SpineTIP – System Optimized for Approaches to Percutaneous Endoscopic Lumbar Decompression

Special Features:

- One system – three sets optimized for standard approaches: **Transforaminal, interlaminar** and **posterolateral**
- Brilliant image quality ensures clear visibility during surgery
- Reusable bipolar electrodes for effective tissue and bone resection
- Ergonomic DRILLCUT-X® II Spine handpiece with matching single-use burrs for precise and powerful ablation of bone material during fully endoscopic percutaneous surgery
- Ergonomic and color-coded instruments for use in a safe and controlled manner
Visualization

28163 BTA HOPKINS® Wide Angle Telescope 25°, angled eyepiece, outer diameter 6.6 mm, working channel 3.6 mm, length 25.7 cm, autoclavable, fiber optic light transmission incorporated, color code: blue

28163 BFA HOPKINS® Wide Angle Telescope 25°, angled eyepiece, outer diameter 6.6 mm, working channel 3.6 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: red

28163 FFA HOPKINS® Wide Angle Telescope 15°, angled eyepiece, outer diameter 6.1 mm, working channel diameter 2.9 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: green

Access

28163 PL Puncture Needle, including stylet, diameter 1.8 mm, working length 18 cm, with 1.3 mm opening for guide wire

28163 GWT Guide Wire, blunt on both sides, diameter 0.7 mm, working length 41 cm, package of 5

28163 CM COTTLE Metal Mallet, with plastic replacement head, length 22.5 cm

28163 FEH Punch Sleeve, for use with operating sheaths

28163 FHT Dilation Sleeve, outer diameter 6.5 mm, inner diameter 1.4 mm, length 31 cm, color code: blue

28163 FHI Dilation Sleeve, outer diameter 6.5 mm, inner diameter 1.4 mm, length 22 cm, color code: red

28163 TSN Operating Sheath, graduated, with distal beak, integrated irrigation connector, inner diameter 6.8 mm, outer diameter 7.8 mm, length 25 cm, color code: blue

28163 FSW Operating Sheath, graduated, distal oblique, with clamp mechanism for fixation, integrated irrigation connector, inner diameter 7.2 mm, outer diameter 7.9 mm, length 18 cm, color code: red

28163 PSG Operating Sheath, graduated, distal straight, integrated irrigation connector, inner diameter 6.2 mm, outer diameter 6.9 mm, length 17 cm, color code: green

Management of Bleeding

28163 FBC Bipolar Electrode, angled, diameter 2.5 mm, working length 36 cm, color code: blue, red, green

Dissection and Closure

28163 FBG CLICKLINE Palpation Hook, rotating, dismantling, with LUER-Lock irrigation connector for cleaning, with distal ball, bendable to 90°, diameter 2.7 mm, length 36 cm, color code: blue, red, green

28163 FZI CLICKLINE Raven’s Beak Forceps, rotating, dismantling, insulated, with LUER-Lock irrigation connector for cleaning, single action jaws, diameter 3.5 mm, length 36 cm, color code: blue, red

28163 FZH CLICKLINE Raven’s Beak Forceps, rotating, single action jaws, size 2.7 mm, length 36 cm, color code: blue, red, green

28163 FSI CLICKLINE BLAKESLEY Grasping Forceps, rotating, dismantling, insulated, with LUER-Lock irrigation connector for cleaning, single action jaws, fenestrated, size 3 mm, length 36 cm, color code: blue, red

28163 FLB CLICKLINE BLAKESLEY Grasping Forceps, rotating, insulated, with LUER-Lock irrigation connector for cleaning, single action jaws, fenestrated, size 2.7 mm, length 30 cm, color code: blue, red, green
28163 FLD  **CLICKLINE Grasping Forceps**, rotating, insulated, with LUER-Lock irrigation connector for cleaning, single action jaws, fenestrated, size 2.7 mm, length 30 cm, color code: blue, red, green

28163 FLF  **CLICKLINE Spoon Forceps**, dismantling, oval, with LUER-Lock irrigation connector for cleaning, single action jaws, size 2.7 mm, length 30 cm, color code: blue, red, green

28163 FKA  **CLICKLINE Curette**, bendable to 90°, with LUER-Lock irrigation connector for cleaning, size 3.5 mm, length 36 cm, color code: blue, red

