

# Dornier Medilas<sup>®</sup> H140



**All-in-one high power solution  
for urological laser applications**

# More power to you.

**140W**  
POWER

**100Hz**  
FREQUENCY

## Applications supported



Urinary Lithotripsy



HoLEP



Urethrotomy



Bladder Neck Incision



Gallstones & Bile Duct Stones



# H140 at a glance



## One of the highest powered Holmium:YAG lasers on the market

A high power laser can give you faster procedures and more options for customized treatment.



## High-powered laser and morcellator in one device

It's expensive to buy two separate machines (a high-power laser and a morcellator) to perform HoLEP procedures. The H140 gives you both capabilities for a lower overall cost.

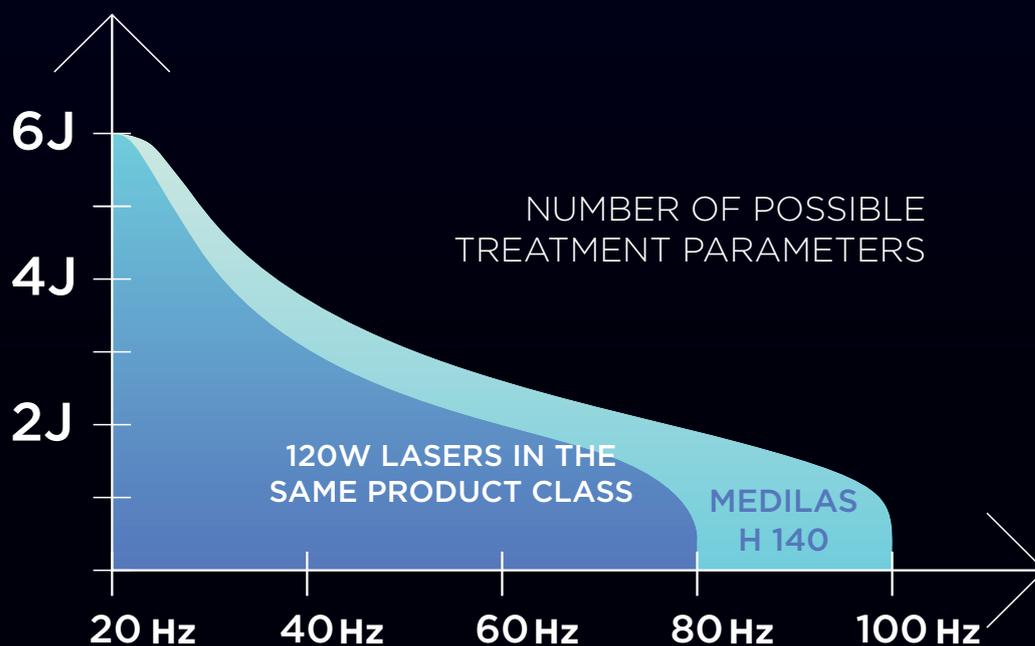


## A safer and faster oscillating morcellator

Oscillating morcellator blades have been shown to be faster and safer than reciprocating blades.

## More power, more options

Having more power and frequency gives the expert user more options for customized treatment.



# Power to the urologist.

Here's why you need a high-powered laser.

## SAFER HoLEP

The H140's high-power laser allows you to enucleate cleanly without relying too much on the "helping hand" of the resectoscope to separate the adenoma from the surgical capsule.

This is safer for the patient, as physical separation using the resectoscope tip typically causes more tissue damage, bleeding and incontinence.

## FASTER HoLEP

Power matters! Especially in medium and larger-sized prostates; more power leads to shorter operating times.

Shorter anesthesia times reduce operative stress to the patient.

## FASTER STONE DUSTING

The H140 has the highest frequency in the market, allowing for shorter procedure times.

## All-in-one solution



The H140 arms you with two powerful urological capabilities in one compact device. The unique combination of laser and auxiliary morcellation module facilitates efficient BPH treatment with a single device. This is truly an all-in-one solution for complete BPH treatment.

OPTIONAL

# Integrated morcellator

## FASTER & SAFER MORCELLATION

Our morcellator boasts an excellent morcellation rate of 13g/min\*.

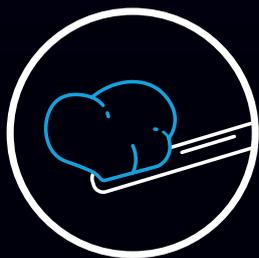
The oscillating morcellation technique improves safety compared to the reciprocating technique.

