

Units and modules



The Erbe workstation

configurable for any speciality

The VIO electrosurgical unit is the master module of the workstation. In terms of hardware and software, it is configured based on CUT and COAG modes or socket assignments that are optimized for particular applications.

The VIO surgical system is supplemented by additional modules that are integrated on the equipment cart: units for argon plasma coagulation (APC 2), waterjet surgery (ERBEJET 2), smoke plume evacuation (IES 2), aspiration of secretion (ESM 2) or an endoscopic irrigation pump (EIP 2), as well as other modules.

An overview of all software and hardware configurations is provided in this overview brochure. The Erbe workstations support a wide range of instruments and accessories; further information is available in our accessories catalog 85100-168 or on our website.



Electrosurgery	04
04	Areas of application
05	Unit
08	Socket modules for all VIO unit
09	CUT and COAG modes and upgrade
10	Modules
Argon plasma coagulation	12
Waterjet surgery	13
Cryosurgery	14

Contents

VIO D

VIO 200/300 D



VIO S

VIO 200/300 S



VIO C

VIO 50/100 C



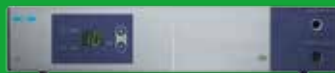
APC 2

Argon plasma coagulation



NT 2

Nerve test



VEM 2

VIO extension module



ERBEJET 2

waterjet surgery system



IES 2

Smoke plume evacuator



EIP 2

Endoscopic irrigation pump



ESM 2

Secretion aspirator for ERBEJET 2



Electrosurgery

Areas of application

For practices in hospitals and outpatient operations

Clinics/Practices

	VIO 300 D	VIO 200 D	VIO 300 S	VIO 200 S	VIO 50/100 C
Gynecology	■	-	☐	-	☐
Urology	■	-	☐	-	■
General surgery	■	-	☐	-	■
Gastroenterology / Endoscopy	☐	■	☐	☐	-
Pulmonology	☐	■	☐	☐	-
ENT	■	-	☐	-	■
Orthopedics	■	-	☐	-	■
Dermatology	■	-	-	☐	■
OMS	■	☐	☐	-	■
Ophthalmology	-	-	-	☐	■

Legend:

- *strongly recommended*
- ☐ *recommended*

Electrosurgery

Units

VIO® 300 D

In addition to vessel sealing, the high-end unit from the VIO product range offers all APC modes and all available CUT and COAG modes (either as a standard mode in the unit or as an upgrade)

- Simple and interactive operation using the TFT display
- Automatic power adjustment for all control technologies
- Variable configuration of socket assignment
- Additional upgrades available for specific medical specialties



No. 10140-100

Upgrades

PRECISE Upgrade - PRECISE CUT - BIPOlar PRECISE CUT - PRECISE COAG - BIPOlar PRECISE COAG	29140-217
ENDO CUT Upgrade - ENDO CUT Q - ENDO CUT I	29140-218
TWIN COAG Upgrade - TWIN COAG - Argon TWIN COAG	29140-216
BiClamp Upgrade	29140-214

VIO® 200 D

VIO electrosurgical unit for endoscopy and other disciplines with all APC modes and other COAG modes for endoscopy, ENDO CUT I and Q as an upgrade

- Simple and interactive operation using the TFT display
- Automatic power adjustment for all control technologies
- Variable configuration of socket assignment
- Additional upgrades available for specific medical specialties



No. 10140-200

Upgrades

PRECISE Upgrade - PRECISE CUT - BIPOlar PRECISE CUT - PRECISE COAG - BIPOlar PRECISE COAG	29140-217
ENDO CUT Upgrade - ENDO CUT Q - ENDO CUT I	29140-218
DRY CUT Upgrade - DRY CUT - Argon DRY CUT	29140-215

Electrosurgery

Units

VIO® 300 S

Universal VIO electrosurgical unit based on different variants. For many surgical specialities with the most important CUT and COAG modes as well as FORCED APC, with optional ENDO CUT I and Q

- Direct operation using the segment display
- Automatic power adjustment for all control technologies
- Variable configuration of socket assignment