28163 FKC  **CLICKLINE Curette**, bendable to 90°, lateral cutting right, rotating, with LUER-Lock irrigation connector for cleaning, size 3.5 mm, length 36 cm, color code: blue, red

28163 FKF  **CLICKLINE Curette**, bendable to 90°, lateral cutting left, rotating, with LUER-Lock irrigation connector for cleaning, size 3.5 mm, length 36 cm, color code: blue, red

28163 FDW  **Dissector**, distally curved 45°, diameter 2.6 mm, working length 36 cm, color code: blue, red, green

The complete set configuration is available in the Neurosurgery catalog.
EasyGO!® II Generation – Tubular System for Endoscopic Spine Surgery

Special Features:

- A wide range of applications for treating degenerative spine diseases at the lumbar and cervical levels
- The second, completely reworked generation provides significantly more working space and application possibilities
- Specially adapted telescopes and the high-resolution KARL STORZ FULL HD technology enable clear and distinct differentiation of anatomic structures
- Sequential dilation and the use of smaller trocar sizes can reduce muscle trauma and skin incision length
- Specially developed malleable drill handpieces for use with all trocar lengths
Visualization

28095 BAA  **HOPKINS® Forward-Oblique Telescope 25°**, eyepiece angled 90°, diameter 4 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, for use with 4 cm long EASYGO® II Trocars 28163 OTA, 28163 OTB and 28163 OTC

28095 BAB  **HOPKINS® Forward-Oblique Telescope 25°**, eyepiece angled 90°, diameter 4 mm, length 9 cm, autoclavable, fiber optic light transmission incorporated, for use with 7 cm long EASYGO® II Trocars 28163 OTM, 28163 OTK and 28163 OTG

28095 BAC  **HOPKINS® Forward-Oblique Telescope 25°**, eyepiece angled 90°, diameter 4 mm, length 11 cm, autoclavable, fiber optic light transmission incorporated, for use with 10 cm long EASYGO® II Trocars 28163 OTW, 28163 OTY, 28163 OTZ

Access

A sequential dilation system is used to introduce the trocars. The trocars are then combined with the corresponding trocar attachments, telescope holders and suitable telescopes.

<table>
<thead>
<tr>
<th>Orange Trocar (diameter 15 mm)</th>
<th>Green Trocar (diameter 19 mm)</th>
<th>Black Trocar (diameter 23 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>28163 OAM Diameter 15 mm</td>
<td>28163 OBM</td>
<td>28163 OTA working length 40 mm</td>
</tr>
<tr>
<td>28163 OAK Diameter 19 mm</td>
<td>28163 OBK</td>
<td>28163 OTM working length 70 mm</td>
</tr>
<tr>
<td>28163 OAG Diameter 23 mm</td>
<td>28163 OBG</td>
<td>28163 OTW working length 90 mm</td>
</tr>
<tr>
<td>Trocar Attachments</td>
<td>Telescope Holders</td>
<td>Trocars</td>
</tr>
<tr>
<td>28163 OAM Diameter 15 mm</td>
<td>28163 OBM</td>
<td>28163 OTA working length 40 mm</td>
</tr>
<tr>
<td>28163 OAK Diameter 19 mm</td>
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<td>28163 OTM working length 70 mm</td>
</tr>
<tr>
<td>28163 OAG Diameter 23 mm</td>
<td>28163 OBG</td>
<td>28163 OTW working length 90 mm</td>
</tr>
<tr>
<td>Endoscopes</td>
<td></td>
<td>28095 BAA diameter 4 mm length 6 cm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>28095 BAB diameter 4 mm length 9 cm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>28095 BAC diameter 4 mm length 11 cm</td>
</tr>
</tbody>
</table>

Management of Hemorrhage

28163 BPL  **Bipolar Coagulation Forceps**, insulated, bayonet-shaped, tip 1.2 mm, length 23 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/T/V/W

28163 GX  **Suction Tube**, with cut-off hole, LUER, diameter 2.5 mm, working length 15 cm

28163 GXN  **Suction Tube**, with distal nerve retractor, with cut-off hole, LUER-Lock connector, diameter 2.7 mm, working length 15 cm
## Dissection and Closure

