PRESS KIT
MEDICA 2019

What We Share – Passion for Medical Technology. This year, the endoscopy specialist KARL STORZ is once again presenting its innovative product solutions at the leading trade fair for medical technology. As the world’s largest medical trade fair, MEDICA is the meeting point for international health professionals as well as manufacturers and offers a platform for exchange on important trends and technologies in the industry. At the KARL STORZ booth, visitors can discover the company’s wide range of new products and experience them live on any of the four days of the trade fair. Among other things, KARL STORZ is presenting the following highlights:

- Universally usable – the TELE PACK + compact endoscopy system
- New imaging technologies – IMAGE1 S™ RUBINA
- Improved ergonomics and efficient workflows in the daily OR routine – the ARTIP™ CRUISE motorized holding arm
- OR integration simply done with the OR1™ AIR and OR1 NEO® integration solutions
- Digitalization of OR processes and services – OR1™ software modules and apps

For details, please visit the KARL STORZ booth:

HALL 10, BOOTH D22

Or take a look at the enclosed press kit.
What We Share – Passion for Medical Technology
KARL STORZ at MEDICA 2019

Tuttlingen / Düsseldorf – 18 Nov 2019: Under the motto “Passion for Medical Technology”, the medical technology company KARL STORZ from Tuttlingen, Germany, is again presenting tomorrow’s technology trends to the professional visitors of MEDICA 2019, with the medical field’s ergonomic and efficiency demands as well as solutions for excellent imaging for the benefit of patients taking center stage.

“Given the multitude of our new products and innovations, this year’s exhibit will particularly focus on our expertise in the areas of endoscopic imaging, motorized assistance systems, and innovative system solutions for software-supported networking in the operating room. With the new product solutions, KARL STORZ is highlighting its consistent systems concept, which the company’s product development has continually focused on for more than 70 years,” comments a KARL STORZ company spokesperson.

For optimal surgical results, the visualization and display of significant and critical structures is of essential importance to physicians. The continuous advancement of KARL STORZ camera technology in particular is constantly improving endoscopic diagnosis and thereby supports the growing range of treatments in minimally invasive surgery. In addition to all-in-one endoscopy systems, which allow mobile endoscopic documentation, there is a high demand for imaging systems that visualize specific details and thereby enable users to establish exact and robust findings and perform specific treatment. With the new IMAGE1 S™ RUBINA imaging technology, KARL STORZ is combining the three major trends of endoscopic imaging in a single system: 3D technology, which permits spatial visualization of the surgical field, 4K technology, which supports image quality with greater resolution and a wider color gamut, as well as fluorescence diagnostics with NIR/ICG.

For the integrated operating room, KARL STORZ is presenting OR1™ AiR, a modern and easy-to-install integration solution that consists of only two modules. The system is the most compact in its class and enables 4K UHD A/V management within the operating room as well as documentation and audiovisual communication within the hospital. This and other digital solutions for the operating room promise additionally improved efficiency in terms of workflow, economy, and quality.

18th November 2019/Corp.Com.
Please feel free to contact us for more information.

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The KARL STORZ booth at MEDICA – We are looking forward to your visit!

About KARL STORZ:

Since its founding over 70 years ago, KARL STORZ SE & Co. KG (Tuttlingen, Germany) has developed into a globally active medical technology company that today stands for innovative excellence in endoscopy for human and veterinary medicine as well as industrial applications. Its intensive professional dialog with leading physicians, university medical centers, and research institutes ensures that products and services can be designed to consistently meet the needs arising in medical practice.

At EUR 1.71 billion in sales (2018), the family company is on a steady course of growth and will continue to combine quality and progress to offer customers the best solutions to medical issues. At over 50 KARL STORZ subsidiaries in Germany and abroad, 8,000 employees worldwide pursue this goal, offering customer-focused consultation, sales, and service.

www.karlstorz.com
TELE PACK +
Compact Endoscopy

Imaging diagnostics are performed not only in hospitals, but also in offices and outpatient clinics. These settings particularly require compact, flexible devices that nevertheless offer high image quality. The new all-in-one system TELE PACK + from KARL STORZ meets these demands. The system combines a monitor, LED light source, FULL HD camera control unit, and documentation unit with integrated network function in a single portable, compact device.

A 18.5" touchscreen monitor with on-screen keyboard and intuitive operation offers high user convenience as well as image display in FULL HD quality. The integrated LED light source ensures long-lasting bright and uniform illumination. The powerful all-in-one system is suitable for universal use, for instance in physician practices, emergency rooms, intensive care units, and the outpatient setting. Its compatibility with KARL STORZ rigid, flexible, and single use endoscopes meets a wide variety of user and specialty demands. Integrated data management allows the comprehensive recording of treatments and findings. Network functionality additionally facilitates use in combination with the KARL STORZ SCENARA®.CONNECT software solution. The latter allows patient data to be transferred from the HIS/PACS to the TELE PACK + and back to the system.

The TELE PACK + offers everything needed to perform endoscopic imaging for flexible use in various specialties, and its compact size is a good fit in a wide variety of examination scenarios.
IMAGE1 S™ RUBINA
mORe to discover

The value of medical imaging very much depends on the quality and relevance of the supplied data. Important information, such as the display of significant and critical structures, is often not recognizable at first glance. In recent years, fluorescence imaging with NIR/ICG, for instance, has become one of the most important market trends in minimally invasive surgery (MIS). This technology can visualize anatomic structures, perfusion or perfusion defects as well as the lymphatic system.