No. 10140-300

Upgrades

ENDO CUT Upgrade - ENDO CUT Q - ENDO CUT I	29140-218
TWIN COAG Upgrade - TWIN COAG - Argon TWIN COAG	29140-216

VIO® 200 S

VIO electrosurgical unit for many electrosurgical procedures and for specialist medical practices with the most important CUT and COAG modes as well as FORCED APC, with optional ENDO CUT I and Q

- Direct operation using the segment display
- Automatic power adjustment for all control technologies
- Variable configuration of socket assignment



No. 10140-400

Upgrades

ENDO CUT Upgrade - ENDO CUT Q - ENDO CUT I	29140-218
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Electrosurgery

Units

VIO® 100 C

VIO compact electrosurgical unit for use in surgical practice with the most important CUT and COAG modes (100 watt unit)

No. 10140-500

- Direct operation using the segment display
- Monopolar cutting
- Monopolar and bipolar coagulation



VIO® 50 C

VIO compact electrosurgical unit for use in surgical practice with the most important CUT and COAG modes (50 watt unit)

No. 10140-550

- Direct operation using the segment display
- Monopolar cutting
- Monopolar and bipolar coagulation



Electrosurgery

Socket modules for all VIO units


Bipolar sockets (BI)

No. 20140-610	No. 20140-612	No. 20140-613
 8/4 mm	 2Pin-22 mm (not for VIO 50 C and VIO 100 C)	 2Pin-22-28-8/4 mm

Monopolar sockets (MO)

No. 20140-620	No. 20140-622	No. 20140-623
 9/5 mm (not for VIO 50 C and VIO 100 C)	 3Pin-Bovie	 3Pin-9/5 mm

Multifunctional socket (MF) for VIO 300 D only

No. 20140-630	No. 20140-630	Blind socket No. 20140-660
 Multifunctional		 Socket cover without function

Neutral electrode sockets (NE)

No. 20140-640	No. 20140-641	No. 20140-642
 6 mm	 2Pin	 6 mm-2Pin

Socket modularity

	VIO 300 D	VIO 200 D	VIO 300 S	VIO 200 S	VIO 100 C	VIO 50 C
Slot 1	BI	BI	BI	BI	BI	BI
Slot 2	MO, BI, MF	MO, BI	MO	MO	MO	MO
Slot 3	MO, MF	MO	MO	MO	-	-
Slot 4	NE	NE	NE	NE	NE	NE

Electrosurgery

CUT and COAG modes and upgrades

CUT Modes

	VIO 300 D	VIO 200 D	VIO 300 S	VIO 200 S	VIO 50/100 C
AUTO CUT	■	■	■	■	■*
HIGH CUT	■	-	○	-	-
DRY CUT	■	▣	○	-	■*
DRY CUT°	■	-	○	-	-
BIPOLAR CUT	■	■	○	-	-
BIPOLAR CUT +	■	-	-	-	-
BIPOLAR CUT ++	■	-	-	-	-
PRECISE CUT	▣	▣	-	-	-
BIPOLAR PRECISE CUT	▣	▣	-	-	-
ENDO CUT Q	▣	▣	□	□	-
ENDO CUT I	▣	▣	□	□	-
ARGON AUTO CUT	■	■	■	■	-
ARGON HIGH CUT	■	-	○	-	-
ARGON DRY CUT	■	▣	○	-	-
ARGON DRY CUT°	■	-	○	-	-

COAG Modes

	VIO 300 D	VIO 200 D	VIO 300 S	VIO 200 S	VIO 50/100 C
SOFT COAG	■	■	○	■	■*
SWIFT COAG	■	■	○	-	-
SWIFT COAG°	■	-	○	-	-
CLASSIC COAG	■	-	■	-	-
FORCED COAG	■	■	○	■	■*
SPRAY COAG	■	-	■	-	-
BIPOLAR SOFT COAG	■	■	■	■	■*
BIPOLAR SOFT COAG +	■	-	-	-	-
BIPOLAR SOFT COAG ++	■	-	-	-	-
BIPOLAR FORCED COAG	■	■	-	-	-
PRECISE COAG	▣	▣	-	-	-
BIPOLAR PRECISE COAG	▣	▣	-	-	-
TWIN COAG	▣	-	□	-	-
BICLAMP	▣	-	-	-	-
FORCED APC	■	■	■	■	-
PRECISE APC	■	■	-	-	-
PULSED APC	■	■	-	-	-
ARGON SOFT COAG	■	■	○	■	-
ARGON SWIFT COAG	■	■	○	-	-
ARGON SWIFT COAG°	■	-	○	-	-
ARGON FORCED COAG	■	■	○	■	-
ARGON TWIN COAG	▣	-	□	-	-