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>28163 CC</td>
<td><strong>Spoon Forceps</strong>, dismantling, robust, oval, spoon size 3 x 10 mm, single action jaws, working length 20 cm</td>
</tr>
<tr>
<td>28163 EC</td>
<td><strong>Spoon Forceps</strong>, dismantling, curved 30°, robust, oval, spoon size 3 x 10 mm, single action jaws, working length 20 cm</td>
</tr>
<tr>
<td>28163 CFB</td>
<td><strong>KERRISON Bone Punch</strong>, dismantling, 40° upbiting, not through-cutting, 4 mm, working length 24 cm</td>
</tr>
<tr>
<td>28163 CFS</td>
<td><strong>KERRISON Bone Punch</strong>, dismantling, 40° upbiting, not through-cutting, 2 mm, working length 24 cm</td>
</tr>
<tr>
<td>28163 GRN</td>
<td><strong>Nerve Retractor</strong>, angled 30°, distal width 5 mm, working length 17 cm</td>
</tr>
<tr>
<td>28163 EHK</td>
<td><strong>Hook Scissors</strong>, single action jaws, diameter 2.5 mm, working length 25 cm</td>
</tr>
</tbody>
</table>

The complete set configuration is available in the Neurosurgery catalog.
Visualization and Instruments for Thoracic Spine Surgery

• À la carte concept for efficient compilation of a customized instrument set
• 3D system with endoscopes and VITOM® 3D for both open and endoscopic thoracic spine surgery
• High-resolution KARL STORZ FULL HD technology enables clear and distinct differentiation of anatomic structures
• Specially developed instrumentation with new design and ergonomic handles
Visualization

**VITOM® 3D**

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

28272 HSP **VERSacRANE™ Holding Arm**, high, mobile, spring-supported, with quick release coupling KSLOCK, for use with KARL STORZ clamping jaws. The VERSacRANE™ holding arm is intended for use with VITOM® telescopes.

including:

**Mobile Stand**, for VERSacRANE™ holding arm

3D Endoscopy

26605 BA **TIPCAM®1 S 3D LAP**, with two FULL HD image sensors, direction of view 30°, diameter 10 mm, length 32 cm, autoclavable, S-Technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S™

2D Endoscopy

26003 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 10 mm, length 31 cm, autoclavable, fiber optic light transmission incorporated, color code: red

Access

Specula

28163 BSM **Distending Speculum**, blade length 6 cm, diameter 11 mm in closed position, distension width 19 mm

28163 BSG **Distending Speculum**, blade length 8 cm, diameter 11 mm in closed position, distension width 19 mm

Trocars

40103 GD **Plastic Trocar**, with blunt tip, size 11 mm, working length 6 cm

including:

* Trocar only
* Plastic Cannula, with thread

40103 HX **Plastic Trocar**, with blunt tip, size 11 mm, working length 8.5 cm

including:

* Trocar only
* Plastic Cannula, with thread

Management of Bleeding

33351 ML **CLICKLINE KELLY Dissecting and Grasping Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, long, size 5 mm, length 36 cm

26775 C **CADIERE Coagulation and Dissection Electrode**, insulated sheath, with connector pin for unipolar coagulation, L-shaped, with cm-marking, distal tip tapered, size 5 mm, length 36 cm

26276 HD **TAKE-APART® MANHES Bipolar Coagulation Forceps**, with connector pin for bipolar coagulation, with movable inner sheath and non-retracting jaws, width of jaws 3 mm, size 5 mm, length 33 cm

38651 ML **ROBI® KELLY Dissecting and Grasping Forceps**, rotating, dismantling, with connector pin for bipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, long, especially suitable for dissection, size 5 mm, length 36 cm
Dissection and Closure

Rongeurs and Punches

28163 RGG Rongeur, dismantling, graduated scale at the distal end, jaw 8 mm, round sheath diameter 10 mm, working length 30 cm

28163 RKK Rongeur, upturned 30°, dismantling, graduated scale at the distal end, jaws 5 mm, round sheath diameter 10 mm, working length 30 cm, for use with trocars size 11 mm

28163 PKS KERRISON Bone Punch, dismantling, graduated scale at the distal end, 40° upbiting, not through-cutting, 3 mm, round sheath diameter 10 mm, working length 30 cm

