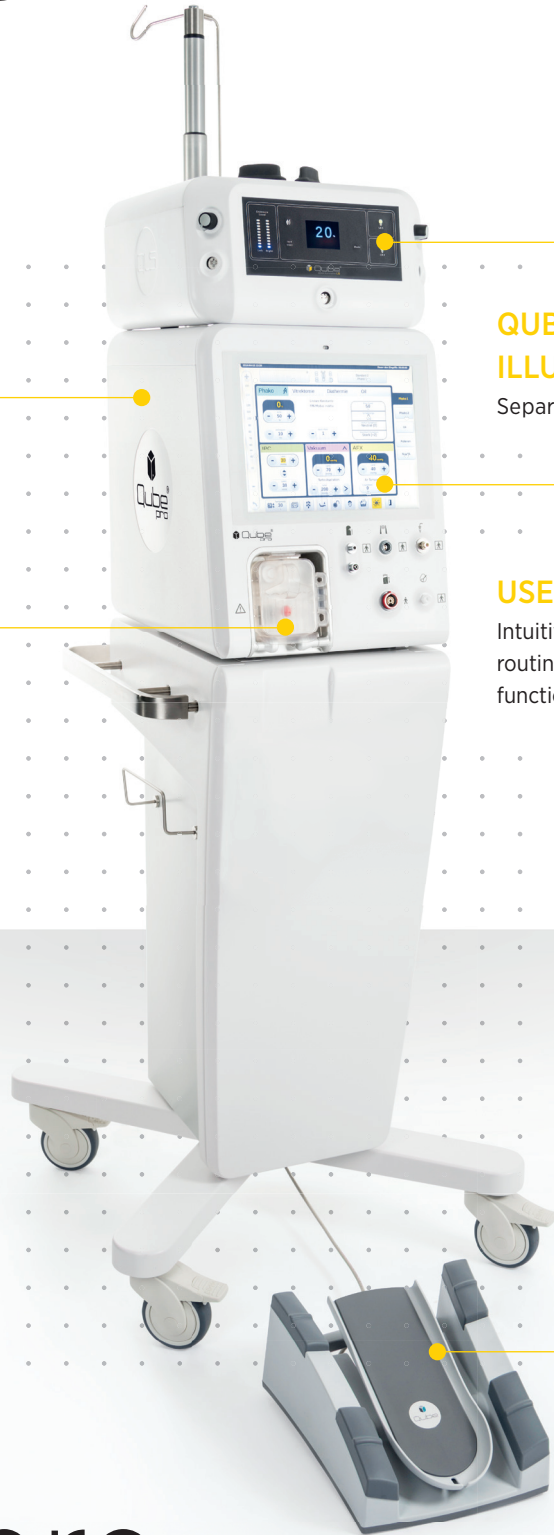




RUCK



**RELIABLE**

Anterior chamber stability with patented Fluid Path Adaptation (FPA)

**QUBE® XENON ILLUMINATION LS**

Separate xenon light source

**USER FRIENDLY**

Intuitive user interface with 7 preset routine surgical steps and day-night function

**EFFICIENT**

Sterile, one-hand cassette system

**STATE OF THE ART  
MADE IN GERMANY**

**FLEXIBLE**

Dual-linear footswitch

# Qube® pro with Qube® xenon illumination LS

the smart system

The unique and innovative surgery system –  
designed for the anterior and posterior eye segment

# Qube<sup>®</sup> pro

The unique and innovative surgery system – designed for the anterior and posterior eye segment

## DEVICE

- Dimensions: 320 x 450 x 380mm (w x h x d)
- Weight: 25kg
- Power supply: 100–240VAC; 50–60Hz; 250W; 4.0A
- Compressed air supply: 400–1,000kPa (4–10bar); 60l/min
- Moisture proof: IP21
- Display: 12inch (30.5cm) touch screen; resolution 800 x 600pixel

## TECHNICAL DATA

### Phacoemulsification:

- Resonance frequency: 40 ±2kHz
- Phaco modes:
  - Constant, Pulsed
  - “Qubic Phako“
  - “Width Phako“

### Irrigation / Aspiration

- Irrigation: 100cm ±20%
- Aspiration: Venturi pump 650mmHg ±20% (at zero level)
- Gravitational or infusion pressure control (IPC)
- Auto backflush

