Highlights 2019
Oral and Maxillofacial Surgery

Lacrimal Duct Surgery/
Dacryocystorhinostomy
Lacrimal Duct Surgery/Dacryocystorhinostomy

Instruments

Lacimal Duct Surgery

Dacryocystorhinostomy

Diagnosis

Surgery

Endoscopes and Instruments for Dacryocystorhinostomy
Motor Systems

UNIDRIVE® S III ENT
High-Speed Micro Motor

UNIDRIVE® S III ECO
High-Performance EC Micro Motor II

Visualization

IMAGE1 S™ 4U

IMAGE1 S™

TELE PACK X LED

35k Sinus Burr
Instrument Set for Endoscopic Dacryocystorhinostomy

This special set of instruments and endoscopes was designed for the transnasal endoscopic treatment of obstructed nasolacrimal ducts under direct visualization with an endoscope. This provides optimal magnification and illumination of the indication field.

- No skin incisions or facial scars
- Shorter operation time
- Also possible to simultaneously detect and treat changes to the nasal cavity and/or paranasal sinuses
Endoscopes

7230 AA  HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: green

7230 BA  HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: red

Dilator and Lachrymal Probes

745900  WILDER Dilator, for the salivary duct

634840  BOWMANN Lachrymal Probe, length 13 cm consisting of:
- 745830  Probe, size 0000-000
- 745800  Probe, size 00-0
- 745802  Probe, size 1-2

496 V  Lachrymal Probe, for diaphanoscopic localization of the nasolacrimal ducts and fistulae, diameter of distal tip 0.5 mm, sterile, for single use, package of 3, for use with Fiber Optic Light Cable 495 NL

Nasal Specula

404040  Nasal Speculum, with fiber optic light carrier, blade length 40 mm, length 13.5 cm

404055  Nasal Speculum, with fiber optic light carrier, blade length 55 mm, length 13.5 cm
Dissection Instruments

660540 Elevator, double-ended, blunt, graduated, length 20 cm
660500 Sickle Knife, slightly curved, pointed, length 18 cm
660506 Round Knife, vertical cutting, 3.5 x 2.5 mm, length 18 cm
660509 Round Knife, angled 45°, diameter 2 mm, length 18 cm
660512 Raspatory, curved to right, length 18 cm
660515 Raspatory, curved to left, length 18 cm
660521 Hook, 90°, blunt, length 18 cm
628702 Antrum Curette, oblong, small, length 19 cm

Forceps

456001 B BLAKESLEY RHINOFORCE® II Nasal Forceps, straight, size 1, with cleaning connector, working length 13 cm
456501 B BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps, 45° upturned, size 1, with cleaning connector, working length 13 cm
489045 FERRIS-SMITH Nasal Forceps, dismantling, serrated, working length 11 cm
452002 B MACKAY-GRÜNWALD RHINOFORCE® II Nasal Cutting Forceps, straight, through-cutting, extra delicate, tissue-sparing, 11.5 x 3.5 mm, size 2, with cleaning connector, working length 13 cm
451500 B GRÜNWALD-HENKE RHINOFORCE® II Nasal Cutting Forceps, 45° upturned, through-cutting, tissue-sparing, BLAKESLEY shape, size 0, width 3 mm, with cleaning connector, working length 13 cm
430300 LUBET-BARBON Nasal Dressing Forceps, serrated, working length 10.5 cm
Bone Punches

662122  KERRISON Bone Punch, detachable, rigid, upbiting 40° forward, size 2 mm, working length 17 cm
662123  KERRISON Bone Punch, detachable, rigid, upbiting 40° forward, size 3 mm, working length 17 cm

Suction Tube

529307  FRAZIER Suction Tube, with mandrel and cut-off hole, with distance marking at 5-9 cm, 7 Fr., working length 10 cm

Unipolar Coagulation

26520046  Electrode Handle, without buttons, with integrated connecting cable, length 300 cm, activation via two-pedal footswitch, for use with AUTOCON® II 400 (111,112, 122, 125), AUTOCON® II 200, AUTOCON® II 80, AUTOCON® 200/50 and Erbe-ICC/ACC/VIO
838501  Needle Electrode, for submucosa diathermy of the inferior turbinate, working length 10 cm, tip 1 cm
838503  Ball Electrode for Epistaxis, length 10 cm