Additional information is also supplied by 3D imaging. The third dimension has proven particularly useful for hand-eye coordination when performing complex three-dimensional tasks such as dissection or suturing. Numerous studies have confirmed the advantages of 3D in MIS in terms of patient safety, surgical outcome, and the required operating time.

The new 4K resolution standard supports image quality with a wider color gamut and much higher resolution than FULL HD. This means that far more details can now be displayed in the surgical image. The new IMAGE1 S™ RUBINA imaging technology from KARL STORZ combines these three major trends of endoscopic imaging and thereby optimally supports surgeons’ work by supplying the highest-quality information.
ARTip™ cruise
The art of positioning

The new ARTIP™ CRUISE motorized holding system for easy and precise positioning

Ergonomics and efficiency are becoming ever more important in the operating room. Holding systems can be valuable assets in this regard. The ARTIP™ CRUISE motorized holding arm from KARL STORZ allows easy, fast, and precise positioning of the VITOM® 3D visualization system for open and microsurgical procedures in various specialties.

Integration into the IMAGE1 S™ camera platform creates synergistic effects which marry the advantages of endoscopy with those of microscopy, for instance in the combined use with endoscopes in endoscope-assisted microsurgery.

The holding arm and the IMAGE1 S™ camera are controlled by the IMAGE1 PILOT control unit, which is mounted in the sterile field within the surgeon's immediate workspace. This setup makes complex positioning steps intuitive and easy to perform. The direct communication between the two systems enables precise positioning. As a result, users can easily focus on the desired anatomical structure and move around it if necessary. Surgeons can save their preferred position and recall it at a later time.

With the ARTIP™ CRUISE, KARL STORZ supplies another element contributing to greater ergonomics and efficiency in the OR.

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OR1 NEO®
The ultimate operating room

OR1 NEO® – The high-end OR integration solution that can be adapted to individual needs

With OR1 NEO®, KARL STORZ offers a new generation of high-end OR integration solutions.

OR1 NEO® facilitates image distribution (A/V management) within and outside the operating room, the control of devices and room functions, and bidirectional audiovisual communication inside and outside the hospital. In the documentation of image and video data, the system supports the workflow via a DICOM worklist.

The solution features touch-capable surgical viewing monitors, swipe gesture control familiar from smartphone use, and the option of elegant and space-saving in-wall storage of the necessary hardware. Additionally, mobile devices such as X-ray units can be connected and controlled at any time with the ADAPTOR1® system connector.

OR1 NEO® offers virtually lag-free image transmission in brilliant 4K UHD, 3D, or FULL HD. OR1 NEO® also features the intuitive user interface familiar from other KARL STORZ products and is compatible with the new KARL STORZ software solutions.
OR1™ AIR
OR Integration Simply Done

OR1™ AIR – the innovative and compact OR integration solution

OR1™ AIR is a cutting-edge, smart OR integration solution from KARL STORZ comprising the proven AIDA® documentation solution and the new OR1™ .avm module. Customers who already use an AIDA® unit can easily expand their system by adding the OR1™ .avm at any time.

OR1™ AIR, the most compact device in its class, offers image distribution (A/V management) inside the OR, documentation of image and video data (including via DICOM worklist) as well as bidirectional audiovisual communication within the hospital. Due to its minimal footprint, this integration solution can be placed on an equipment cart or a ceiling supply unit for simple installation.

OR1™ AIR offers virtually lag-free image transmission in brilliant 4K UHD, 3D, or FULL HD. Additionally, OR1™ AIR features the familiar KARL STORZ intuitive user interface and is compatible with the new KARL STORZ software solutions.

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Digitalization of Processes and Services
Software modules and apps on the KARL STORZ platform solution

OR1™ Interactive Display – the future of integration

KARL STORZ OR1™ products and solutions follow the patient and support the user in the preoperative, intraoperative, and postoperative phases of surgical procedures. The declared objective is to supply the user with the necessary information in the right place at the right time.

For this purpose, KARL STORZ created a digital solution with a central, open software platform to offer physicians, OR managers, IT administrators, and the hospital management the following benefits:

Ranging from an OR management app for coordinating the various service providers (surgical teams, cleaning teams, etc.) to content management with an established image and video platform and the structured surgical report, various software tools are available that can be successively added and updated to future software versions. Additionally, the platform can be integrated into the hospital’s existing IT infrastructure through HL7 and DICOM. The applications can be optionally used on tablets and smartphones as well. In the near future, data logging functions (big data / smart data) as well as video analysis modules on the basis of cutting-edge system architecture will be integrated in this portal.

In the form of the OR1™ Interactive Display, KARL STORZ additionally offers the appropriate hardware. All OR1™ solutions can be controlled through the large-format 4K UHD multitouch monitor with 12x zoomable dashboard. The OR1™ Interactive Display is integrated into the hospital network, thereby enabling the display and use of classic hospital software solutions (e.g., HIS, PACS, RIS, Intranet).

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