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### **Laser Type**

Pulsed Holmium:YAG (THC:YAG) operating at 2.1µm wavelength

### **Power to Tissue**

Up to 15 Watts

### **Energy per Pulse**

1.5 Joules maximum

### **Pulse Duration**

350 microseconds

### **Pulse Rate**

Variable, 5–12 Hz

### **Aiming Beam**

3 mW Laser Diode @ 635nm

### **Beam Delivery**

- Low water (OH) quartz fiber optics
- 150µm to 910µm fibers available
- SMA Connector

### **Electrical**

- 100/120 VAC, 50/60 Hz, 15 amps, Single Phase
- 200/240 VAC, 50/60 Hz, 10 amps, Single Phase

### **Cooling**

Air cooled

### **Weight**

130 lbs. (51 kg)

### **Dimensions**

36"H x 14" W x 21"D (91cm x 36cm x 53cm )

### **Warranty**

1 year parts and labor

### Energy Per Pulse at Selected Power Levels (in joules)

		Power				
		1W	2W	3W	4W	5W
Rep. Rate	5Hz	0.20	0.40	0.60	0.80	1.00
	8Hz		0.25	0.38	0.50	0.63
	10Hz		0.20	0.30	0.40	0.50
	12Hz			0.25	0.33	0.42



		Power									
		6W	7W	8W	9W	10W	11W	12W	13W	14W	15W
Rep. Rate	5Hz	1.20									
	8Hz	0.75	0.88	1.00	1.13	1.25	1.37	1.50			
	10Hz	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50
	12Hz	0.50	0.58	0.67	0.75	0.83					

### Laser Lithotripsy Procedure Tips

- Visualization of the fiber tip is critical
- Fiber must be in contact with the tissue or stone
- Do NOT aim fiber at metal (stone basket or wire guide!)
- Good irrigation is critical
- To coagulate small bleeders, defocus beam away from tissue 1 to 2 mm
- Always insert fiber into flexible scope PRIOR to any “flexing” of the scope

### Common Problems and Troubleshooting

The StoneLight Holmium Laser has been carefully designed and subjected to rigorous tests, and as a result it is unlikely that the system will malfunction. In the unlikely event that the system fails to operate properly, this troubleshooting guide will help locate and correct the problem.

Before proceeding, please check for the following items:

1. Verify that the system electrical outlet is plugged into the power source and the footswitch and remote interlock are both plugged into the appropriate receptacles.
2. Verify that the system circuit breakers are not tripped or shut off. If a circuit breaker is off, it will be extended out or the Main Line Power rocker switch will be in the down position.

The circuit breaker(s) should then be reset.

3. If a SYSTEM FAULT has been observed, the system should be reset. Reset the system in the following manner. Turn the key switch counterclockwise to the OFF position, wait a few seconds and then turn the key switch clockwise to the START position.
4. Hold the key in this position for one second and then release. The keyswitch will automatically spring back to the ON position. If the system fault repeats, call AMS for technical support at (800) 328-3881.
5. Check to make sure that the fiber cable is securely and completely connected to the laser console.

If the problem persists, please refer to the [StoneLight operator's manual](#), or contact AMS for technical support at: (800) 328-3881.

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