MULTIPULSE HOPLUS

3rd GENERATION

THE FUSION OF LASER AND MORCELLATION TECHNOLOGY
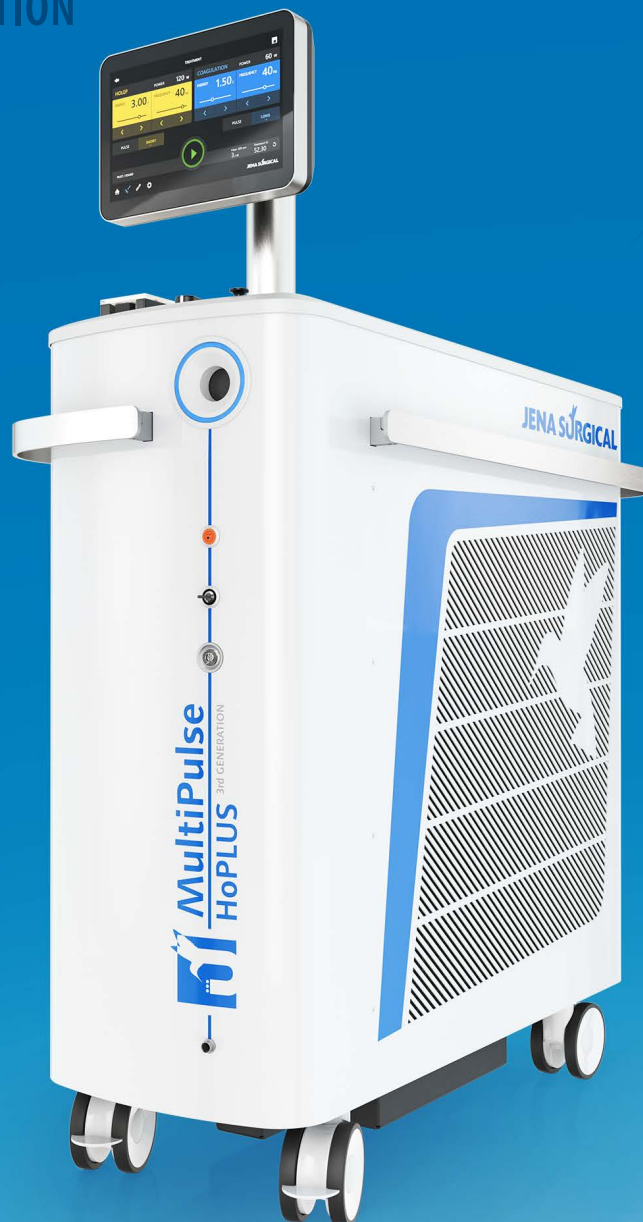
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LASER AT YOUR SIDE

THE
ALL-IN-ONE
SOLUTION

MULTIPULSE HOPLUS 3rd GENERATION

The **MultiPulse HoPLUS 3rd Generation** is a high-power holmium laser designed for both the surgical treatment of benign prostatic hyperplasia (BPH) and endoscopic lithotripsy. Its versatility allows for a swift transition from enucleation to morcellation, facilitated by various configuration options including the optional integrated morcellator as well as a laser source reaching 150 W.

Thanks to high-energy pulses, tissue dissection becomes effortless while long pulses lead to a remarkable coagulation and high-frequency pulsed laser ensure outstanding surgical outcomes. These features collectively position the **MultiPulse HoPLUS** as an invaluable asset in the operating room.

ADVANTAGES FOR
THE SURGEON

- High power HOLMIUM laser
- High peak power & pulse repetition rate
- Fast vaporization and cutting with excellent hemostasis
- Effortless transitions from enucleation to morcellation to immediately remove the enucleated tissue, facilitated by the optional integrated morcellator accessory
- Streamlined operation with the elimination of excess footswitches
- Dual pedals enable mode selection without the need to change the laser settings or divert attention from the surgical field, e.g. cutting and coagulation

MULTIPULSE HOPLUS 3rd GENERATION

INTEGRATED MORCELLATOR
(optional) for seamless transition

12" DISPLAY
for better visibility

WASTE CONTAINER
with bigger volume

FIBER TEMPERATURE SENSOR

WIRELESS FOOTSWITCH
(optional) eliminating excess footswitches

LOW-NOISE HOLMIUM LASER
for a quiet work environment

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MultiPulse HoPLUS 3rd GENERATION

