OPERATIVE ROOM TRAINING
OSCAR has been designed and built in accordance with ISO 13485:2003 Quality Assurance standard for medical devices and Part 820 of the Title 21 of the Code of Federal Regulations of the USA. CE conformance has been certified and the equipment complies with BSEN60601-1.
COMPONENTS
Overview

OSCAR Generator

- Requires access to mains power
- MUST be outside the sterile field

OSCAR Sterilisation Tray

- Contents: handsets, cables and tools
- MUST be kept sterile for use in sterile field
**Instruments**

**Tray Contents:**
- 3 Handsets: 2x cement removal (silver) and 1x bone cutting (gold)
- 2x cables
- 1x Slap Hammer
- Spanners: 2x 8/9mm and 1x 7mm

**Handsets**

**OSCAR Cement Removal Probes**
- Individually packed, sterile and single-use
- Cement removal ONLY
- Use with cement removal handset ONLY
- Screw directly onto the handset or via extension bars
- Variations include:
  - Groover probes
  - Scraper probes
  - Piercer probes
  - Acetabular probes

**OSCAR Bone Cutting Probes**
- Individually packed, sterile and single-use
- Bone cutting (uncemented revisions) ONLY
- Used with bone cutting (gold) handset ONLY
- Screw directly onto the handset
- No extension bars required
- Three variations:
  - Flat
  - Serrated
  - Curved Serrated
### PROBE SELECTION

#### Cement Removal

<table>
<thead>
<tr>
<th>Piercer</th>
<th>Scraper</th>
</tr>
</thead>
</table>
| • Designed to create clear channels in the cement  
  • Molten excess cement is cleared through the perforations in the head of the probe  
  • Options:  
    • 6mm Ø 180mmL OHP2062SU  
    • 8mm Ø 80mmL OHP2080SU  
    • 10mm Ø 80mmL OHP2100SU  
    • Flat 96mmL OHP218FSU | • Designed to clear channels of excess cement  
  • The probe is advanced down a channel and drawn smoothly backwards, collecting excess cement in the recess between the probed head and stem  
  • Options:  
    • 6mm Ø 180mmL OHS2062SU  
    • 8mm Ø 80mmL OHS2080SU  
    • 10mm Ø 80mmL OHS2100SU |

<table>
<thead>
<tr>
<th>Hoe</th>
<th>Acetabular</th>
</tr>
</thead>
</table>
| • Designed to remove cement in narrow canals, such as the upper limb  
  • The probe is advanced down a channel and drawn smoothly backwards, collecting excess cement in the recess between the probed head and stem  
  • Options:  
    • 6mm Ø 180mmL OHH2062SU  
    • 8mm Ø 180mmL OHH2081SU | • Designed to create channels in cement bonding the acetabular component  
  • The probe is advanced in line with the curvature of acetabular cup circumferentially around the acetabulum  
  • Options:  
    • 100 mmL OHA2030SU |

<table>
<thead>
<tr>
<th>Groover</th>
<th>Extraction and Slap Hammer</th>
</tr>
</thead>
</table>
| • Designed to make longitudinal channels in the cement  
  • The probe is advanced into the cement, using the cutting blades on the lateral aspects of the probe head  
  • Excess molten cement is cleared through the perforations in the head of the probe  
  • OHG2020SU | • Designed to remove large intact pieces of cement and cement plugs  
  • The probe is advanced into the cement and left to re-solidy around the head  
  • The handset is removed and the slam hammer is screwed in used to mechanically draw out the cement  
  • EXP2681SU |
**Bone Cutting**

**Osteotomes**

- Designed to remove osseointegrated prostheses
- The thin probes have serrated edges which can be advanced through the cancellous bone prosthesis interface
- Options:
  - Flat OHFO2060SU
  - Serrated OHHSO2060SU
  - Curved Serrated OHC2SO2060SU

**Example of probe configuration**

<table>
<thead>
<tr>
<th>Flight Case</th>
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</thead>
<tbody>
<tr>
<td><strong>8mm Piercer</strong> OHP2080SU</td>
</tr>
<tr>
<td><strong>8mm Piercer</strong> OHP2080SU</td>
</tr>
<tr>
<td><strong>8mm Scraper</strong> OHS2080SU</td>
</tr>
<tr>
<td><strong>8mm Scraper</strong> OHS2080SU</td>
</tr>
<tr>
<td><strong>10mm Piercer</strong> OHP2100SU</td>
</tr>
<tr>
<td><strong>10mm Piercer</strong> OHP2100SU</td>
</tr>
<tr>
<td><strong>10mm Scraper</strong> OHS2100SU</td>
</tr>
<tr>
<td><strong>10mm Scraper</strong> OHS2100SU</td>
</tr>
<tr>
<td><strong>10mm Scraper</strong> OHS2100SU</td>
</tr>
<tr>
<td><strong>6mm Hoe</strong> OHH2062SU</td>
</tr>
<tr>
<td><strong>6mm Hoe</strong> OHH2062SU</td>
</tr>
<tr>
<td><strong>6mm Hoe</strong> OHH2062SU</td>
</tr>
<tr>
<td><strong>6mm Hoe</strong> OHH2062SU</td>
</tr>
<tr>
<td><strong>6mm Flat Piercer</strong> OHP218FSU</td>
</tr>
<tr>
<td><strong>6mm Flat Piercer</strong> OHP218FSU</td>
</tr>
<tr>
<td><strong>6mm Flat Piercer</strong> OHP218FSU</td>
</tr>
<tr>
<td><strong>6mm Flat Piercer</strong> OHP218FSU</td>
</tr>
<tr>
<td><strong>6mm Curved Scraper</strong> OHS2062SU</td>
</tr>
<tr>
<td><strong>8mm Flat Piercer</strong> OHP218FSU</td>
</tr>
<tr>
<td><strong>8mm Flat Piercer</strong> OHP218FSU</td>
</tr>
</tbody>
</table>

