

DORNIER MEDILAS® H SOLVO® 35

**THE PULSE OF PERFORMANCE**  
TARGETED LASER STONE MANAGEMENT



### INNOVATIONS THAT IMPROVE LIFE

- Dornier MedTech is known for its revolutionizing technical advancements in urology; Europe's market-leading laser Solvo® has now advanced further, with unique features that set it apart from other holmium lasers
- Featuring the patented Advanced Mode™ for reduced retropulsion during laser lithotripsy
- Thoughtfully modelled using extensive customer research - the Solvo® 35 has been designed with the urologist's 'ideal' stone laser in mind
- Six preset treatment modes with clinically proven parameters make selection quick and simple - with just a touch of a button



### WHY DORNIER MEDILAS H® SOLVO® 35?

- With its unique pulse shape, the patented Advanced Model™ reduces stone movement during lithotripsy and eases targeting of the stone with the laser fiber. This helps to reduce patient treatment time.
- Dusting, fragmenting and three other treatment modes offer clinically proven parameters, including pulse length, for efficient treatment.
- A clearly arranged graphical display plus an optional second display ensure optimal viewing from every angle in the operating room.
- A wireless footswitch for greater flexibility with no cable length to accommodate, and no cables underfoot for improved workplace safety.

### WITH ADDITIONAL FEATURES BUILT WITH YOUR PRACTICE IN MIND:

- Convenient and transportable: small, lightweight, and easy to move and set up
- Large storage compartment: holding the footswitch or necessary accessories, close to hand
- Quiet and reliable: ideal for busy ORs

EXPERIENCE THE PULSE OF PERFORMANCE  
THE DORNIER MEDILAS H® SOLVO® 35

### SIX APPLICATION MODES TO MEET YOUR TREATMENT NEEDS

- Developed with urologists to manage a variety of stones in lithotripsy and to support soft tissue application
- Preset application modes make selecting the right treatment parameter easy with just one touch of a button in the newly arranged graphical display

### FEATURING

- Patented Advanced Mode™ for reduced retropulsion, a uniquely engineered pulse shape with gradual increase of the power density to decrease stone movement
- Long pulse emission mode for soft tissue treatment
- Short pulse emission mode for fragmentation of hard and larger stones
- Single pulse mode for single energy transmission in challenging treatment situations
- Soft tissue mode for tissue applications with parameters optimized for cutting and coagulation
- Standard mode for all treatment situations, in which all parameter settings and combinations are accessible for individual selection

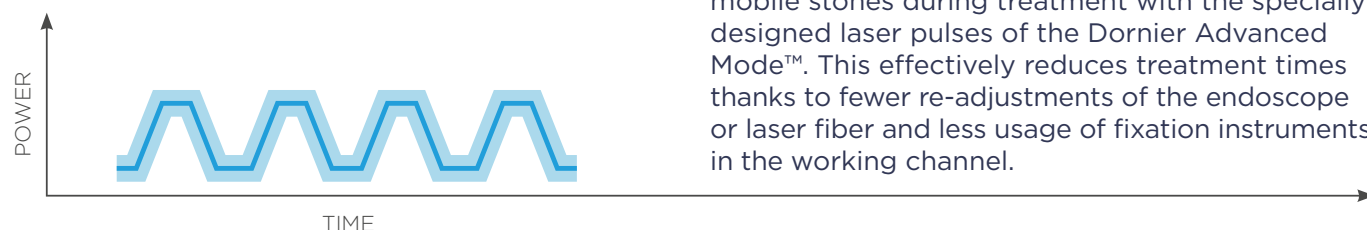
DISCOVER THE FULL RANGE OF DORNIER APPLICATION MODES  
FOR EFFECTIVE AND STRATEGIC STONE DESTRUCTION



DORNIER MEDTECH DELIVERS  
**UNIQUE ADVANCED MODE**

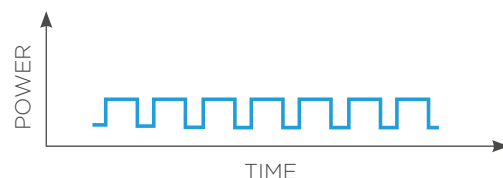
DORNIER MEDTECH DELIVERS  
**UNIQUE STONE MOVEMENT REDUCTION**

**DORNIER ADVANCED MODE™**



A slow build-up of the power density provides **less momentum** and **minimizes the movement** of mobile stones during treatment with the specially designed laser pulses of the Dornier Advanced Mode™. This effectively reduces treatment times thanks to fewer re-adjustments of the endoscope or laser fiber and less usage of fixation instruments in the working channel.

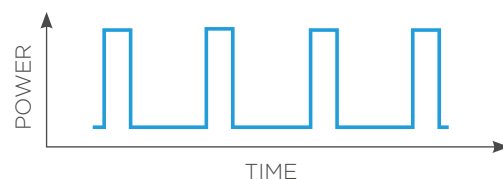
**DORNIER DUSTING MODE**



- **Dusting Mode:** Completely destroys any stones by creating dust tiny enough to pass naturally, eliminating the need for recovery of fragments, yet is gentle to surrounding tissue.

- **Single Pulse Mode:** Precise and controlled energy transmission ensures the laser pulse is only delivered to the desired area of the stone making it particularly suitable for small stones located in high risk areas.