03

VISIBILITY &
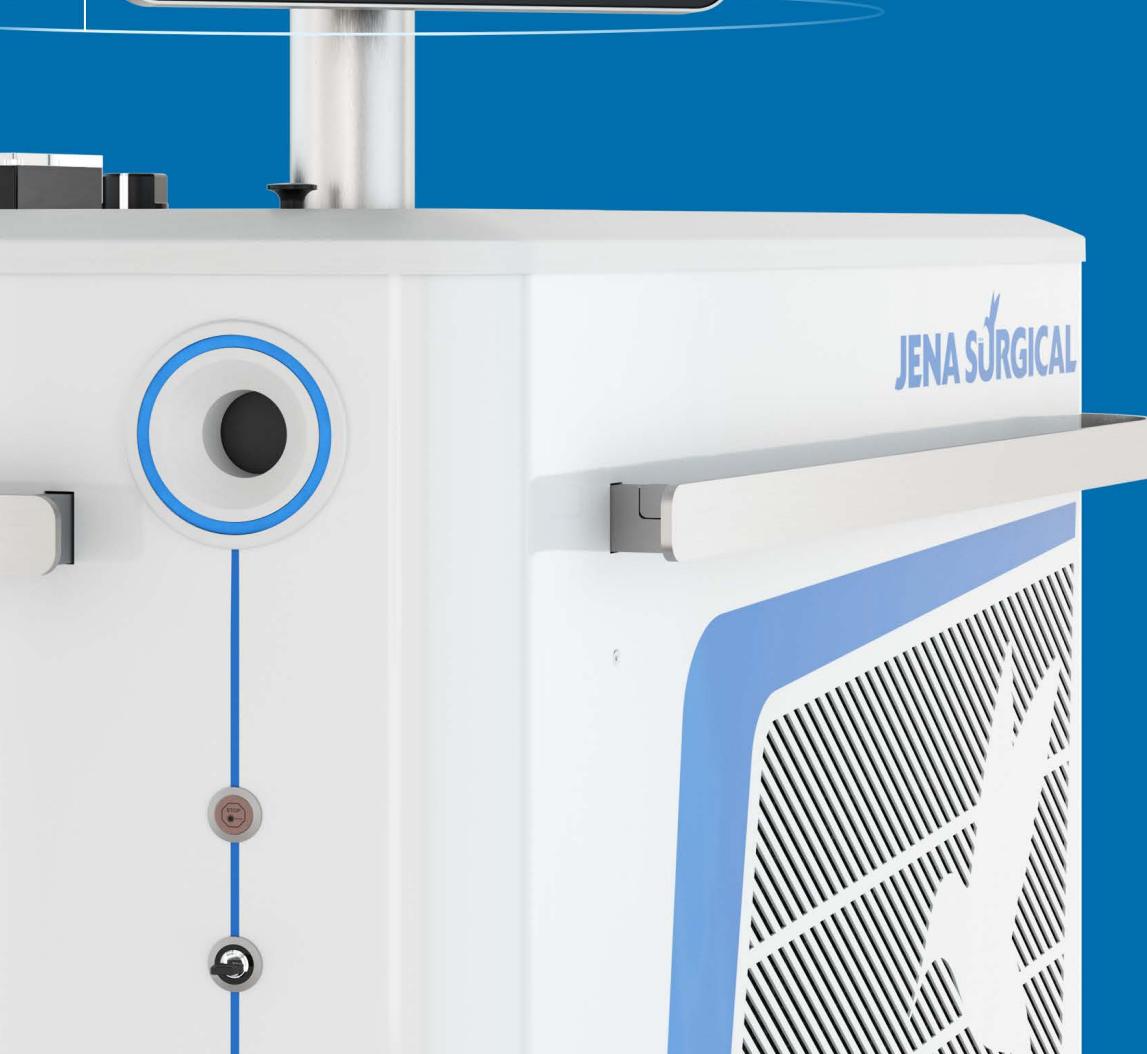# INTUITIVENESS

WORKSCREEN

Increased screen size | 12.0 " LCD Display 16:10

New display mounting | allocated arrangements
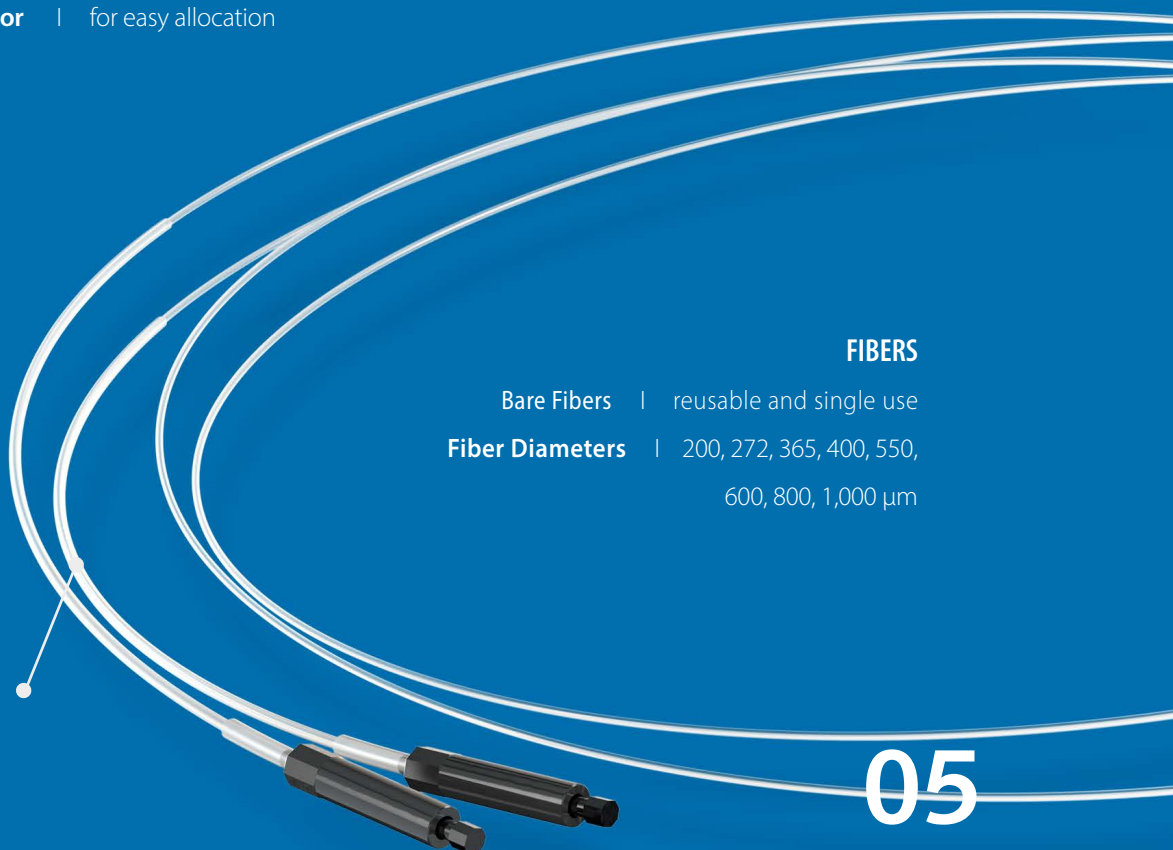
Ergonomy | 180° screen rotation

DESIGN UPDATE
Dark mode

WORKSCREEN & GUI

Enhanced GUI | for better user-friendliness
Foot Switch Indicator | for easy allocation

FIBERS

Bare Fibers | reusable and single use
Fiber Diameters | 200, 272, 365, 400, 550, 600, 800, 1,000 µm

EXPANDED

application parameter
field for small fibers

05

THE ADVANCED
MULTICUT

MULTICUT

The MultiPulse HoPLUS laser system contains an **integrated morcellation module**, which allows the morcellation of enucleated adenoma within the bladder to be performed very quickly. Thanks to the peristaltic pump, the aspiration is highly efficient and additionally ensures a maximum of safety and protection against unintended bladder wall injuries.

