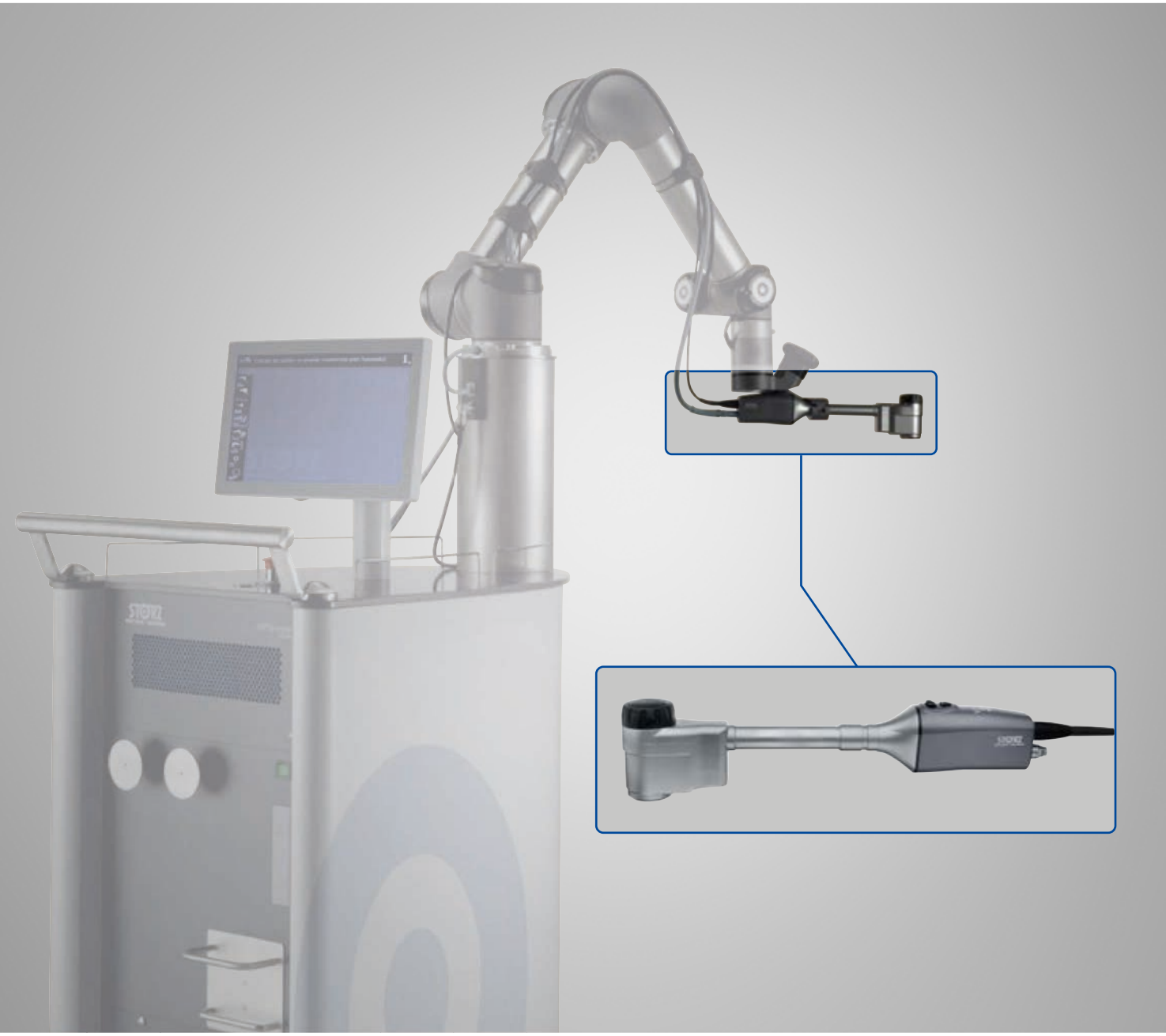
VITOM® 3D System for Microsurgery and Open Surgery

A compact visualization alternative to operating microscopes



KARL STORZ — ENDOSKOPE

Compact. Ergonomic. Economical.

The VITOM® 3D system offers 3D visualization possibilities for microsurgical and open surgical interventions, without confining the surgeon to the eyepiece of an operating microscope. The key functions are easily controlled by the surgeon via the IMAGE1 PILOT mounted on the OR table, and the entire OR team can view the procedure on the screens simultaneously. The VITOM® 3D system uses the same video tower as endoscopy, thereby offering you significant economic benefits.

