HEALTH TECHNOLOGY DISPOSAL PROGRAM
QUEENSLAND HEALTH

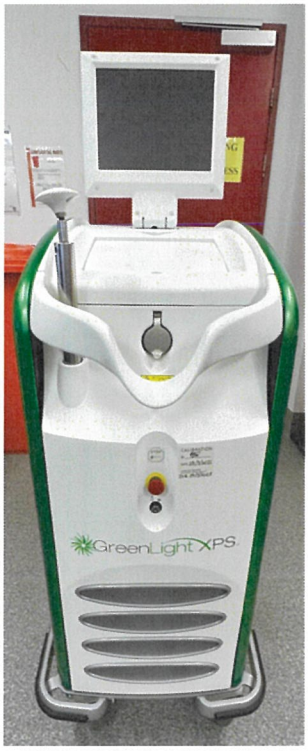
Email: HT-Disposals-CWB@health.qld.gov.au

Photos Included

Item Number:	10329886
Type of Equipment:	GreenLight XPS Laser
Collection Location:	Mackay Base Hospital
Make & Model:	AMS
Year of Acquisition:	2014
Serial Number:	XPS50922
Is the equipment in working condition?	Yes
Describe the condition of the equipment:	Good condition
Accessories:	Camera lens adaptor, [redacted] 3x Safety Goggles,
Are manuals/instructions available?	
When the equipment was last serviced or tested?	May 2023
Are service records available?	Yes
Does the equipment require de-installation?	No
Is the equipment presently in use?	No
On what date can the equipment be collected from the facility?	ASAP after payment (within 2 weeks of payment)

This information is provided by the Health Technology Disposal Program to the best of their knowledge. An onus is on the buyer to confirm these details prior to purchase.

PHOTO'S BELOW



Greenlight laser XPS

Section 1: Device Description

FiberLife will also stop laser emission if the laser is accidentally fired while inside the cystoscope. Generally, this will prevent serious damage to the cystoscope. However, some discoloration of the metal may still occur which could increase the possibility of corrosion.

Coagulation

A feature new with GreenLight XPS is pulsed coagulation. In this mode, activated when the coag footswitch is pressed, laser emission is pulsed at a rate of ~12Hz with a duty cycle of ~25%. This mode improves the coagulative effect when compared to the continuous emissions typically used by other lasers.

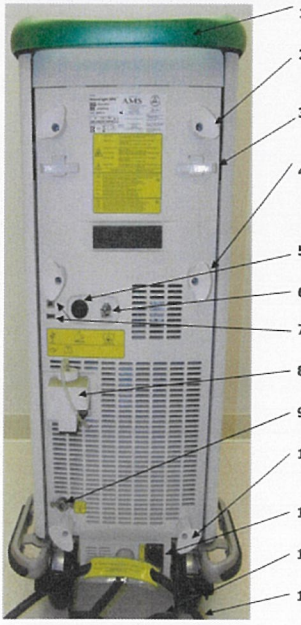
Console Specifications

Laser Type	Solid State, Frequency Doubled
Wavelength	532 nm
Maximum Power output at 532 nm	Limited by fiber delivery device, maximum 180W
Nominal Optical Hazard Distance (NOHD)	33.9 meters (MPE = 1×10^{-3} W/cm^2)
Repetition rate	Vaporization: Quasi-CW (15kHz – 25kHz) Coagulation: Modulated at 12Hz, 25% duty cycle
Maximum Aiming Beam power	5mW
Output Beam Divergence	Perpendicular to fiber: 0.5±0.1, Parallel to fiber: 0.25±0.1 radians full angle at half maximum with the 10-2090 fiber in air
Electrical Requirements	200-240 VAC @ 60 Hz or 50 Hz, 20 A, Single phase
Operating Temperature	50° F - 85° F (10° C - 30° C)
Storage/Transport Temperature	50° F - 104° F (10° C - 40° C)
Humidity	10% - 90%, non-condensing

Section 1: Device Description

Dimensions	Width: less than 22 inches (56 cm) Depth: less than 36 inches (91 cm) Height: less than 58 inches (147 cm)
Weight	Less than 475 pounds (215 kg)