Bipolar Coagulation

462020  TAKE-APART® CASTELNUOVO Bipolar Forceps, with fine jaws, width 2 mm, distally angled 45°, outer diameter 3.4 mm, working length 14 cm, with irrigation connector for cleaning including:
Bipolar Ring Handle
Outer Sheath
Inner Sheath
Bipolar Forceps Insert
462023  TAKE-APART® CASTELNUOVO Bipolar Forceps, with irrigation connector for cleaning, with fine, short jaws, width 2 mm, distally angled 45°, outer diameter 3.4 mm, working length 14 cm including:
Bipolar Ring Handle
Outer Sheath
Inner Sheath
Bipolar Forceps Insert

Further instruments can be found in the ENT catalog.
Set for Microendoscopy of the Lacrimal Duct

The set for microendoscopy of the lacrimal duct enables the opening of the lacrimal duct and thus restores the normal tear drainage.

- Minimally invasive intervention
- Direct visualization of the lacrimal sac and lacrimal duct
- Short recovery time
Miniature Endoscopes for Lacrimal Duct Endoscopy

58000 A  
**Miniature Straight Forward Telescope 0°**, semirigid, with remote eyepiece, **autoclavable**, with integrated working channels and protection tube, fiber optic light transmission incorporated, direction of view 0°, angle of view 70°, working length 7 cm, outer diameter 0.89 mm, working channels 0.27/0.2 mm

58001 A  
**Miniature Straight Forward Telescope 0°**, semirigid, with remote eyepiece, **autoclavable**, fiber optic light transmission incorporated, direction of view 0°, working length 10 cm, outer diameter 0.6 mm, working channel 0.15 mm

58000 KA  
**Examination Sheath**, diameter 1.1 mm, working length 4 cm, with obturator, for use with Miniature Straight Forward Telescope 58000 or 58000 A

58001 KA  
**Examination Sheath**, diameter 1.1 mm, working length 7 cm, LUER-Lock, with obturator, for use with Telescope 58001 or 58001 A

Reprocessing

11580 B  
**Metal Tray**, for sterilization and storage of one Miniature Straight Forward Telescope 11575 A, 11581 A, 11582 A, 11583 A, 11578 A or 58001, perforated, lid with silicone bridges, with port for irrigation connector, external dimensions (w x d x h): 275 x 178 x 35 mm
UNIDRIVE® S III ENT

The high-end solution for comfort in the OR

One unit – six functions

- Shaver
- Sinus Burr
- High-speed Micro Motor
- High-performance EC Micro Motor II
- Micro Saw
- Dermatome
UNIDRIVE® S III ENT 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

Optional Accessories

- 280053 Universal Spray, 6x 500 ml bottles, - HAZARDOUS GOODS – UN 1950 including:
  - Spray Nozzle
- 280053 C Spray Nozzle, for the reprocessing of INTRA burr handpieces, for use with Universal Spray 280053 B
- 031131-10* Tubing Set, sterile, for single use, package of 10, for use with UNIDRIVE® ENT/ECO/NEURO, UNIDRIVE® S III ENT/ECO/NEURO
UNIDRIVE® S III ECO

The functional and cost-effective motor system

One unit – five functions

- Shaver
- Sinus Burr (12K)
- High-performance EC Micro Motor II
- Micro Saw
- Dermatome
UNIDRIVE® S III ECO, motor control unit with two motor outputs and integrated irrigation pump, power supply 100-240 VAC, 50/60 Hz
including:
Mains Cord
Two-Pedal Footswitch
Single-use Tubing Set*, sterile, package of 3

The maintenance of additional motor-driven motor components (high-performance motors, burr handpieces, shaver handpieces) must be performed with Universal Spray 280053 B + C (not included in delivery). Please order separately.