See Over Page for re-usable Probes and other components included in autoclave tray. For use with Bone Cutting Osteotome ONLY
Extension Bars

**Piercer Probes**

- 6mm Ø 180mm L OHP2062SU **DO NOT USE EXTENSION REDUCER BAR**
- 8mm Ø 80mm L OHP2080SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**
- 10mm Ø 80mm L OHP2100SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**

**Scraper Probes**

- 6mm Ø 180mm L OHS2062SU **DO NOT USE EXTENSION REDUCER BAR**
- 8mm Ø 80mm L OHS2080SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**
- 10mm Ø 80mm L OHS2100SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**

**Hoe Probes**

- 6mm Ø 180mm L OHH2062SU **DO NOT USE EXTENSION REDUCER BAR**
- 8mm Ø 180mm L OHH2081SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**
Extension Bars

Flat Piercer Probes

• Flat 96mm L OHP218FSU MUST USE REDUCER BAR OHR2000

Extraction Probes

• EXP2681SU OPTIONAL USE WITH EXTENSION REDUCER BAR OHE2000

Acetabular Probe

• 100 mmL OHA2030SU OPTIONAL USE WITH EXTENSION REDUCER BAR OHE2000
<table>
<thead>
<tr>
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<th></th>
<th></th>
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<tbody>
<tr>
<td>OHP218FSU</td>
<td>8mm Flat Piercer</td>
<td>YES</td>
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<td>NO</td>
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<tr>
<td>OHP2080SU</td>
<td>8mm Piercer</td>
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<tr>
<td>OHS2080SU</td>
<td>8mm Scraper</td>
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</tr>
<tr>
<td>OHP2062SU</td>
<td>Slim 6mm Piercer</td>
<td>NO</td>
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<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OHP2100SU</td>
<td>10mm Piercer</td>
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<tr>
<td>OHS2100SU</td>
<td>10mm Scraper</td>
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<td>YES</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>OHS2062SU</td>
<td>Slim 6mm Scraper</td>
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<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OHA2030SU</td>
<td>Acetabular Probe</td>
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<td>OHH2062SU</td>
<td>6mm Hoe Probe</td>
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<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OHH2081SU</td>
<td>8mm Hoe Probe</td>
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<td>NO</td>
</tr>
<tr>
<td>EXP2681SU</td>
<td>Extraction Probe</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>YES (Optional)</td>
</tr>
</tbody>
</table>

**Osteotome Probes**

- Flat OHP2060SU **CAN USE WITH OR WITHOUT BONECUTTER EXTENSION BAR OBE2000**
- Serrated OHS2060SU **CAN USE WITH OR WITHOUT BONECUTTER EXTENSION BAR OBE2000**
- Curved Serrated OHC2SO2060SU **CAN USE WITH OR WITHOUT BONECUTTER EXTENSION BAR OBE2000**
Theatre Set-Up

1. Plug one end of the cable into the channel ports on the generator and air nozzle hose from the footswitch.

   NON-STERILE

   STERILE

2. Plug the alternate end of the cable into the each handset (sterile).

   Align the red dots and press together, listening for a click to ensure a stable connection.

(Note there is a collar on the connectors this needs to be pulled to remove the connection. Connectors must not be removed by twisting or the pulling the cable.)
4 Screw in the intended probe to the handset using the spanners provided. Do not overtighten.

5 Activate the generator using the ON/OFF switch at the rear

6 LED light indicator
   Blue = when handset selected
   Yellow = when handset is active

Handset are selected by pressing central button with a tactile “click”

Please visit http://web.orthofix.com/sites/Country/Intl/Products/Pages/OSCAR3-Lower.aspx?catid=29 for full information on indications for use, contraindications, warnings, precautions, adverse reactions information, and sterilization.
Caution: Federal law (USA) restricts this device to sale by or on the order of a physician. Proper surgical procedure is the responsibility of the medical professional. Operative techniques are furnished as an informative guideline. Each surgeon must evaluate the appropriateness of a technique based on his or her personal medical credentials and experience. Please refer to the “Instructions for Use” supplied with the product for specific information on indications for use, contraindications, warnings, precautions, adverse reactions and sterilization.