assistants and less photography time than the conventional method.
**Diagnostic**

**Photo Mirror_FF-Photo**

**FF-Photo (Fog-Free Intraoral Photo Mirror)**
- It fits with "FF-Photo Metal" mirrors only.

**DMBF-220**
Consists of:
- FF-PHOTO 1EA
- Occlusal Mirror, Adult standard size 1EA
- USB charging cable 1EA

**FF-Photo_Glass**
- It fits with any kinds of glass photo mirrors from any companies.

**DMBF-220**
Consists of:
- FF-PHOTO 1EA
- USB charging cable 1EA
### Diagnostic Probes

#### Type of Probes

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Measurements</th>
</tr>
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<tbody>
<tr>
<td>Novatec</td>
<td>Effective to approach molar area</td>
<td>3-6-9-12</td>
</tr>
<tr>
<td>Goldman-Fox</td>
<td>Flat tip</td>
<td>1-2-3-6-7-8-9-10</td>
</tr>
<tr>
<td>Williams</td>
<td></td>
<td>1-2-3-5-7-8-9-10</td>
</tr>
<tr>
<td>WHO</td>
<td>0.5 ball type's tip</td>
<td>3,5-5,5-8,5-11,5</td>
</tr>
<tr>
<td>Nabers</td>
<td>Useful root fucntion involvement with long and bended tip</td>
<td>3-6-9-12</td>
</tr>
<tr>
<td>CP 2</td>
<td>Color graduation in 2-4, 6-8,10-12mm</td>
<td>2-4-6-8-10-12</td>
</tr>
<tr>
<td>CP 11</td>
<td>Color graduation in 3-6, 8-11mm</td>
<td>3-6-8-11</td>
</tr>
<tr>
<td>CP 12</td>
<td>Color graduation in 3-6, 9-12mm</td>
<td>3-6-9-12</td>
</tr>
<tr>
<td>UNC 15</td>
<td>Color graduation in 1-15mm</td>
<td>1-2-3-4-5-6-7-8-9-10-11-12-13-14-15</td>
</tr>
</tbody>
</table>

### Practice

**Ball-End**

Ball-End probe increases tactile sensivity and gives a more accurate picture of gingival pocket depth. Also it doesn’t damage tissue.
Probes

1. Determine the consistency of the gingival tissue
2. Survey sulcus and pocket depths
3. Measure clinical attachment levels
4. Measure the width of attached gingiva
5. Verify whether bleeding and/or purulent exudate is in presence

Silicone Handle_Single-End

AutoClavable. It measures the depth of periodontal pocket, height of attachment, anatomical shape and bleeding of gingiva.

- 2BPCP8

- 2BPUNC15

- 2BPCP12

Implant Probe

AutoClavable.

- 3BPCP12

*5 piece packet

It fits SS type mirror handle. The packet doesn’t include any handle.
Diagnostic Probes

Metal Handle Single-End

Ball End

- Williams
- Ball-End type

Ball End

- WHO
- Ball - End type

International standard product by ISO

1-2-3-5-7-8-9-10
3.5-5.5-8.5-11.5
2-4-6-8-10-12
3-5-8-11

BPWB
BPWHO
BPCP2
BPCP8
BPCP10
BPCP11
BPCP12
BPUNC15
Diagnostic

Probes

1. Determine the consistency of the gingival tissue
2. Survey sulcus and pocket depths
3. Measure clinical attachment levels
4. Measure the width of attached gingival
5. Verify whether bleeding and/or purulent exudate is in presence

Metal Handle Double-End

It measures the depth of periodontal pocket, height of attachment, anatomical shape and bleeding of gingiva.

**Goldman-Fox + Williams**

- **BPGF-W**

**Nabers**

- **BPQ2N**
  - To measure horizontal and vertical pocket depth of multi-rooted teeth in function areas.

**Novatec with CP12**

- **BPCP12N**
  - Left tip has curved 90° is for anterior and helps to measure even little opened mouth. Right tip is adopted BPCP12 popular.

**Probe X**

- **BPW15**
  - The both of tips are bent with 15° at 3mm point from tip end and this helps to measure depth following curved teeth in status of a little opened mouth.
Diagnostic

EX-Probes

Ex-Probe is an excellent combination instrument for dental diagnostics. It has an explore tip on one end and a probe tip on the other.