Key highlights of the VITOM® 3D system include:

- Smaller, lighter, and more flexible than an operating microscope
- Lower acquisition costs
- Economic benefits of synergy
- Ergonomic working environment
- Improves workflow

Overview

Micromanipulator Interface

TH004

UR006

VITOM® 3D
with integrated illuminator

TH200

Holding Arm, for VITOM® 3D

UR300

UR501B/C

Sterile Cover for
VITOM® 3D

TH001

Fiber Optic Light Cables

495VIT

IMAGE1 PILOT
IMAGE1 PILOT Sterile Cover

TC014
041150-20

IMAGE1 S™ Camera System

TC201
TC302

Cold Light Fountain POWER LED 300 SCB

TL300

Holding Arm, for IMAGE1 PILOT

28272HB
28172HR

3D Monitors

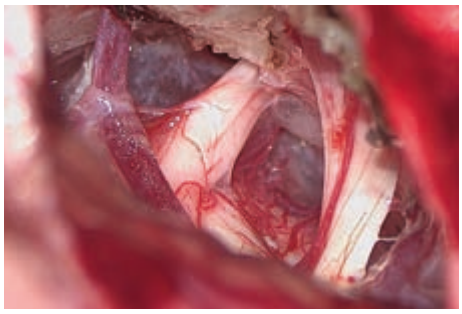
TM350, TM330

3D Polarization Glasses,
3D Clip-on Glasses

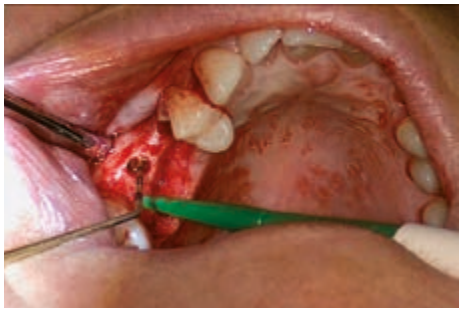
TM003
9800C

VITOM® 3D – Potential Applications

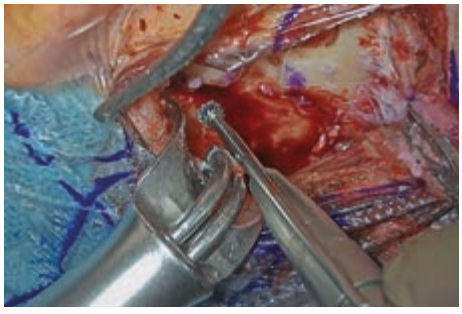
The VITOM® 3D was specifically developed for the classic applications of surgical microscopes (neurosurgery, ENT, spine surgery, hand surgery, and plastic surgery). Furthermore, it can be used in classic open surgery.



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

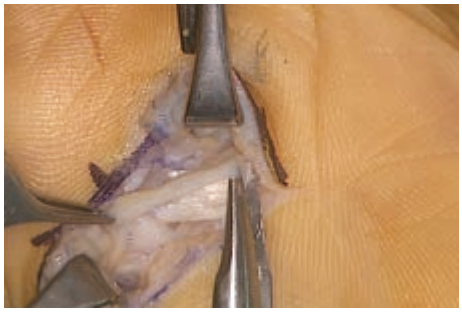


ENT, e.g., tumor resection, tympanoplasty, laryngeal surgery, adenotomy, blepharoplasty, septoplasty, open rhinoplasty, thyroplasty, thyroidectomy, eardrum paracentesis, tympanostomy tubes, cochlear implants

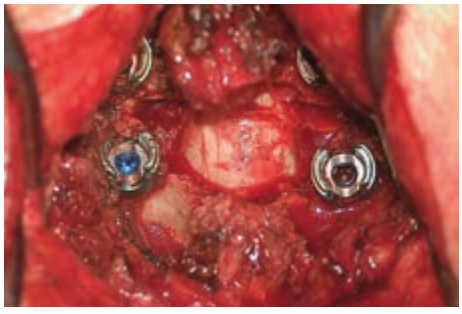
CARDIAC SURGERY, e.g., mitral valve surgery, pediatric cardiac surgery

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

*Not for sale in the U.S.

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

TH200 **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 D3-LINK® TC302 and IMAGE1 PILOT TC014

TC014 **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 TH200

TC019 **Microscope Footswitch,** control unit with joystick, 4 programmable function keys, zoom and focus foot pedal control, USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™

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

Specifications:

Image sensor	2-chip, 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

IMAGE1 PILOT with holding system for fixation to the operating table

TC014 **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 TH200

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

28272HB **Articulated Stand,** reinforced version

04 1150-20 **Cover,** elasticated, 42 x 177 cm, sterile, for single use, package of 20, for use with KARL STORZ holding systems and IMAGE1 PILOT

STERILE

It is recommended to check the suitability of the product for the intended procedure prior to use.
Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.

More than 75 Years

Shaping the Future
of Endoscopy with you

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