Optional Accessories

280053 Universal Spray, 6x 500 ml bottles, – HAZARDOUS GOODS – UN 1950
including:
Spray Nozzle

280053 C Spray Nozzle, for the reprocessing of INTRA burr handpieces, for use with Universal Spray 280053 B

031131-10* Tubing Set, sterile, for single use, package of 10, for use with UNIDRIVE® ENT/ECO/NEURO, UNIDRIVE® S III ENT/ECO/NEURO

*STERILE
Motor Systems

Special features of the high-performance EC Micro Motor II:

- Self-cooling and brushless high-performance EC Micro Motor II
- Smallest possible dimensions
- Autoclavable
- Can be reprocessed in a cleaning machine
- Detachable connecting cable
- Versatile use thanks to INTRA coupling
- Number of revolutions up to 40,000 rpm, infinitely variable
2071033  **High-Performance EC Micro Motor II**, for use with UNIDRIVE® II/UNIDRIVE® ENT/OMFS/NEURO/ECO and Connecting Cable 20711073 or for use with UNIDRIVE® S III ENT/ECO/NEURO and Connecting Cable 20711173

20711173  **Connecting Cable**, to connect high-performance EC Micro Motor II 2071033 to UNIDRIVE® S III ENT/ECO/NEURO

### INTRA Drill Handpieces

252571  **INTRA Drill Handpiece**, angled, length 15 cm, transmission 1:1 (40,000 rpm), for use with KARL STORZ high-performance EC Micro Motor II and straight shaft burrs

252574  **Same**, transmission 1:2 (80,000 rpm)

252591  **INTRA Drill Handpiece**, straight, length 13 cm, transmission 1:1 (40,000 rpm), for use with KARL STORZ high-performance EC Micro Motor II and straight shaft burrs

### Burrs

<table>
<thead>
<tr>
<th>Detail</th>
<th>Size</th>
<th>Diameter (mm)</th>
<th>Standard</th>
<th>Diamond</th>
<th>Diamond, coarse</th>
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<td>649770 G</td>
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</table>

649600  **Standard Straight Shaft Burr**, stainless, sizes 014-070, length 9.5 cm, set of 11

649700  **Diamond Straight Shaft Burr**, stainless, sizes 014-070, length 9.5 cm, set of 11

649700 G **Rapid Diamond Straight Shaft Burr**, stainless, with coarse diamond coating for precise drilling and abrasion without hand pressure and generating minimal heat, sizes 023-070, length 9.5 cm, set of 9, color code: gold

280033  **Rack**, for 36 straight shaft burrs with a length of 9.5 cm, foldable, sterilizable, size 22 x 14 x 2 cm

### Reprocessing

39552 A  **Wire Tray**, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030, rack not included, for the storage of 6 drill handpieces, EC Micro Motor connecting cable and small parts

395552 B  **Same**, with rack, for the storage of 6 drill handpieces, connecting cable and EC Micro Motor, up to 36 drills, burrs and small parts

39130 AR  **Cleaning Adaptor**, LUER-Lock connector, for use with INTRA and high-speed handpieces 2525xx, 2526xx
Motor Systems

Special features of the high-speed Micro Motor:

- Brushless high-speed Micro Motor
- Smallest possible dimensions
- Autoclavable
- Can be reprocessed in a cleaning machine
- Number of revolutions up to 60,000 rpm, infinitely variable
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, for use with High-Speed Micro Motor 20712033

252672  **High-Speed Handpiece**, super long, malleable, slim, angled, 60,000 rpm, for use with High-Speed Micro Motor 20712033

The handpiece shaft is malleable and can be adjusted to 20° according to the needs of the operating surgeon.