Hand Instruments

28163 BM Chisel, scaled, with straight cutting area, size 8 mm, working length 30 cm, for use with trocars size 11 mm

28163 BN Chisel, scaled, with 10° curved cutting area, size 8 mm, working length 30 cm, for use with trocars size 11 mm

28163 BO Blunt Osteotome, scaled, distally 10 mm, working length 30 cm, with silicone handle, for use with trocars size 11 mm

28163 BE Rib Head Elevator, scaled, sickle-shaped cutting edge, size 10 mm, working length 30 cm, with silicone handle

28163 BT Blunt Palpation Rod, scaled, diameter 5 mm, working length 30 cm

28163 BI Thoracic Meter, to determine the distance between the vertebral bodies, with wheel handle and scale, diameter 5 mm, working length 30 cm

28163 CMS Slit Mallet, with nylon replacement head on one side, silicone handle, length 25 cm

28163 RR Raspatory, diameter 5 mm, working length 36 cm

28163 SBK Curette, stirrup-shaped, for straightening end plates, size 10 mm, working length 30 cm

28163 GK Spoon Curette, sharp, 3 x 4 mm, diameter 5 mm, working length 36 cm

28163 GH Palpation Hook, hook angled 90°, blunt, diameter 5 mm, working length 36 cm

28163 MS Tappet, blunt, grooved, for positioning the bone implant, size 10 mm, working length 30 cm

The complete set configuration is available in the Neurosurgery catalog.
UNIDRIVE® S III NEURO – Multifunctional High-Speed Motor System for all Indications in Neurosurgery and Spine Surgery

Special Features:

- The ergonomic DRILLCUT-X® II spine handpiece enables precise and powerful ablation of bone material during percutaneous full endoscopic surgery
- High-speed handpieces feature a quiet drilling performance, even at speeds up to 100,000 rpm
- Particularly long, malleable high-speed handpieces can be used for specific surgical techniques (e.g. tubular dilation systems)
- The motor control unit features intuitive touch screen control and supports handpiece changeover via automatic motor recognition

The UNIDRIVE® S III NEURO and its components are not available for sale in the USA.
System Overview

UNIDRIVE® S III NEURO SCB

Tubular and General Spine Surgery

- High-Speed Micro-Motor
  - High-Speed 100,000 rpm:
    - High-Speed Handpiece, medium, angled
      - 252661
  - High-Speed Handpiece, long, angled
      - 252662
  - High-Speed 60,000 rpm:
    - High-Speed Handpiece, long, angled
      - 252663
    - High-Speed Handpiece, extra long, malleable, slim, angled
      - 252671
    - High-Speed Handpiece, super long, malleable, slim, angled
      - 252672

Percutaneous Spinal Endoscopy

- DRILLCUT-X® II SPINE Shaver Handpiece
  - Suction Burr, sterile, for single use
    - 41301 FD
  - Diamond Burr, sterile, for single use
    - 41301 D
**UNIDRIVE® S III NEURO SCB**, motor control unit with color display, touch screen, two motor outputs, integrated irrigation pump and integrated SCB module, power supply 100-240 VAC, 50/60 Hz including
- Mains Cord
- Irrigator Rod
- Two-Pedal Footswitch
- SCB Connecting Cable, length 100 cm
- Single Use Tubing Set*, sterile, package of 3

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch screen</td>
<td>6.4”/300 cd/m²</td>
</tr>
<tr>
<td>User languages</td>
<td>English, French, German, Spanish, Italian, Portuguese, Greek, Turkish, Polish, Russian</td>
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<tr>
<td>Power supply</td>
<td>100-240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions w x h x d</td>
<td>300 x 165 x 265 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>5.2 kg</td>
</tr>
<tr>
<td>Certified to</td>
<td>IEC 601-1, CE acc. to MDD</td>
</tr>
</tbody>
</table>
Recommended KARL STORZ Standard Set Configuration for Tubular and General Spine Surgery

40701701-1 **UNIDRIVE® S III NEURO SCB**, motor control unit with color display, touch screen, two motor outputs, integrated irrigation pump and integrated SCB module, power supply 100-240 VAC, 50/60 Hz

20712033 **High-Speed Micro-Motor**, max. speed 60,000 rpm, including connecting cable, for use with UNIDRIVE® S III ENT/NEURO