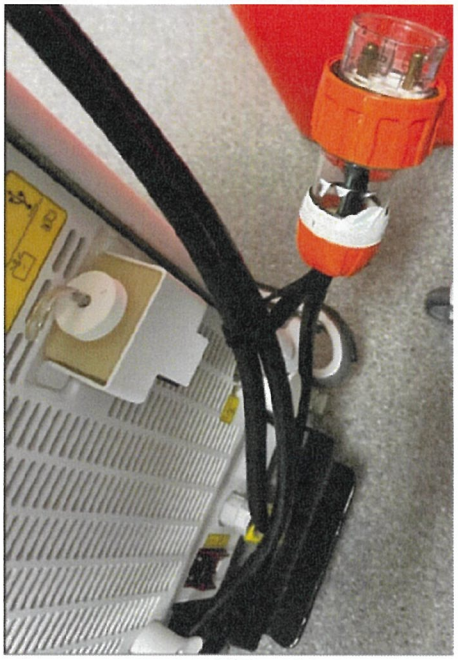
Rear View of Laser System



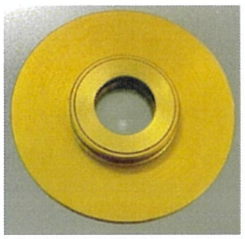
1. Rear Handle
2. Upper Power Cord Storage Hook
3. Footswitch Storage Hook
4. Footswitch Cord Storage Hook
5. Footswitch Connection
6. Remote Interlock Socket
7. Service Port
8. Coolant Reservoir
9. Coolant Drain
10. Lower Power Cord Storage Hook
11. Circuit Breaker
12. Foot Brake
13. Electrical Connection

Figure 1-2 Rear View of Laser System

Foot pedal

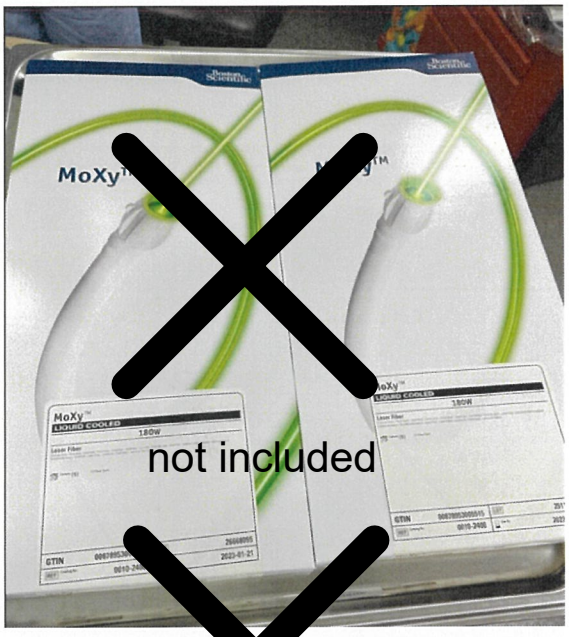


3 Phase Plug



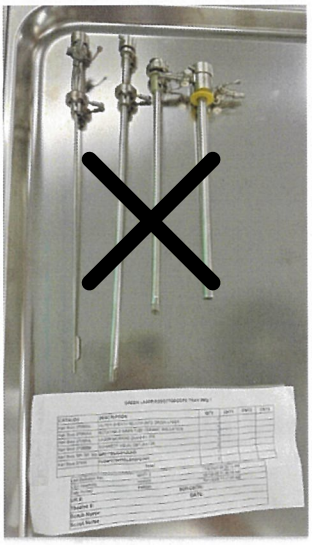
Camera lens adaptor

Greenlight cystoscopy set with visual obturator.



not included

Use Moxy Laser Fibres.



Greenlight 26fr Resectoscope set with visual obturator.

Radiation Safety Act 1999 - Form 50i Version 1

Queensland Government

Assessment Report

Standard for non-ionising radiation apparatus–medical or cosmetic procedures, or related practices (2021)

Possession Licensee Mackay Base Hospital

Client ID: Licence No.:

Details of Laser Apparatus

NIR Apparatus ID: L33408

NIR Apparatus Details: AMS, XPS, 50622
(manufacturer, model, serial no.)

Address where assessment was undertaken:
THEATRES, MACKAY BASE HOSPITAL, 475 BRIDGE ROAD, 4740

Results of Assessment

Compliance Test	Outcome	Compliance Test	Outcome
Test 1: Protective housing	☒ Pass ☐ Fail ☐ n/a	Test 8: Aperture indication	☒ Pass ☐ Fail ☐ n/a
Test 2: Access panels	☒ Pass ☐ Fail ☐ n/a	Test 9: Aperture warning label	☒ Pass ☐ Fail ☐ n/a
Test 3: Override mechanisms	☐ Pass ☐ Fail ☒ n/a	Test 10: Viewing optics	☐ Pass ☐ Fail ☒ n/a
Test 4: Labels for access panels	☐ Pass ☐ Fail ☒ n/a	Test 11: Radiation warning label	☒ Pass ☐ Fail ☐ n/a
Test 5: Remote interlock connector	☒ Pass ☐ Fail ☐ n/a	Test 12: Explanatory label	☒ Pass ☐ Fail ☐ n/a
Test 6: Key control	☒ Pass ☐ Fail ☐ n/a	Test 13: Radiation output	☒ Pass ☐ Fail ☐ n/a
Test 7: Radiation warning device	☒ Pass ☐ Fail ☐ n/a	Test 14: Emergency stop	☒ Pass ☐ Fail ☐ n/a

