

Products Catalogue



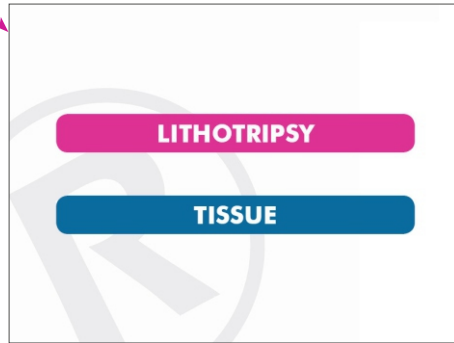
Laser



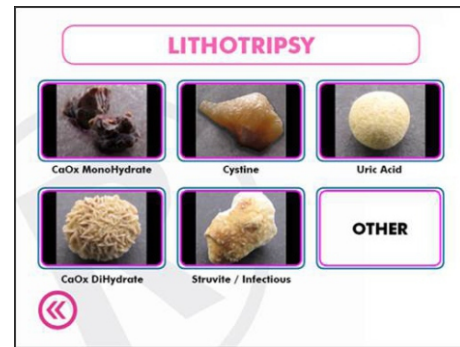
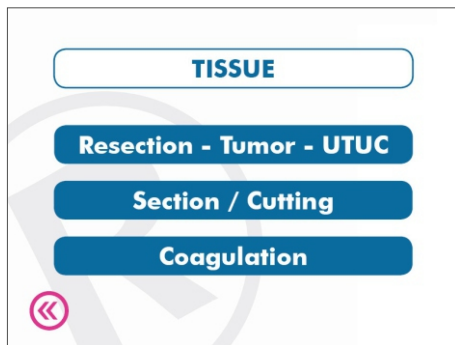
LASER

30W Holmium Laser Application Mode

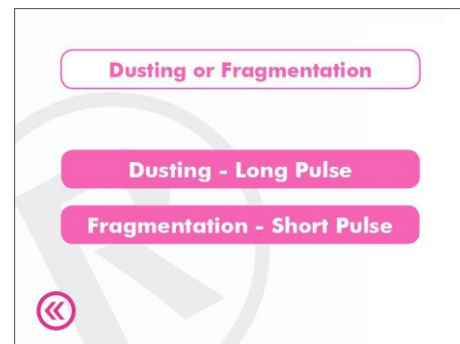
User Friendly Interface



Lithotripsy or Tissus Application mode

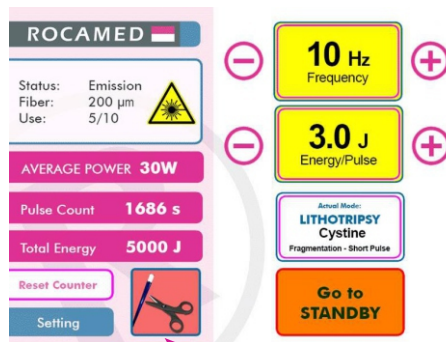


Vaporization with Long Pulse
Fragmentation with Short Pulse



*Pre Setting registered by type of Stone selected

* August 2014 - World Journal of Urology
Peter Kronenberg & Olivier Traxer
Update on lasers in urology 2014:
current assessment on holmium:yttrium-
aluminum-garnet (Ho:YAG) laser lithotripter
settings and laser fibers



Cutting Fiber Alarm warns Surgeons for 10s
Allows a better Fiber Performances

30W Holmium Laser YAG with Long & Short pulse



Holmium Laser 30W is powerful and offers a wide range of different frequencies and energy.

The setup of frequency and energy is integrated in an intuitive and pre-programmed menu: for a fine and accurate treatment strategy and for stone or soft tissue with a very easy handling.

Ref.	Product Description
MH01	Rocamed Laser - Holmium Medical System



30W Holmium Laser Characteristics

WaveLenght	Ho:YAG 2100 nm
Pulse energy :	0,2 - 4J
Pulse frequency :	3 - 25 Hz
Pulse duration :	150-850 μ s
Pulse width :	100-1500 micro sec (lamp)
Pulse lengh regulation:	Automatically
Identification of Fiber :	Fiber RFID with TAG devise
Average power :	up to 30W - Wavelength: 2100nm+/- 20nm
Electrical :	100-120 VAC : 50/60 HZ 16 A 200-240 VAC : 50/60 HZ 10 A
Dimension :	938 x 332 x 967 H x W x D 5(mm)
Weight :	60 kg

30W Holmium Laser Accessories



ACCESSORIES	
MH30STP	Fiberstripper 0.3 -1.0 mm
MH30SCF	Ceramic scissor for fibers
MH30SGO	Safety goggles DI1400-33,,L3;905-1400DIRL5
MH30UMR	User Manual Rocamed MH01
MH30OBS	Optical Blast Shield for Holmium-external access
MH30BHC	Bottle For Hydraulic circuit filling - 0,8 litre with CPC
MH30FSC	1-pedal foot control with B7 button
MH30PKG	Carton Package for LITHO-Asset
MH01FC	Flight Case de transport pour Laser MH01



30W Holmium Laser Fibers



Single Use Sterile Surgical Optical Fibers

Ref.	µm	Fiber Type	Identification
MF200ST	200	Mono Use	RFID
MF272ST	272	Mono Use	RFID
MF365ST	365	Mono Use	RFID
MF550ST	550	Mono Use	RFID
MF800ST	800	Mono Use	RFID

Individually Packaged. Sterile. Single Use Device. Box of 5.