### Burrs

#### High-Speed Diamond Burrs, 60,000 rpm, sterile, for single use, package of 5

<table>
<thead>
<tr>
<th>Diameter in mm</th>
<th>extra long</th>
<th>super long</th>
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<tr>
<td>2</td>
<td>320220 EL</td>
<td>320220 SL</td>
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<td>320230 SL</td>
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<tr>
<td>4</td>
<td>320240 EL</td>
<td>320240 SL</td>
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</table>

#### High-Speed Coarse Diamond Burrs, 60,000 rpm, sterile, for single use, package of 5

<table>
<thead>
<tr>
<th>Diameter in mm</th>
<th>extra long</th>
<th>super long</th>
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<td>320320 EL</td>
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<td>320330 EL</td>
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<td>4</td>
<td>320340 EL</td>
<td>320340 SL</td>
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</table>

### Reprocessing

39552 A  **Wire Tray**, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030

39130 AR  **Cleaning Adaptor**, LUER-Lock connector, for use with INTRA and high-speed handpieces 2525xx, 2526xx
DRILLCUT-X® II-35 – for Fast and Precise Work

The new handpiece for the UNIDRIVE® S III ENT system

In conjunction with the 35k sinus burrs, the DRILLCUT-X® II-35 handpiece represents a new and efficient addition to the UNIDRIVE® S III ENT motor system. Specially optimized for the highest speeds, this handpiece together with an assortment of innovative sinus burrs allows powerful and efficient work. This saves valuable surgery time.

- Up to 35,000 rpm
- Five different burr inserts available
- Can be expanded to include a shaver blade tracker for the electromagnetic navigation of sinus burrs and shaver attachments

The expanded handpiece portfolio also makes the UNIDRIVE® S III ENT system an even more attractive option from an economic standpoint.
**DRILLCUT-X® II-35 Shaver Handpiece**, for use with UNIDRIVE® S III ENT/NEURO

**DRILLCUT-X® II-35 N Shaver Handpiece**, with adaptation possibilities for Optical Shaver Tracker 800122, for use with UNIDRIVE® S III ENT/NEURO and NAV1® PICO or NAV1® OPTICAL

**Handle**, adjustable, for use with DRILLCUT-X® II N shaver handpiece

**Optional Accessories**

41250 RA  **Cleaning Adaptor**, LUER-Lock, for cleaning DRILLCUT-X®/DRILLCUT-X® II handpieces

<table>
<thead>
<tr>
<th>Detail</th>
<th>Sinus Burr 35k, with integrated irrigation, length 12 cm, sterile, for single use, package of 5, color code: red</th>
</tr>
</thead>
<tbody>
<tr>
<td>41335 W</td>
<td>curved 40°, cylindrical, burr diameter 3 mm, shaft diameter 4 mm</td>
</tr>
<tr>
<td>41335 RN</td>
<td>curved 15°, bud drill, burr diameter 4 mm, shaft diameter 4 mm</td>
</tr>
<tr>
<td>41335 DW</td>
<td>curved 40°, diamond head, burr diameter 5 mm, shaft diameter 4 mm</td>
</tr>
<tr>
<td>41335 DT</td>
<td>curved 70°, diamond head, burr diameter 3.6 mm, shaft diameter 4 mm</td>
</tr>
<tr>
<td>41335 DS</td>
<td>curved 40°, diamond head, burr diameter 4 mm, shaft diameter 4 mm</td>
</tr>
</tbody>
</table>

12k Sinus Burrs and Shaver Blades can be found in the ENT catalog.
IMAGE1 S™ – As Individual as Your Requirements

The IMAGE1 S™ camera platform offers surgeons a single system for all applications. As a modular camera platform, IMAGE1 S™ combines various technologies (e.g., rigid, flexible and 3D endoscopy) in one system and can therefore be adapted to individual customer needs. Furthermore, near infrared (NIR/ICG) for fluorescence imaging, the integration of operating microscopes and the use of VITOM® 3D is possible via the camera platform.

- Individual modules can be selected according to user requirements, e.g., for rigid, flexible and 3D technology
- Three innovative visualization technologies for easy tissue differentiation in 2D and 3D:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA*: Color shift and exchange
- Automatic light source control
- Natural color rendition

* not for sale in the U.S.
Comparison of S-Technologies:

Standard image

CLARA

Standard image

CHROMA

Standard image

SPECTRA
**TC 201EN**  
**IMAGE1 S CONNECT® II**, connect module, for use with up to 3 link modules, 4K technology, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz

**TC 304**  
**IMAGE1 S™ 4U-LINK**, link module, for use with IMAGE1 S™ 4U camera heads, power supply 100-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC 200 or IMAGE1 S CONNECT® II TC 201