ADVANTAGES

- Ergonomic design, independent right or left handed use
- No vacuum vessel, no interruption
- New and facilitated coupling – *Plug and Cut*
- Unique combination of laser and morcellation system in one device (optional)

- Optimized cutting teeth geometry guarantees always the possibility & enough tissue for a histopatho-logical examination
- Two different blade sizes

CUTTING TEETH GEOMETRY
with rotating blades
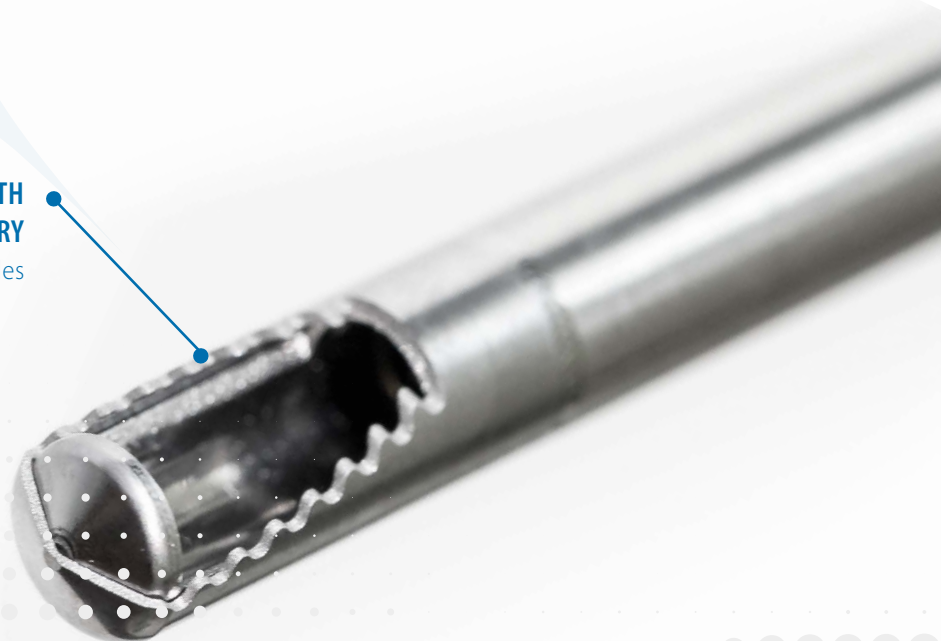
INTEGRATED MORCELLATION MODULE

Accessories | Tube set, morcellation handpiece with blades

Dimensions | 15 Fr x 350 or 400 mm (diameter x free length)

Aspiration pump flow rate | Adjustable

Oscillation frequency | 0 or 2 – 5 Hz

Rotation speed | 500 – 3,000 rpm

LIGHT & EASY
ergonomic design

FACILITATED
Coupling system

TISSUE WASTE CONTAINER

Two tissue waste container sizes available: 200 ml and 300 ml, single use

07

DESIGN &
USABILTY

MULTIPULSE HOPLUS 3rd Generation

The **MultiPulse HoPLUS** comes along with a new design, new arrangement of interfaces and various enhancements.

FIBER CONNECTION
reusable and single
use fibers

MORCELLATION
MultiCut handpiece connection

FRONT CONNECTION
of dual pedal footswitch

APPLICATIONS AND CLINICAL CASES

The **MultiPulse HoPLUS 3rd Generation** stands out as one of the most versatile laser systems in urology. With the adept guidance of a surgeon, the utilization of high-energy pulses simplifies tissue dissection, ensuring consistently optimal surgical outcomes. Boasting high-frequency pulses, the laser is ideal for addressing conditions such as benign prostatic hyperplasia and conducting endoscopic lithotripsy, solidifying its position as an essential instrument in endourological centers.
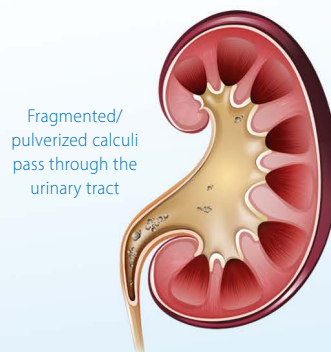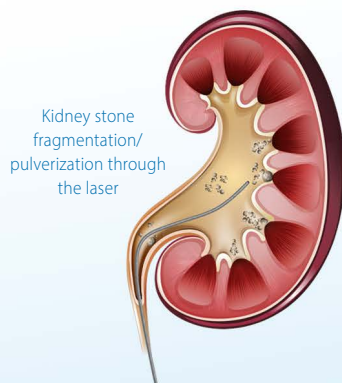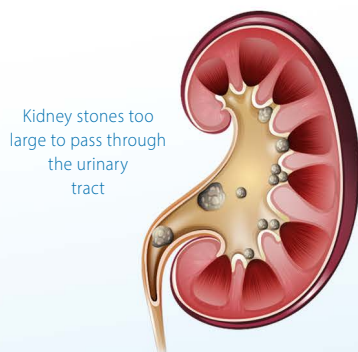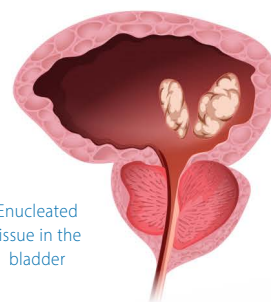
+ UROLOGY