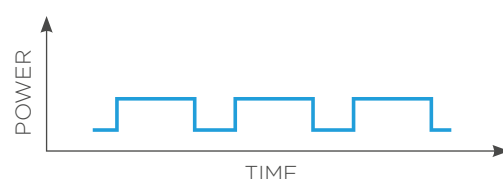
**DORNIER FRAGMENTING MODE**



- **Fragmenting Mode:** Fast and efficient for breaking larger or hard stones in the kidney or ureter that leaves no dust residue and allows for complete removal of stone fragments using recovery instruments.

- **Standard Mode:** Suitable for urinary stones as well as selected soft tissue treatments; easy access to energy and frequency settings and combinations.

**DORNIER SOFT TISSUE MODE**



- **Soft Tissue Mode:** Specifically developed for soft tissue applications, the pulse duration, energy and frequency are optimized for cutting and coagulation.

OPTIMAL **WORKPLACE EFFICIENCY**

- Set energy, frequency and pulse duration parameters at the touch of a button
- Preset treatment modes offer clinically proven energy and pulse length parameters
- Enhanced user interface displays the selected pulse shape and length

**A NEW SOLUTION FOR ANTI-RETROPULSION IN LITHOTRIPSY**

The uniquely engineered Advanced Mode™ reduces stone movement during lithotripsy, eases targeting of the stone with the laser fiber and helps to reduce patient treatment time.

**LASER ENERGY IS INCREASED AND DECREASED PRECISELY WITHIN THE LASER PULSE**



**EFFECTIVE REDUCTION OF STONE AND FRAGMENT MOVEMENT THROUGHOUT THE PROCEDURE**

- Unique pulse shape gradually increases power density.
- Reduces lateral expansion of the steam bubble, transferring minimal momentum onto the stone when the steam bubble collapses.

- Stone movement is reduced. Reduced movement may result in less migration of concretions into difficult to reach areas.

*“Although the Solvo is already very efficient with Standard Mode, the unique patented pulse shape of the Advanced Mode helps ensure that mobile stones are decisively more stable during laser lithotripsy.”*

**Professor Dr. med. Thomas Knoll,**  
Chief of the Department of Urology at Klinik-Verbund Südwest, Germany, and renowned member of international urolithiasis committees of experts.



DISCOVER THE FULL RANGE OF DORNIER APPLICATION MODES FOR EFFECTIVE AND EFFICIENT STONE DESTRUCTION

REDUCE UNWANTED STONE AND FRAGMENT MOVEMENT WITH DORNIER MEDILAS H® SOLVO® 35

DORNIER MEDTECH DELIVERS

## THE FLEXFIBER™ COLLECTION MADE FOR PRECISION

### OUR LASER FIBERS – SMALL WITH A BIG DIFFERENCE

- Developed and manufactured by **Dornier MedTech** to complement your laser system
- Available in a range of sizes and designs to meet your needs and preferences

#### **Dornier SingleFlex™**

Single use fibers for convenient handling and consistent performance

- Disposable and built for efficient and reliable performance in fast-paced medical environments
- Available in four various core diameters from 270 to 1,000  $\mu\text{m}$

#### **Dornier SmartFlex™**

The reliable economic choice, durable and reusable

- Reusable holmium laser fiber, validated for 10 usage cycles
- Available in four various core diameters from 270 to 1,000  $\mu\text{m}$

#### **Dornier HeatFlex™**

Confidence in reusable fibers

- Special heat resistance technology withstands the extreme temperatures and conditions of anti-prion sterilization
- Validated for up to 5 uses

#### **Dornier GentleFlex™**

The confidence to glide for time-saving navigation

- Ball-shaped tip allows the fiber to reach hard to reach areas
- Non-traumatic fiber tip helps reduce downtime related to endoscope repair

FLEXFIBERS OPTIMIZE DORNIER MEDILAS H® SOLVO® 35  
RESULTS TO HELP YOU FOCUS ON PATIENT CARE

DORNIER MEDTECH DELIVERS

## FIBERS THAT OPTIMIZE PATIENT CARE

### WHEN IT COMES TO FIBERS, ONE SIZE DOES NOT FIT ALL

#### FLEXFIBER™ SOLUTIONS SUPPORT SAFE USE

- Guaranteed compatibility for safe and effective use with Dornier lasers
- Optical connection for exact match of optical specifications (spot size, focal point location and focus angle)

#### FLEXFIBER™ SUPPORTS EFFICIENT PROCEDURES

- Two small core fiber sizes (270 slim and 270  $\mu\text{m}$ ) offer bending characteristics that compliment any flexible scope without sacrificing conductivity

#### FLEXFIBER™ DELIVERS RELIABLE PERFORMANCE

- Efficient transfer of laser beam within the fiber core for maximum power transmission



IS IT TIME TO EXPERIENCE THE PULSE OF PERFORMANCE?

DORNIER MEDILAS H® SOLVO® 35 WAS DEVELOPED BY DORNIER MEDTECH

**PIONEERING TECHNOLOGIES AND REVOLUTIONARY THERAPIES  
FOR THE ULTIMATE TREATMENT EXPERIENCE IN UROLOGY.**

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**Leading Technology. Improving Life.**

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