**TC 302**  
**IMAGE1 S D3-LINK®,** link module, for use with TIPCAM® S 3D and VITOM® 3D power supply 100-240 VAC/200-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC 200 or IMAGE1 S CONNECT® II TC 201

**TC 301**  
**IMAGE1 S™ X-LINK**, link module, for use with flexible video endoscopes and one-chip camera heads (up to FULL HD), power supply 100-120 VAC/200-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC 200 or IMAGE1 S CONNECT® II TC 201

**TC 300**  
**IMAGE1 S™ H3-LINK**, link module, for use with IMAGE1 FULL HD three-chip camera heads, power supply 100-120 VAC/200-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC 200 or IMAGE1 S CONNECT® II TC 201

**TH 120**  
**IMAGE1 S™ 4U One-Chip 4K UHD Camera Head,** S-Technologies available, progressive scan, soakable, EU sterilization, H₂O₂ (hydrogen peroxide), focal length f = 18 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ 4U-LINK

**TH 113**  
**IMAGE1 S™ HX-P FI One-Chip FULL HD Pendulum Camera Head,** S-Technologies (CHROMA, SPECTRA™ A and B) available, OPAL® technologies (PDD) in conjunction with light source D-LIGHT C or D-LIGHT C/AF, with pendulum system and fixed focus, progressive scan, soakable, EU sterilization, H₂O₂ (hydrogen peroxide), focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ X-LINK

**TH 110**  
**IMAGE1 S™ HX One-Chip FULL HD Camera Head,** 50/60 Hz, fixed focus, progressive scan, soakable, EU sterilization, H₂O₂ (hydrogen peroxide), focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™

**TH 102**  
**IMAGE1 S™ H3-Z FI Three-Chip FULL HD Camera Head,** S-Technologies available, for perfusion diagnosis of tissues and organs with indocyanine green (ICG) in conjunction with light source D-LIGHT P, progressive scan, with integrated Parfocal Zoom Lens, focal length f = 15-31 mm (2x), 2 freely programmable camera head buttons, for use with IMAGE1 S™ H3-LINK and IMAGE 1 HUB™ HD/IMAGE1 HD

**TH 100**  
**IMAGE1 S™ H3-Z Three-Chip FULL HD Camera Head,** 50/60 Hz, S-Technologies available, progressive scan, soakable, EU sterilization, H₂O₂ (hydrogen peroxide), with integrated Parfocal Zoom Lens, focal length f = 15-31 mm (2x), 2 freely programmable camera head buttons, for use with IMAGE1 S™ H3-LINK TC 300 and IMAGE 1 HUB™ HD/IMAGE1 HD

**7240 AA3D**  
**TIPCAM® S 3D ORL,** direction of view 0°, diameter 4 mm, length 18 cm, two FULL HD image sensors, autoclavable, S-Technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S™

**26605 BA**  
Same, direction of view 30°

**7240 FA3D**  
Same, direction of view 45°

**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 D3-LINK® TC 302 and IMAGE1 PILOT TC 014
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

TM 440  **58" 4K Monitor**, screen resolution 3840 x 2160, image format 16:9

TM 350  **32" 4K/3D Monitor**, screen resolution 3840 x 2160, image format 16:9

TM 342**  **31" 4K Monitor**, screen resolution 3840 x 2160, image format 16:9

TM 220  **27" FULL HD Monitor**, screen resolution 1920 x 1080, image format 16:9

TL 300  **Cold Light Fountain POWER LED 300 SCB**, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet

495 NCSC  **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, enhanced light transmission, with safety lock, diameter 4.8 mm, length 250 cm

495 NAC  **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, with safety lock, enhanced light transmission, can be used for ICG applications, diameter 3.5 mm, length 230 cm

* Also available in the following languages: DE, ES, FR, IT, PT, RU
** TM 342 not available in USA, Japan & China
*** not for sale in the U.S.
**IMAGE1 S™ 4U – mORE than a camera**

The IMAGE1 S™ 4U camera system allows the operating surgeon to make optimal use of the benefits offered by 4K technology. A notable feature is the image quality: High image brightness, impressive colors, greater richness of detail and a significantly improved depth effect characterize this system. Thanks to the system’s modularity, 4U components can be easily integrated into the existing IMAGE1 S™ camera platform. Consequently, the system is still compatible with existing technologies (e.g., rigid, flexible, fluorescence and 3D endoscopy) and can be adapted to meet individual customer needs.