### Diathermy

- Bipolar diathermy
- Connection power: 9W/50Ω; 2MHz ±20%

### Pneumatic cutter

- 60–3,500 ±20% cuts/min (single line)
- 60–5,500 ±20% cuts/min (dual line)

### Air / Fluid Exchange (AFX)

- Pressure: 5–120mmHg ±20%

### Oil infusion (VFI)

- 5.5bar ±20%



## ELECTRICAL INFUSION POLE

- Length: 1,600 to 2,600mm (height be limited)
- Weight: 3.8kg
- Load capacity: max. 4kg

## FOOTSWITCH

- Dimension: 319 x 295 x 143mm (w x h x d)
- Weight: 4kg
- Dual-linear multifunctional footswitch with 8 bumpers
- 5m cord

## CART

- Dimensions: 605 x 945 x 960mm (w x h x d) incl. instrument tray
- Weight: 15kg

## MANUFACTURER

Fritz Ruck Ophthalmologische Systeme GmbH  
Ernst-Abbe-Str. 30 b  
52249 Eschweiler, Germany

# ORDERING INFORMATION

	Designation	Description	Article no.	Qty. per unit
<b>Qube® pro and accessories at a glance</b>	Qube® Eye Surgery System	Eye surgery system, particularly for anterior chamber procedures, including cart, footswitch and active infusion pole	00QA01	1
	USB stick, Qube®	USB stick for data transfer, e.g. OR logs	01QA02	1
	Instrument tray, Qube®, small	Instrument tray for mounting on cart	01QA05	1
	Dust cover, Qube®	Cover for Qube® storage	01QA15	1
	Sterile pen for monitor control	Reusable pen for touchscreen control	02OM50	1
	Holder for sterile monitor pens	Holder for pen 02OM50	01P230	1
	Qube® pro remote control	Operating/setting of Qube® pro over remote control	01QL05	1
	Sterile cover for remote control	Sterile cover for Qube® pro remote control 01QL05	01QL10	1
<b>Phaco handpiece, reusable</b>	Phaco handpiece "Titanium"	Phaco titanium handpiece for phacoemulsification	02PH42	1
<b>Qube® cassette systems, single use, sterile</b>	Qube® cassette system, standard	Cassette with drip chamber, I/A tubing and collection bag	03QA10	4
	Qube® cassette system, IPC	Cassette with drip chamber, I/A tubing, collection bag and IPC	03QA11	4
<b>Phaco cannula sleeve set, single use, sterile</b>	Phaco cannula set 19G	Comprising phaco cannula "Turbo", 30°, diam. 1.2/0.7mm, silicone sleeve 19G and silicone test chamber	03QP19	10
	Phaco cannula set 20G	Comprising phaco cannula "Turbo", 30°, diam. 0.89/0.50mm, silicone sleeve 20G and silicone test chamber	03QP20	10
	Phaco cannula set 21G	Comprising phaco cannula "Turbo", 30°, diam. 0.89/0.50mm, silicone sleeve 21G and silicone test chamber	03QP21	10
	Phaco cannula set 23G	Comprising phaco cannula "Mini-Turbo", 30°, diam. 0.80/0.60mm, silicone sleeve 23G and silicone test chamber	03QP23	10
<b>Sleeve set, single use, sterile</b>	Sleeve set 19G	Comprising silicone sleeve 19G and silicone test chamber	03QP29	10
	Sleeve set 19G - CF	Comprising silicone sleeve 19G Cool Flow and silicone test chamber	03QP39	10
	Sleeve set 20G	Comprising silicone sleeve 20G and silicone test chamber	03QP30	10
	Sleeve set 21G	Comprising silicone sleeve 21G and silicone test chamber	03QP31	10
	Sleeve Set 23G	Comprising silicone sleeve 23G and silicone test chamber	03QP33	10
<b>I/A handpieces, bimanual, single use, sterile</b>	Bimanual I/A set 20G	Aspiration: big port diam. 0.35mm; Irrigation: 2 port, diam. 0.65mm	03IA20	10
	Bimanual I/A set 20G, 0.25mm port	Aspiration: small port diam. 0.25mm; Irrigation: 2 port, diam. 0.45mm	03IA52	10
	Bimanual I/A set 21G	Aspiration: big port, diam. 0.35mm; Irrigation: 2 ports, diam. 0.45mm	03IA53	10
<b>I/A handpieces, bimanual, reusable, non-sterile</b>	Aspiration handpiece, aspiration diam. 0.35mm, 21G	Aspiration with coarse tip and one aspiration port of diam. 0.35mm	02IA36	1
	Aspiration handpiece, aspiration diam. 0.25mm, 21G	Aspiration with coarse tip and one aspiration port of diam. 0.25mm	02IA37	1
	Irrigation handpiece, coarse tip, irrigation 2 x diam. 0.50mm, 21G	Irrigation with coarse tip and 2 irrigation ports of diam. 0.50mm each	02IA38	1
<b>I/A handpieces, monomanual, reusable, non sterile</b>	I/A handpiece, 19G, 45° angled	Monomanual handpiece for irrigation and aspiration with a 45° angled tip; 19G	02IA31	1
	I/A handpiece, 19G, straight with sleeve	Monomanual handpiece for irrigation and aspiration with a straight tip and sleeve; 19G	02IA32	1
	I/A handpiece, 19G, 45° angled with sleeve	Monomanual handpiece for irrigation and aspiration with a 45° angled tip and sleeve; 19G	02IA33	1
	I/A handpiece, 19G, 30°, angled with sleeve	Monomanual handpiece for irrigation and aspiration with a 30° angled tip; 19G	02IA34	1

