

LABORATORY UNIT

OP-LAB2

ADAPTABLE TO ALL TYPES OF SURGICAL SPECIALTIES

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



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:

OTORRHINOLARYNGOLOGY

- Otology**
- Temporal Milling
 - Cochlear Implants
- Nose**
- Nasal Endoscopic Surgery
 - Nasal Microscopic Surgery
- Larynx**
- Larynx Microsurgery
 - Laser in Larynx

TRAUMATOLOGY

- Arthroscopy**
- Knee
 - Shoulder
 - Hand

GYNAECOLOGY

- Colposcopy**
- Diagnosis
 - Surgery
- Endoscopy**
- Hysteroscopy
 - Laparoscopy

UROLOGY

- Laparoscopy**
- Cystoscopy**

GENERAL SURGERY

- Minimally Invasive Laparoscopic Surgery

GASTROENTEROLOGY

- Digestive Endoscopy
- Laparoscopic Surgery

DENTISTRY

- Microscopy**
- Endodontics
 - Implantology
 - Conservation
 - Restoration
- Endoscopy**
- Sinus Lift

MAXILO-FACIAL

- Microscopy Surgery

OPHTHALMOLOGY

- Microscopy Eye Surgery

NEUROSURGERY

- Microscopy Surgery

VETERINARY

- Endoscopy**
- Arthroscopy
 - Digestive
 - Otology
- Microscopy**
- Ophthalmology

DENTAL PROSTHESIS

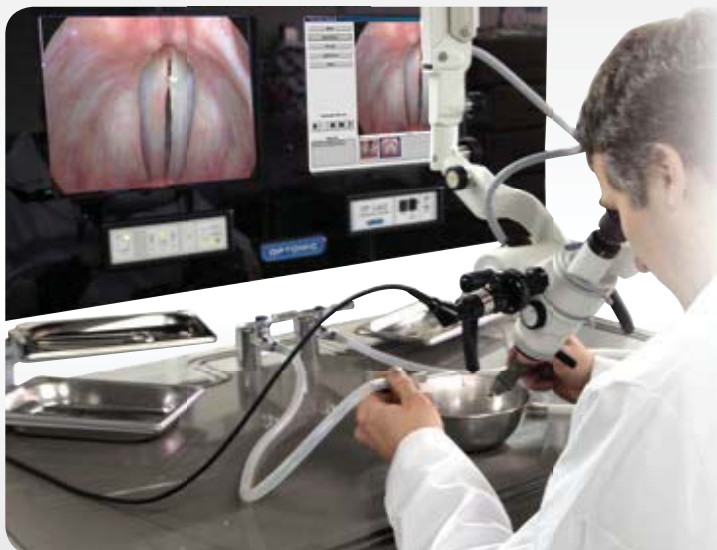
- Microscopy cutting

FORENSIC MEDICINE

- Microscopy & Endoscopy

ALLERGOLOGY

- Nose Endoscopy



LABORATORY UNIT OP-LAB2



- 2 USB ports for exporting images
- Control monitor



- Endoscopic camera control
- Memory for rigid & flexible endoscopy / microscropy



- Teacher's call signal light



- System of suction & irrigation filters

1. Independent modular worksurfaces for 2 users each. Made of Silestone®
2. 15" touch monitor integrated in the panel and 15" surgery monitor.
3. Milling micro engine with straight hand piece.
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.
9. Double circuit of suction tubes.
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

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