LABORATORY UNIT

OP-LAB2

ADAPTABLE TO ALL TYPES OF SURGICAL SPECIALTIES

- Integrated Endoscopy
- Surgery Microscopy
- Storage & processing of pictures
- Milling, irrigation and suction

OPTOMIC®
producing quality
OP-LAB2 Laboratory Unit incorporates the brand-new technological achievements in the field of surgery applied to a laboratory system. Its design is conceptually based upon multi-discipline approach which enables its use in the majority of medical specialties.

The integration of a complete endoscopic unit, microscope and milling equipment turn OP-LAB2 Unit into a unique product in this branch. The central suction and irrigation systems facilitate a proper maintenance of the unit and increase the users’ comfort due to minimizing the surrounding noise.

**ELECTRICAL UP & DOWN MOVEMENT**
- Adapted for all surgery specialties
- It allows to work seated or on feet

**DOUBLE MONITOR SYSTEM**
- Monitor 1: It allows to get a direct picture of the endoscope and microscope
- Monitor 2: Software of capture & visualization of images and system of interactive training

**DOUBLE CENTRAL CIRCUIT**
- Central system of liquid irrigation and suction

**TRAY FOR INSTRUMENTS**
- Integrated and folding
The idea of OP-LAB2 Laboratory Unit is based upon compatibility of its use in different medical specialties and other scientific applications.

These are the main medical specialties and surgery techniques which can benefit from this kind of equipment:

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<th>Specialty</th>
<th>Techniques</th>
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<td>• Otology&lt;br&gt;• Temporal Milling&lt;br&gt;• Cochlear Implants&lt;br&gt;• Nose&lt;br&gt;• Nasal Endoscopic Surgery&lt;br&gt;• Nasal Microscopic Surgery&lt;br&gt;• Larynx&lt;br&gt;• Larynx Microsurgery&lt;br&gt;• Laser in Larynx</td>
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<td><strong>TRAUMATOLOGY</strong></td>
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<td><strong>UROLOGY</strong></td>
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<td><strong>GENERAL SURGERY</strong></td>
<td>• Minimally Invasive Laparoscopic Surgery</td>
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<td><strong>GASTROENTEROLOGY</strong></td>
<td>• Digestive Endoscopy&lt;br&gt;• Laparoscopic Surgery</td>
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<td><strong>DENTISTRY</strong></td>
<td>• Microscopy&lt;br&gt;• Endodontics&lt;br&gt;• Implantology&lt;br&gt;• Conservation&lt;br&gt;• Restoration&lt;br&gt;• Endoscopy&lt;br&gt;• Sinus Lift</td>
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<td><strong>MAXILO-FACIAL</strong></td>
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<td><strong>VETERINARY</strong></td>
<td>• Endoscopy&lt;br&gt;• Arthroscopy&lt;br&gt;• Digestive&lt;br&gt;• Otology&lt;br&gt;• Microscopy&lt;br&gt;• Ophthalmology</td>
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<td><strong>DENTAL PROSTHESIS</strong></td>
<td>• Microscopy cutting</td>
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<td><strong>FORENSIC MEDICINE</strong></td>
<td>• Microscopy &amp; Endoscopy</td>
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<td><strong>ALLERGOLOGY</strong></td>
<td>• Nose Endoscopy</td>
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LABORATORY UNIT  OP-LAB2

1. Independent modular worksurfaces for 2 users each. Made of Silestone®
2. 15” touch monitor integrated in the panel and 15” surgery monitor.
4. Table-top PC for Digitally Soft image capturing system.
5. 3-points grip support for samples.
6. Digitally Soft image capturing system.
7. Table stand for Microscope with 150W Cold Light Source.
8. Central suction system through suction board for 12 positions.
10. Integrated CCD Camera.
11. Rolling chair (2 units per position).
12. Central irrigation system connected to the central water supply.
13. Power supply connected to the safety system.
14. Laboratory surgery microscope.
15. Set of instruments for nose endoscopy (consists of 10 instruments).
16. Connection panel for video input & output
17. OP-TV Click Beam-splitter with a quick connection to the camera.
18. Audio input & output connection
19. Headphones with an integrated microphone.
20. Touch monitor support.
21. Immersive Endoscopic head with 2m-long cable.
22. Fiber optic cable 1,8m long and Ø3,5mm internal diameter.
23. Central 46” TFT monitor (one for the whole laboratory).

Specifications are subject to change without notice