# ORDERING INFORMATION

	Designation	Description	Article no.	Qty. per unit
<b>Vitreotomy Cutter, single use, sterile</b>	Vitreous cutter with tubing set, 23G	Vitreotomy Cutter 23G with up to 5500 Cutts per minute	2470CE	6
	Vitreous cutter with tubing set, 25G	Vitreotomy Cutter 25G with up to 5500 Cutts per minute	2490CE	6
	Pneum. vitrectomy cutter 23G, 30psi, 2500cpm	Vitreotomy Cutter 23G with up to 2500 Cutts per minute	03VI04	5
	Pneum. vitrectomy cutter 20G, 30psi, 2500cpm	Vitreotomy Cutter 20G with up to 2500 Cutts per minute	03VI66	5
	Infusion sleeve for pneumatic cutter	Sleeve for additional Irrigation in combination with 03VI66	03VI34	5
<b>Diathermy cord, reusable</b>	Cord for bipolar diathermy	Reusable non-sterile cord for bipolar diathermy	02BI46	1
<b>Bipolar diathermy pins and forceps, reusable, non sterile</b>	Bipolar diathermy forceps, straight	In combination with reusable cord for bipolar diathermy 02BI46	02BI60	1
	Bipolar diathermy forceps, angled	In combination with reusable cord for bipolar diathermy 02BI46	02BI61	1
	Bipolar diathermy pin, 18G, straight	In combination with reusable cord for bipolar diathermy 02BI46	02BI70	1
	Bipolar diathermy pin, 20G, straight	In combination with reusable cord for bipolar diathermy 02BI46	02BI73	1
	Bipolar diathermy pin, 23G, straight	In combination with reusable cord for bipolar diathermy 02BI46	14-7007	1
<b>Air/Fluid Exchange (AFX), single use, sterile</b>	Air fluid exchange set, steril	Tubing system comprising additional 0.2µm filter and 2-way valve for the exchange of air and fluid	03QF10	20
<b>Viscous Fluid injection</b>	Oil injection unit, single use, unsterile	Equipment for fitting a viscous fluid syringe for oil injection; reusable	02ÖL10	1
	connection tube for silicone oil injection, unsterile	Connection between oil injection unit (02ÖL10) and device Qube® pro	02ÖL32	60
<b>Viscous Fluid aspiration</b>	Adapter for silicone oil aspiration, non sterile	Adapter for fitting a syringe for the oil aspiration and connection at aspiration port; reusable, unsterile	02ÖL40	1
	Syringe for oil aspiration, 20ml	Syringe for aspiration of silicone oil in combination with the adapter 02ÖL40	03ÖL43	60
<b>Trocar Set, single use, sterile</b>	Qube® One Step Trocar Set, 23G	One-Step trocar Set, 23G comprising: 3 trocars with scleral fixation plate and infusion cannula (VFI)	03VI17	5
	Qube® One Step Trocar Set, 25G	One-Step trocar Set, 25G comprising: 3 trocars with scleral fixation plate and infusion cannula (VFI)	03VI18	5