HoLEP, Urethrotomy, Bladder Neck Incision, Lithotripsy

+ GENERAL SURGERY

Lithotripsy, Coagulation

Benignly enlarged prostate

Prostate enucleation along the natural prostatic capsule using a fiber

Enucleated tissue in the bladder

Kidney stones too large to pass through the urinary tract

Kidney stone fragmentation/ pulverization through the laser

Fragmented/ pulverized calculi pass through the urinary tract
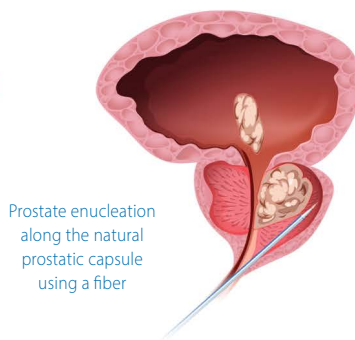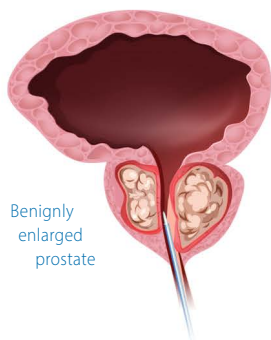
VERSATILITY

MULTIPULSE HOPLUS
3rd GENERATION

150 W / 100 Hz
integrated Morcellator
(optional)

POWERKIT⁵⁰

additonal 50 W of power for the
high power Holmium laser
with 100 W and 100 Hz
easy and fast to upgrade

POWERKIT²⁰

additional 20 W of power for the
high power Holmium laser
with 80 W and 75 Hz
easy and fast to upgrade

100 W / 100 Hz
upgradable to
150 W/100 Hz
integrated Morcellator
(optional)

100 W / 75 Hz
no upgrade
integrated Morcellator
(optional)

80 W / 75 Hz
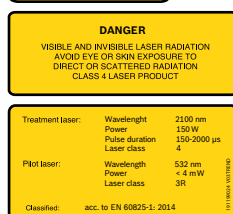upgradable to
100 W/75 Hz
integrated Morcellator
(optional)

TECHNICAL SPECIFICATIONS

MultiPulse HoPLUS 3rd Generation	
Laser Source	Ho:YAG
Wavelength	2,100 nm
Emission Mode	Pulsed Wave (pw)
Power	up to 150 W (depending on the configuration)
Pulse Energy	0.2 - 6 J
Repetition Rate	Up to 100 Hz (depending on the configuration)
Pulse Duration	150 - 1,700 µs
Cooling	Internal water cooling
Control Panel	12.0" LCD display 16:10
Integrated Morcellation Module (Optional)	Integrated auxiliary morcellator Ergonomic handpiece Exchangeable blades
Device Accessories	Bare fibers (reusable and single use) availabe in following diameters: 200, 272, 365, 400, 550, 600, 800, 1000 µm
Dimensions and Weight	46 cm x 105 cm x 116 cm (W x D x H) - 285 kg
Electrical requirements	230 VAC 50/60 Hz 32 A

DANGER
VISIBLE AND INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 4 LASER PRODUCT

Treatment laser:	Wavelenght	2100 nm
	Power	150 W
	Pulse duration	150-2000 µs
	Laser class	4
Pilot laser:	Wavelength	532 nm
	Power	< 4 mW
	Laser class	3R
Classified:	acc. to EN 60825-1: 2014	

CE 0123

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LASER AT YOUR SIDE

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LASER AT YOUR SIDE

MADE IN GERMANY
ALWAYS THE LATEST PRODUCT INFORMATION

FOLLOW US

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