- **IMAGE1 S™ 4U** impresses with outstanding, razor-sharp images
  - Excellent image brightness
  - First-rate color rendition
  - Greater richness of detail

- Three innovative visualization technologies for tissue differentiation:
  - **CLARA**: Homogeneous illumination
  - **CHROMA**: Contrast enhancement
  - **SPECTRA**: Spectral color shift and switch

- Easy integration into the IMAGE1 S™ camera platform

* not for sale in the U.S.
**IMAGE1 S CONNECT® II**, connect module, for use with up to 3 link modules, 4K technology, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz

**IMAGE1 S™ 4U-LINK**, link module, for use with IMAGE1 S™ 4U camera heads, power supply 100-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® II TC 200 or IMAGE1 S CONNECT® II TC 201

**IMAGE1 S™ 4U One-Chip 4K UHD Camera Head**, S-Technologies available, progressive scan, soakable, EO sterilization, H₂O₂ (hydrogen peroxide), focal length f = 18 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ 4U-LINK

**58" 4K Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 400 x 400 and VESA 400 x 200 adaptors

**32" 4K 3D Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, 5V DC output (1 A), wall mount with VESA 100 adaptor

**31" 4K Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 100 and VESA 200 adaptors

**Cold Light Fountain POWER LED 300 SCB**, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet, power supply 100-240 VAC, 50/60 Hz

**Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, with safety lock, enhanced light transmission, can be used for ICG applications, diameter 3.5 mm, length 230 cm

**Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, enhanced light transmission, with safety lock, diameter 4.8 mm, length 250 cm

**Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 300 cm

* Also available in the following languages: DE, ES, FR, IT, PT, RU
** TM 342 not available in USA, Japan & China
The TELE PACK X LED continues the tradition of the portable all-in-one systems from KARL STORZ. It can be used for a wide range of applications from the doctor’s office through to the operating room and, therefore, offers a considerable advantage in OMFS procedures.

The powerful all-in-one unit combines all the features required for optimal endoscopic imaging: Monitor, LED light source, camera control unit and data management with an integrated network function. Integrated data management enables comprehensive recording of surgical interventions. Multiple USB ports, an SD card slot and the possibility to integrate the unit into the hospital and/or practice network offer many options to archive captured photos and videos or reprocess these at an external destination.
Imaging Systems

Compact system with LED light source

**TP 100EN**

**TELE PACK X LED**, endoscopic video unit for use with KARL STORZ TELECAM one-chip camera heads and video endoscopes, incl. LED light source similar to Xenon technology, with integrated digital Image Processing Module, 15" LCD TFT monitor with LED backlight, USB/SD memory module, color systems PAL/NTSC, power supply 100-240 VAC, 50/60 Hz including:

- **USB Silicone Keyboard**, with touchpad, US character set
- **USB Flash Drive**, 32 GB
- **SD Card**, 32 GB
- **Mains Cord**, length 300 cm

**Accessories**

**20 212030**

**TELECAM One-Chip Camera Head**, color system PAL, soakable, gas-sterilizable, with integrated Parfocal Zoom Lens, f = 25-50 mm (2x), 2 freely programmable camera head buttons

**495 NT**

**Fiber Optic Light Cable**, with straight connector, diameter 2.5 mm, length 180 cm
Imaging and OR Integration

KARL STORZ OR1™
Future-oriented integration meets innovative data management

KARL STORZ SE & Co. KG, Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany
www.karlstorz.com
Further information and an overview of Oral and Maxillofacial Surgery products from KARL STORZ can be viewed on www.karlstorz.com in the Human Medicine section, Oral and Maxillofacial Surgery.

It is recommended to check the suitability of the product for the intended procedure prior to use.