



Ultrasonic liver surgery:

HEPACCS – cutting-edge dissection experience



→ Ultrasonic liver surgery: HEPACCS – cutting-edge dissection experience

HEPACCS instruments offer latest technology, excellent design and a variety of product options for open and laparoscopic liver surgery.

The new DELTA Tissue Technology is incorporated in all HEPACCS instruments, leading to optimized tissue effects. Using HEPACCS the dissection is very precise and desired structures are kept intact. The light-weight and well balanced HEPACCS

instruments feel natural in surgeon's hand and offer an easy and comfortable working.

For current and future needs the HEPACCS assortment provides a wide range of product solutions – comprising a fully integrated HF coagulation function and a laparoscopic sonotrode with an outstanding small sheath diameter for even more minimal invasive procedures.



HEPACCS – cutting-edge dissection experience:

- + *Optimized tissue effects - surgical precision for liver resection*
- + *Easy and comfortable working - designed for surgeon's hand*
- + *Future-oriented full assortment - for leading laparoscopic surgery*

Optimized tissue effects: surgical precision for liver resection

HEPACCS with implemented DELTA Tissue Technology provides optimized tissue effects.

Working with HEPACCS is focussing on the essential:



- *desired structures are kept intact*



- *precise tissue dissection*



- *minimal adhesion and sticking to tissue*



- *excellent visibility and minimal spray formation*

DELTA Tissue Technology

DELTA Tissue Technology consists of four key components, which are systematically harmonized for optimized tissue effects:

- *powerful ultrasonic converter*
- *precisely designed sonotrodes geometrics*
- *optimally adjusted irrigation and aspiration*
- *further developed software*

50%
HIGHER WORKING SPEED*

* Data on file, based on customer feedback.
Pictures above show porcine liver exemplary, which was prepared in a laboratory setup.

Easy and comfortable working: designed for surgeon's hand

The new ergonomic HEPACCS design provides comfort in a variety of surgical situations during liver resection.



Comfortable working

The well balanced and 44% lighter** instrument supports comfortable working.

Interruption free workflow

The fully integrated monopolar HF coagulation function enables interruption free workflow.

Easy handling

Only one tubing and one instrument cable, even when using HF, results in a tidied up sterile OR area for an easy handling.

Secure & fast sonotrode assembling

With the HEPACCS torque wrench the sonotrode is rapidly mounted to the instrument. An audible click sound ensures a secure connection – Click & Start.

** compared to the previous instrument generation (94-series Macro instruments)

**GET
THE EXPERIENCE!**

Future-oriented full assortment: for leading laparoscopic surgery

The HEPACCS instrument for laparoscopy enables even more minimal invasive surgery by the outstanding small sheath diameter of 4.95 mm and a fully integrated monopolar HF coagulation function.

HEPACCS instrument for laparoscopy:

- 4.95 mm sheath diameter - over the entire working length
- 2 energies - ultrasound and monopolar HF coagulation for interruption free workflow
- 312 mm working length – merges perfectly with standard used laparoscopic instruments



**GET
FUTURE READY!**

Flexibility thanks to modularity

HEPACCS future-oriented full assortment offers six flexible instrument options through two instruments and three sonotrodes for open and laparoscopic surgery.

3 sonotrodes

2.2 mm tip



3.2 mm tip



2.6 mm tip



2 instruments



6 options - for open and laparoscopic surgery

At a glance: HEPACCS product overview

HEPACCS instrument HEPACCS instrument with HF



Article no.	95-300 95-300-HF
Weight	90 g
Irrigation & aspiration	yes
Scope of delivery	with separate cable (for 95-300) with separate cable with HF (only 95-300-HF)
Reprocessing	150 cycles
HF-function (only for 95-300-HF)	international 3-pin socket***
Ultrasonic generator	SONOCA 300 FL-version SONOCA 400 FL-version Software 4.72, 5.72, 5.73

HEPACCS instrument tray



Article no.	616K0200
Reprocessing	reprocessable

HEPACCS torque wrench



Article no.	616K0009
Reprocessing	150 cycles

HEPACCS combination tubing



Article no.	700S0318-10
Reprocessing	single-use

HEPACCS sonotrodes

Article no.	617K0014	617K0022	617K0030
Working length	48 mm	41 mm	312 mm
Outer tip Ø inner tip Ø	2.2 mm 1.4 mm	3.2 mm 2.2 mm	2.6 mm 1.7 mm
Scope of delivery	non-sterile	non-sterile	non-sterile
Reprocessing	1 cycle	1 cycle	1 cycle

HEPACCS flues

Article no.	610K0114-10	610K0113-10	617K0300-10
Reprocessing	single-use	single-use	single-use

*** for connecting an applied part of type CF (according to IEC60601-1), monopolar coagulation signal with max. 1.4 kVp

The SONOCA 300 ultrasonic generator

The SONOCA 300 is characterised by its high reliability and ease of use. During start-up it performs an automatic self-test which indicates the user that all functions are available. When the HEPACCS instrument is connected, initial operating parameters are suggested. These settings comprise ultrasonic power as well as aspiration and irrigation. All values can be easily adjusted at any time to allow a prompt and controlled response if conditions change.

The advantages:

- integrated irrigation and aspiration function
- quick set-up with automatic self-test
- easy adaptation of operating parameters thanks to the intuitive user interface



Trusted performance: over 35 years leading innovation

Headquartered in Quickborn, Germany, Söring GmbH was founded in 1985 by Holger Söring, and has been manufacturing high-end products for ultrasonic surgery ever since. The company stands for leading ultrasonic technology with its numerous established applications for liver surgery, neurosurgery and spine surgery as well as for wound debridement. At Söring, everything is “Made in Germany”: from development and production to distribution. The wide range of products is always optimised and expanded in close cooperation with leading surgeons to achieve maximal customer satisfaction. Following this understanding, the company offers a comprehensive maintenance and servicing programme.



Söring

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