ReUsable Sterile Surgical Optical Fibers

Ref.	µm	Fiber Type	Identification
MF200RST	200	Re Usable 10x	RFID
MF272RST	272	Re Usable 10x	RFID
MF365RST	365	Re Usable 10x	RFID
MF550RST	550	Re Usable 10x	RFID
MF800RST	800	Re Usable 10x	RFID

Individually Packaged. Sterile. Single Use Device. Box of 5.

Laser Fibers Parameters

The following tables give indication of maximum laser output for each possible combinations (Power=Energy*Frequency).

The size of the fiber has to be taken in consideration to detect power limits

Fibre : 200µm						LITHOTRIPSY - Hard Stone									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz				1.5 W	1.8 W	2.1 W	2.4 W	3 W	3.6 W	4.5 W	5.4 W	6 W			
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W			
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W					
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W						
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W							
15 Hz															
20 Hz															

Fibre : 200µm						LITHOTRIPSY - Dusting Effect									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz															
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W			
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W					
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W						
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W							
15 Hz															
20 Hz															

Fibre : 200µm						ABLATION									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz															
5 Hz															
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W					
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W						
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W							
15 Hz															
20 Hz															

Fibre : 200µm						COAGULATION									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz															
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W			
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W					
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W						
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W							
15 Hz															
20 Hz															



Laser Fibers Parameters

Fibre : 272µm						LITHOTRIPSY - Hard Stone									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz				1.5 W	1.8 W	2.1 W	2.4 W	3 W	3.6 W	4.5 W	5.4 W	6 W	7.5 W	9 W	10.5 W
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W	12.5 W	15 W	
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W	14.4 W				
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	15 W					
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W	14.4 W						
15 Hz				7.5 W	9 W	10.5 W	12 W	15 W							
20 Hz				10 W											

Fibre : 272µm						LITHOTRIPSY - Dusting Effect									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz															
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W	12.5 W	15 W	
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W	14.4 W				
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	15 W					
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W	14.4 W						
15 Hz				7.5 W	9 W	10.5 W	12 W	15 W							
20 Hz				10 W											

Fibre : 272µm						ABLATION									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz															
5 Hz															
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W					
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	14.4 W					
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W							
15 Hz															
20 Hz															

Fibre : 272µm						COAGULATION									
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J
3 Hz															
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W	12.5 W	15 W	
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W	14.4 W				
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	15 W					
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W	14.4 W						
15 Hz				7.5 W	9 W	10.5 W	12 W	15 W							
20 Hz				10 W											

Laser Fibers Parameters

The following tables give indication of maximum laser output for each possible combinations (Power=Energy*Frequency).

The size of the fiber has to be taken in consideration to detect power limits

Fibres : 365 - 550 - 800 µm						LITHOTRIPSY - Hard Stone										
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J	4J
3 Hz				1.5 W	1.8 W	2.1 W	2.4 W	3 W	3.6 W	4.5 W	5.4 W	6 W	7.5 W	9 W	10.5 W	
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W	12.5 W	15 W	17.5 W	20 W
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W	14.4 W	16 W	20 W	24 W		
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	15 W	18 W	20 W	25 W	30 W		
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W	14.4 W	18 W	21.6 W	24 W	30 W			
15 Hz				7.5 W	9 W	10.5 W	12 W	15 W	18 W	22.5 W						
20 Hz				10 W												
25 Hz	5 W	7.5 W	10 W													

Fibres : 365 - 550 - 800 µm						LITHOTRIPSY - Dusting Effect										
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J	
3 Hz																
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W	12.5 W	15 W		
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W	14.4 W	16 W	20 W			
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	15 W	18 W	20 W	25 W			
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W	14.4 W	18 W	21.6 W	24 W				
15 Hz				7.5 W	9 W	10.5 W	12 W	15 W	18 W	22.5 W						
20 Hz				10 W												

Fibres : 365 - 550 - 800 µm						ABLATION										
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J	
3 Hz																
5 Hz																
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W	14.4 W	16 W	20 W	24 W		
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	15 W	18 W	20 W	25 W	30 W		
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W	14.4 W	18 W	21.6 W	24 W	30 W			
15 Hz				7.5 W	9 W	10.5 W	12 W	15 W	18 W	22.5 W						
20 Hz				10 W												

Fibres : 365 - 550 - 800 µm						COAGULATION										
	0.2 J	0.3 J	0.4 J	0.5 J	0.6 J	0.7 J	0.8 J	1 J	1.2 J	1.5 J	1.8 J	2J	2.5 J	3 J	3.5 J	
3 Hz																
5 Hz				2.5 W	3 W	3.5 W	4 W	5 W	6 W	7.5 W	9 W	10 W	12.5 W	15 W		
8 Hz				4 W	4.8 W	5.6 W	6.4 W	8 W	9.6 W	12 W	14.4 W	16 W	20 W			
10 Hz				5 W	6 W	7 W	8 W	10 W	12 W	15 W	18 W	20 W	25 W			
12 Hz				6 W	7.2 W	8.4 W	9.6 W	12 W	14.4 W	18 W	21.6 W	24 W				
15 Hz				7.5 W	9 W	10.5 W	12 W	15 W	18 W	22.5 W						
20 Hz				10 W												

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Products Specifications are subject to change without notice.

Please consult product label and insert for any indications, contraindications, hazards, warnings, cautions and directions for use.
For the latest information, always check the "Instructions for Use" that comes packaged with the product.