VITOM® 3D – 3D Vizualizácia pre Mikrochirurgiu a otvorenú operatívu

Systém VITOM 3D je revolučným riešením pre vizualizáciu počas mikrochirurgických a otvorených operačných výkonov. Systém je možné použiť podobne ako operačný mikroskop, avšak so značnými výhodami. Najdôležitejšie funkcie sa ovládajú pomocou ovládača IMAGE1 PILOT, ktorý je umiestnený na operačnom stole priamo pri operatérovi.

VÝHODY SYSTÉMU:

ZLEPŠENÁ ERGONÓMIA A PRACOVNÝ TOK

Oproti operačnému mikroskopu poskytuje systém VITOM 3D značne lepšie ergonomické podmienky. Operatér pracuje priamo s 3D monitorom a nie je viazaný na pohľad cez okulár mikroskopu. Tým pádom má operatér viac slobody pohybu a flexibilnejšie možnosti polohovania, aj v prípade ťažšieho prístupu, keďže VITOM 3D je možné nastaviť nezávisle od sedenia operatéra.

LEPŠIA INTEGRÁCIA OPERAČNÉHO TÍMU

Vďaka zobrazovaniu operácie na monitore je aj pre asistenta a inštrumentárnu sestru ľahké sledovať operáciu v rovnakej kvalite a v rovnakom pohľade, aký má samotný operatér. Zlepšuje sa tak aj komunikácia v tíme počas náročných operačných výkonov.

VÝHODY PRE VZDELÁVANIE, TRÉNING A DOKUMENTÁCIU

Ako už bolo spomenuté v predchádzajúcom bode, systém VITOM 3D umožňuje celému operačnému tímu vysokokvalitný pohľad na operáciu. Zároveň môžu z tohto systému profitovať aj lekári v zácviku alebo hostia počas workshopov a live operácií. Študenti a rezidenti môžu zákrok sledovať v 3D, čím sa optimalizuje štúdium, keďže je vďaka tomuto systému jednoduchšie sledovať anatómiu a jednotlivé kroky operácie.

Overview

VITOM® 3D
with integrated illuminator

TH 200

Holding Arm, for VITOM® 3D

28272 HSP

Sterile Cover for
VITOM® 3D

TH 001*

Fiber Optic Light Cables

495 VIT/TIP

IMAGE1 PILOT
IMAGE1 PILOT Sterile Cover

TC 014
041150-20*

IMAGE1 S™ Camera System

TC 200
TC 302

Cold Light Fountain Power LED 300 SCB

TL 300

Holding Arm, for IMAGE1 PILOT

28272 HB
28172 HR

3D Monitors

TM 323, 9826 NB-3D

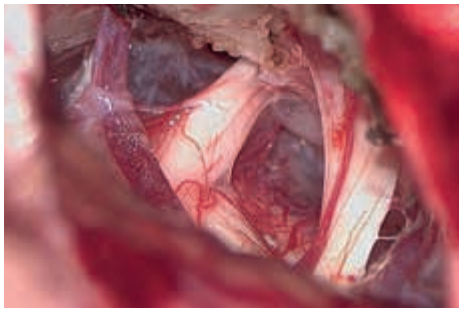
3D Polarization Glasses,
3D Clip-on Glasses

9800 GF
9800 C

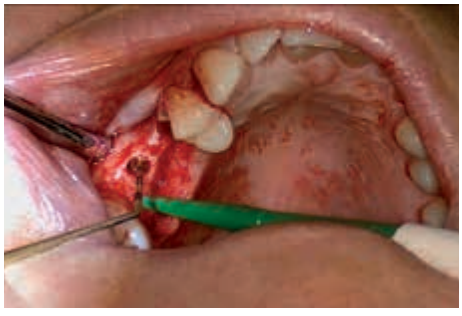
* mtp

VITOM® 3D – Potential Applications

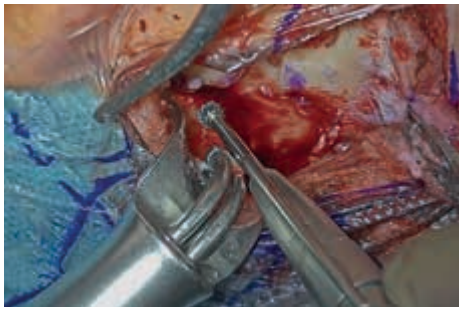
The VITOM® 3D was specifically developed for the classic applications of surgical microscopes (neurosurgery, ENT, spine surgery, hand surgery, and plastic surgery). Furthermore, it can be used in classic open surgery.



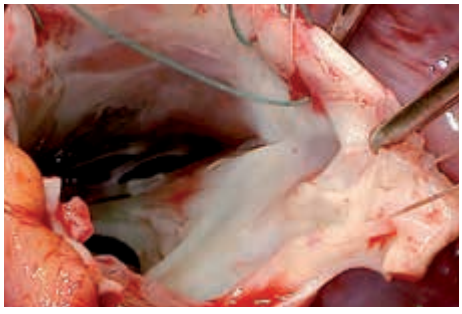
NEUROSURGERY, e.g. tumor biopsy, tumor resection, nerve decompression, intracranial bleeding, vascular surgery



ORAL AND MAXILLOFACIAL SURGERY, e.g. dysgnathia surgery, flap plasty, orbital surgery