Legend:

■ included

○ depending on the version

▣ upgradeable

□ only available ex factory (must be ordered)

* modified modes,
power adjustment only

Modules

IES 2, smoke plume evacuation

No. 10322-000

Smoke plume evacuation with high suction capacity

- Manual activation, using footswitch or automatically for electrosurgical activation
- Variable assignment of suction programs
- Programmable values for CUT or COAG suction
- Basic suction and suction with run-on time
- Long filter operating time



EIP 2, irrigation pump for endoscopic procedures

No. 10325-000

Endoscopic irrigation pump for irrigating the target tissue

- Activation via footswitch or via the user interface on the unit
- 3 quick access options for irrigation level (30 %, 50 % and 80 % irrigation)
- Values can be changed individually and quickly
- Additional irrigation catheter often not required



Modules

NT 2, nerve test

Nerve testing unit for localization of nerves and muscle structures

No. 10142-000

- Versatile application for all surgical procedures in sensitive structures
- The post-operative result is optimized



VEM 2, VIO extension module

Additional module for extended VIO socket assignment

No. 10141-000

- 2 additional sockets can be connected to the VIO electro-surgical unit
- As a result, more flexibility in selecting socket assignment



Argon plasma coagulation

Units and socket modules



APC® 2

No. 10134-000

Effective coagulation of bleeding, as well as devitalization of changes in tissue

- 3 APC modes: FORCED APC, PRECISE APC, PULSED APC (see table on page 9)
- Non-contact procedure, instrument tips cannot become clogged
- Even effects with coagulation and devitalization
- Good dosage accuracy, resulting in greater safety during application
- Low risk of perforation
- Argon-supported cutting
- Minimum carbonization, minimum development of smoke plume, good visibility of the target area



APC sockets		Blind socket
No. 20134-650	No. 20134-651	No. 20140-660
 APC	 FiAPC	 Socket cover without function

Waterjet surgery

Units and modules

ERBEJET® 2

No. 10150-000

Selective dissection of tissue, layer-specific elevation of tissue layers

- Basic module for hybrid technology
- Applications include general or abdominal surgery, gastroenterology, urology
- Protects blood vessels, nerves and organs
- High degree of tissue selectivity enables exposure and dissection of tissue layers
- Minimized bleeding, controlled management of bleeding



ESM 2, suction module

No. 10340-000

Suction module for the waterjet surgery unit (ERBEJET 2)

- Individual or automatic suction for waterjet application
- Clear view of the target operating area



Cryosurgery

Units and modules

ERBECRYO® 2

Cryosurgical unit for cryobiopsy, recanalization and cryo-devitalization

No. 10402-000

- Application with flexible probes for pulmonology
- Superior tissue samples in terms of quality and quantity
- No crush artifacts or hemorrhages
- High diagnostic weighting
- Supports endobronchial and transbronchial biopsy
- Coolant: carbon dioxide (CO₂)



ERBOKRYO® AE

Cryosurgical unit for ophthalmology and other disciplines

No. 10731-001

- Freely adjustable freezing temperature
- Precise display of temperature and duration of freezing
- Fast freeze performance
- Fast defrosting phase
- Coolant: nitrous oxide (N₂O) or carbon dioxide (CO₂)



Cryosurgery

Units and modules

ERBOKRYO® CA

No. 10448-000

Cryosurgical unit with a wide range of applications in many disciplines

- Freely adjustable freezing temperature
- Coolant: nitrous oxide (N₂O) or carbon dioxide (CO₂)





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