252671 **High-Speed Handpiece**, extra long, malleable, slim, angled, 60,000 rpm

252672 **High-Speed Handpiece**, super long, malleable, slim, angled, 60,000 rpm

252663 **High-Speed Handpiece**, long, angled, 60,000 rpm

252681 **High-Speed Handpiece**, medium, angled, 100,000 rpm

252682 **High-Speed Handpiece**, long, angled, 100,000 rpm

<table>
<thead>
<tr>
<th>Ø</th>
<th>long</th>
<th>extra long</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 mm</td>
<td>330220 L</td>
<td>320320 EL</td>
</tr>
<tr>
<td>3 mm</td>
<td>330230 L</td>
<td>320330 EL</td>
</tr>
<tr>
<td>4 mm</td>
<td>330240 L</td>
<td>320340 EL</td>
</tr>
</tbody>
</table>

**High-Speed Diamond Burr**, 60,000 rpm, for single use, sterile, package of 5, for use with High-Speed Handpiece, 60,000 rpm

Further information on handpieces and burrs is available in our Neurosurgery catalog.
Recommended KARL STORZ Standard Set Configuration for Percutaneous Spinal Endoscopy

40701701-1 **UNIDRIVE® S III NEURO SCB**, motor control unit with color display, touch screen, two motor outputs, integrated irrigation pump and integrated SCB module, power supply 100-240 VAC, 50/60 Hz

28712050 **DRILLCUT-X® II Spine Handpiece**, for use with UNIDRIVE® S III NEURO

41301 FD **Suction Burr**, with integrated irrigation, straight, sterile, for single use, package of 5, cylindrical cutter head with lateral and distal protection, shaft diameter 3.5 mm, length 30 cm

41301 D **Diamond Burr**, with integrated irrigation, straight, sterile, for single use, package of 5, diamond head, shaft diameter 3.5 mm, length 30 cm

Further information on handpieces and burrs is available in our Neurosurgery catalog.
VITOM® 3D – 3D Visualization for Open Spine Surgery

The VITOM® 3D system provides many surgical disciplines with a revolutionary solution for the visualization of microsurgical and open surgical interventions. Application possibilities are similar to that of the operating microscope. The most important functions are controlled via the IMAGE1 PILOT which is mounted to the OR table in close proximity to the surgeon.

- Smaller, lighter and more compact than an operating microscope
- Lower acquisition costs and creates synergistic effects with endoscopy by using the same video tower – thus combining the benefits of endoscopy and microscopy
- Ergonomic work – the user is not confined to the eyepiece
- Improved workflow – the OR team can view the procedure in the same image quality as the surgeon
Overview

VITOM³ 3D
with integrated illuminator

Fiber Optic Light Cables

Holding Arm for VITOM³ 3D

Sterile Cover for VITOM³ 3D

IMAGE1 PILOT
IMAGE1 PILOT Sterile Cover

IMAGE1 PILOT Sterile Cover

Holding Arm for IMAGE1 PILOT

3D Monitors

3D Polarization Glasses,
3D Clip-on Glasses

Note: VITOM³ 3D can also be used for other fields of application such as, for example, NEUROSURGERY, ENT or HAND and PLASTIC SURGERY as well as conventional open surgery, e.g., CARDIOVASCULAR SURGERY.
VITOM® 3D – 3D Visualization for Open Spine 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:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor system</td>
<td>4K</td>
</tr>
<tr>
<td>Zoom</td>
<td>infinitely variable</td>
</tr>
<tr>
<td>Working distance (WD)</td>
<td>20-50 cm</td>
</tr>
<tr>
<td>Magnification (WD 30 cm with 32” 3D monitor)</td>
<td>approx. 8-30 x</td>
</tr>
<tr>
<td>Cleaning</td>
<td>wipe disinfection</td>
</tr>
</tbody>
</table>
VERSACRANE™ Holding System for the Convenient Positioning of VITOM®

VERSACRANE™ Holding Arm, high, mobile, spring-supported, with quick release coupling KSLOCK, for use with KARL STORZ clamping jaws. The VERSACRANE™ holding arm is intended for use with VITOM® scopes, 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

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 use with VITOM® 3D and holding arm

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

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

041150-20*  **Cover**, elasticsed, 42 x 164 cm, sterile, for single use, package of 20, for use with KARL STORZ holding systems
Monitor

**TM 330**  
**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 330

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

**9800 C**  
**3D Clip-on Glasses**, circularly polarized
It is recommended to check the suitability of the product for the intended procedure prior to use.