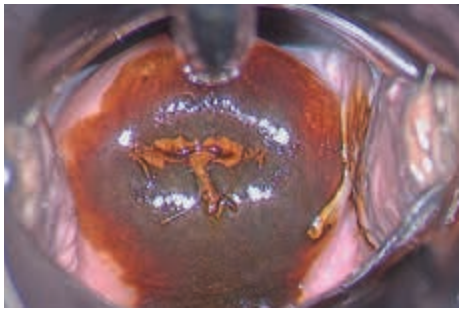


ENT, e.g. tumor resection, tympanoplasty, laryngeal surgery, adenotomy, blepharoplasty, septoplasty, open rhinoplasty, thyroplasty, thyroidectomy, eardrum paracentesis, tympanostomy tubes, cochlear implants



CARDIAC SURGERY, e.g. mitral valve surgery, pediatric cardiac surgery

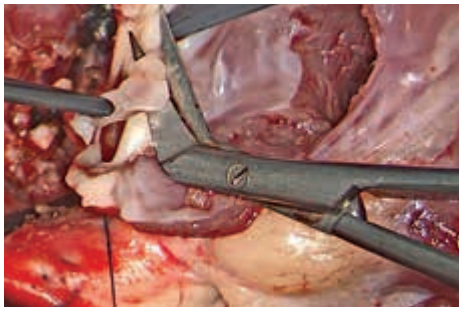
Potential applications range from the visualization of the surgical field to documentation and training. The VITOM® 3D is supported by the IMAGE1 S™ camera platform and therefore offers all functions and advantages such as the S-Technologies CLARA, CHROMA, and SPECTRA in 2D and 3D.



GYNECOLOGY, e.g. colposcopy, conization

HAND SURGERY and PLASTIC SURGERY,
e.g. reconstructive surgery, median nerve neurolysis, Dupuytren's contracture, ulnar shortening osteotomy, ulnar head prosthesis, arthroplasty, ganglion resection, correction of trigger finger and mallet finger, four-corner arthrodesis

SPINE SURGERY, e.g. herniated disks, spinal stenoses, spondylodeses, vertebral fracture



PEDIATRICS, e.g. hypospadias, anorectal malformation, atrial septal defect

VITOM® 3D – 3D visualization for microsurgery and open surgery

TH 200 **VITOM® 3D,** with zoom and focus function, integrated illumination and horizontal alignment, working distance 20-50 cm, fiber optic light transmission incorporated, suitable for wipe disinfection, for use with IMAGE1 S CONNECT™ + IMAGE1 S D3-LINK™ + IMAGE1 PILOT

TC 014 **IMAGE1 PILOT,** control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™ and VITOM® 3D TH 200

IMAGE1 PILOT is required for the use of VITOM® 3D.
VITOM® 3D and IMAGE1 PILOT are always used with a holding system.
Please note that special clamping jaws are required to mount VITOM® 3D to the holding system.

Specifications:

Sensor system	4K
Zoom	infinitely variable
Working distance (WD)	20-50 cm
Magnification (WD 30 cm with 32" 3D monitor)	approx. 8-30 x
Cleaning	wipe disinfection

VERSACRANE™ holding system for the convenient positioning of VITOM®

28272 HSP **VERSACRANE™ Holding Arm,** high, mobile, spring-supported, with quick release coupling KSLOCK, for use with KARL STORZ clamping jaws.
including:
Mobile Stand, for VERSACRANE™ holding arm

WARNING: The VERSACRANE™ holding arm cannot be used with rigid endoscopes!

Accessories

28272 VTK **VITOM® 3D Clamping Jaw,** with ball joint and quick release coupling KSLOCK (male), for use with VITOM® 3D and KARL STORZ holding systems with quick release coupling KSLOCK

28272 VTP **VITOM® 3D Clamping Jaw,** for POINT SETTER, with dovetail connector, for use with VITOM® 3D and POINT SETTER holding system

495 VIT **Fiber Optic Light Cable,** with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 550 cm

Note: The 550 cm long Light Cable 495 VIT is a necessary requirement for the VERSACRANE™.

TH 001* **Cover,** for VITOM® 3D, sterile, for single use, package of 10

STERILE

TH 002 **VITOM® 3D Illuminator,** additional lighting for VITOM® 3D, with 1 adjustable lens, **autoclavable,** for use with VITOM® 3D and light cable

TH 003 **Protective Cover,** for VITOM® 3D

Wire tray for reprocessing the VITOM® 3D illuminator

Set 2B

39502 ZH **Wire Tray,** stackable, with hole place walls

39502 LH **Lid**

39100 SH **Silicone Mat LARGE DIAMOND**

39100 PS **Fixation Pin,** package of 12

39360 AS **Silicone Tie-downs,** package of 12

* mtp

Please note: The instruments displayed are not included in the wire tray.

IMAGE1 PILOT with holding system for fixation to the operating table

TC 014 **IMAGE1 PILOT,** control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™ and VITOM® 3D TH 200

28172 HR **Rotation Socket,** to clamp to the operating table, with one mounted Butterfly Nut 28172 HRS, for European and US standard rails, with lateral clamp for height and angle adjustment of the articulated stand

28272 HB **Articulated Stand,** reinforced version

04 1150-20* **Cover,** elasticated, 42 x 164 cm, sterile, for single use, package of 20, for use with KARL STORZ holding systems

STERILE

* mtp

Monitor

TM 323 **32" 3D Monitor,**
including:
Monitor Power Supply, external, 24 V
Mains Cord
3x **3D Polarization Glasses,** fogless, passive
Cable Cover

9832 SFH **Monitor Stand,** for professional use, height-adjustable, tiltable, rotation +/-30°, disinfectable, color white, with VESA 200 adaptor, for use with 32" 3D Monitor TM 323

9800 GF **3D Polarization Glasses,** fogless, passive, package of 2, for use with 3D monitors

9800 C **3D Clip-on Glasses,** circularly polarized