## REDUCED “ROLLING BALL” EFFECT

The rolling ball phenomenon, also known as “crazy ball” or “beach ball”, occurs when hard adenoma tissue with a smooth surface is difficult to grasp by the morcellator blades, prolonging surgery time. Oscillating blades reduce the chances of this happening.

## NO MORE CONTAINER SWAPS

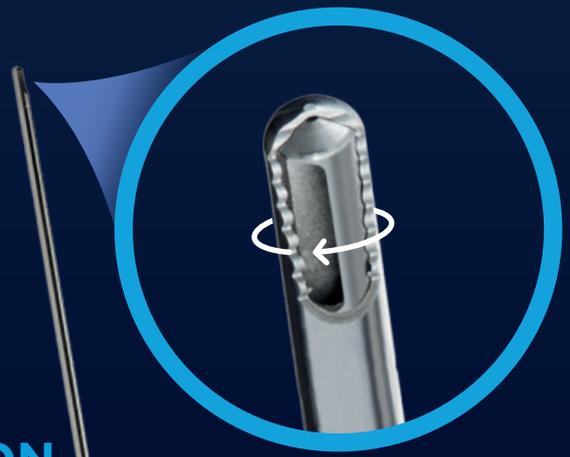
There is no need to swap containers to empty out collected irrigation fluid. Irrigation fluid is elegantly piped straight into your drainage sink, with the tissue filtered out.



**13 G/MIN**  
MORCELLATION RATE



**REDUCED**  
**“ROLLING BALL”**  
EFFECT



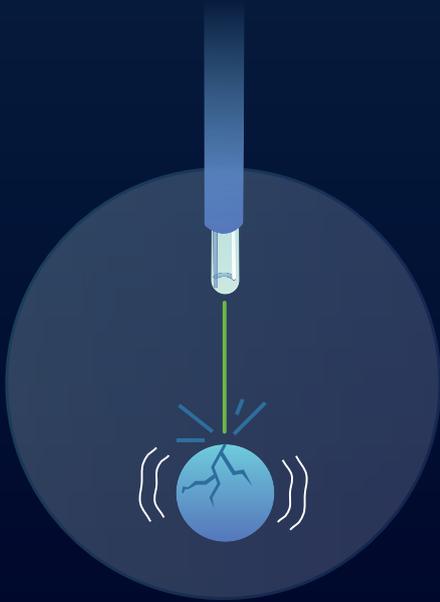
**OSCILLATING**  
**KNIFE**



\*In vitro.

# Reducing retropulsion

The H140's long pulse setting (up to 1600  $\mu$ sec) helps reduce retropulsion during lithotripsy, allowing for more effective and efficient treatment.



## Other benefits



### **FLEXIBILITY ON POWER REQUIREMENTS**

Nearly universal power compatibility with 1-phase power supply.



### **NO NEED FOR CONTAINER SWAPS**

No need for container swaps as irrigation fluid is piped straight into your drainage.



### **ROBUST FIBER PORTFOLIO**

A wide variety of high-quality laser fibers so you are prepared for any patient case.



### **SMART FOOT SWITCH**

Three pedal footswitch allows easy switching between treatment modalities. For example, HoLEP and coagulation mode can be assigned to separate pedals.



### **ERGONOMIC TOUCHSCREEN**

A bright touchscreen that is moveable and angle-adjustable.

# Highlights:



LASER POWER

**1.25 - 140W**

FREQUENCY

**5 - 100Hz**

LASER ENERGY

**0.25 - 6J**

WAVELENGTH

**2100nm**

PULSE DURATION

**150 - 1600μsec**

MORCELLATOR SPEED

**500 - 3000rpm**

## DORNIER MEDILAS® H140

DORNIER MEDTECH IS KNOWN FOR ITS PIONEERING TECHNOLOGIES AND REVOLUTIONARY THERAPIES IN UROLOGY.

LEADING TECHNOLOGY, IMPROVING LIFE.



**DANGER**  
VISIBLE AND INVISIBLE LASER RADIATION  
AVOID EYE OR SKIN EXPOSURE TO  
DIRECT OR SCATTERED RADIATION  
CLASS 4 LASER PRODUCT (IEC60825-1:2014-05)

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