<table>
<thead>
<tr>
<th>Metal Handle_Double-End</th>
</tr>
</thead>
<tbody>
<tr>
<td>XP28-WHO</td>
</tr>
<tr>
<td>- EXS23 with WHO</td>
</tr>
<tr>
<td>Ball end</td>
</tr>
<tr>
<td>XP23-W</td>
</tr>
<tr>
<td>- EXS23 with Williams</td>
</tr>
<tr>
<td>XP23-B</td>
</tr>
<tr>
<td>- EXS23 with CPB</td>
</tr>
<tr>
<td>XP23-12</td>
</tr>
<tr>
<td>- EXS23 with CP12</td>
</tr>
</tbody>
</table>
Diagnosis

Tweezers

Stainless steel made
Precise, steady serration on the tip gives no slide or twist when taking material.

**Tweezer**

![Image of Tweezers]

- **PC1**
  - Length: 164mm (± 5mm)

- **PCW150**
  - Length: 151mm (± 5mm)
  - Wide grip for easy taking

- **PCU155**
  - Length: 155mm (± 5mm)
  - Has shape with one bending angle;
  - Use to suture for surgical knot or take surgical sponge;
  - Use to place transplant tissue.

**Practice**

- **General**: shape of two bending angles.
- **Utility tweezer**: shape of one bending angle.

**Locking Plier**

- **PCU155**
  - Length: 155mm (± 5mm)
  - Easy to take material as it has locking function.

- **FAPCUL155**
  - Length: 155mm (± 5mm)
  - Easy to take material as it has locking function.
  - Useful to move material as it has furrow inside tip
Diagnostic

Retractors • Lip Widers

Lip Retractor with Anterior Shield

1. Will prevent water from jumping up to the face and giving patient comfort feeling during the process of anterior maxillary tooth preparation.

2. Adult size

<table>
<thead>
<tr>
<th>RTLAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 2pcs</td>
</tr>
<tr>
<td>- Autoclave is not available</td>
</tr>
</tbody>
</table>

How to use

1. Press retractor up & down by hand and retract cheek with mirror in order to put one side and then put the other side.
2. Wash and disinfect with EO gas or antiseptic solution only after use.

Plastic Lip Wider

- It is made of plastic but autoclavable.
- Sterilize at autoclave (132°C)
- Place product on flat surface to prevent deformation during autoclave.
- Keep goods away from heat-line of autoclave during sterilization.

For having lip wide for intra-oral photography.

This Lip Wider is used for tooth whitening treatments.

RTCP S1
- Large Size, 2pcs
- Size A: 120mm/B:43.5mm

RTCP S2
- Large Size, 2pcs
- Size A: 130mm/B:42mm

RTCP S3
- Medium Size, 2pcs
- Size A: 118mm/B:55mm

RTCP D1
- Small Size, 2pcs
- Size A: 97mm/B:70mm
Retractors • Lip Widers

**Lip and Tongue Retractor**

- For earning easy impression / possible to use during implant or surgical surgery

**RTL5**

- Using Lip retractor, you don’t need to use multiple mirrors during earning upper jaw impression.

**RTTG**

- Using both Lip retractor and Tongue retractor simultaneously, you can reduce amount of work during earning lower jaw impression. It is available during implant operation or surgical operation.

**Lip and Cheek Retractor**

**RTCAL**

**RTCRC**

- Columbia

* Surgical Retractor 103 page
Diagnostic

Mouth Props • Suction Tips

Mouth Prop

- Autoclavable

![Mouth Prop Diagram]

- It is not rotated as disposable suction tip is fixed twice.

Suction Tip (Stainless Steel)

- The body and the tip are made with stainless steel which would not cause any discoloration or peeling away of coating.
- This suction tip can be used semi-permanently.

![Suction Tip Diagram]

- It has thick round tip-end in order not to hurt soft tissue.
- Popular type

- Inner diameter Ø4
- Outer diameter Ø7

![Suction Tip Diagram 2]

- It makes reach area hard to access easily due to small outer size of tip.

- Inner diameter Ø4.6
- Outer diameter Ø6