Requirements *(what needs to be done for the laser apparatus to comply with the standard)*

Comments

First Assessment **Unique ID:**

The laser apparatus complies with the standard - certificate of compliance to be issued

Signature of Accredited Person: Date: 30/05/2022
(of assessment)

Name: PAUL WHITEHOUSE

Accreditation certificate number: A0067818I7

Pg 1

Greenlight Laser MHHS 2023

1). Honeywell: 190-532 UV, Argon, 532nm 13 AKP

2). Diopika: 450-532nm OD 7+ 190-449nm OD 7+

3).Orange green light laser safety goggles: OD4+190nm-550nm wavelength Laser safety Glasses for typical 405nm,445nm,450nm,520nm,532nm Laser

OD4+190nm-550nm wavelength Laser safety Glasses for typical 405nm,445nm,450nm,520nm,532nm Laser light for eye protection goggles

3 x KTP greenlight laser alert signs for doors

Biomedical Technology Services

Queensland Health

Radiation Safety Act 1999 – Form 60 (QIS36411V1)

AIMS information
Tag: 10329886
WO#: 5119967

Queensland Government

Certificate of Compliance

Standard for non-ionising radiation apparatus–medical or cosmetic procedures, or related practices (2021)

I certify that the following laser apparatus complies with the *Standard for non-ionising radiation apparatus – medical or cosmetic procedures, or related practices (2021)*

NIR Apparatus ID: L33408

Apparatus details: American Medical Systems Greenlight XPS, SN - XPS50922
(manufacturer, model, serial no.)

Accreditation certificate number: A006402817

Certified by: Gene Jackson
Name of accredited person

Signature of accredited person

Date certified: 18/05/2023

Next assessment due before: 18/05/2024

Conditions/Comments:

No user selectable pulse duration to test.

For certification advice contact Biomedical Technology Services on 1300 400 261

CSD 176 10/22

Boston Scientific
Advancing science for life™

XPS Greenlight ProntoForm Rev D

CHECKLIST INFORMATION

Case Information

Account	MACKAY BASE HOSPITAL - MACKAY, Queensland - 78777
Serial Number	XPS50922-GREENLIGHT XPS 200-240V US
Work Order Number	WO-00512602

SAFETY EVALUATION - ENGLISH

Safety Evaluation

Reference:	Complete 92628471 Rev B, CE AMS MEE Safety Evaluation Checklist, per WI 92046056 CE WI Greenlight HPS-XPS Safety Evaluation Electrical Safety Evaluation according to IEC 62353 & STK MPBetreiberV
Mains connection type:	Non-Detachable Power cord
Applied part type:	BF
Class of protection	Class I

Section 1: Visual Inspection

Mains, Power Cords, Strain Reliefs (Defects, wear)	Pass
Filters (Dust Filters Inspected)	Pass
Accessories (Defects, wear)	Pass
Integrity of Housing / Enclosure & mechanical parts	Pass
Safety related marking and Labeling verified	Pass

Section 2: Electrical Safety Testing

Mains Voltage (Measured result in volts):	237
Protective Earth Resistance (< 300m Ω):	140 Pass
Touch Current, Normal condition (Limit ≤ 100 µA)	4 Pass
Touch Current, SFC: Open Earth (Limit ≤ 500 µA)	4 Pass

STOP! Complete functional test checklist then return to complete Safety Evaluation checklist

Section 3: Safety related Functional Tests	
Functional test as per document # 91166342 or 91166341	Pass

Section 4: Overall assessment	
Overall Assessment	Pass
Safety Evaluation sticker with next recommended date applied on the product	Yes

PM / FUNCTIONAL – ENGLISH

PM / Functional Test	
Reference	Complete 91166342 Rev AF – CE Greenlight XPS Preventive Maintenance Data Sheet, per 91166332 CE WI, GreenLight XPS Preventative Maintenance, Repair Procedure

Part 1 of 5 – Log Files	
Step 1.1: Save Log Files – Prior to beginning Preventive Maintenance (In Service Screens, click "Install" tab, then click "Save System Config".)	Yes Pass

Part 2 of 5 – Preventive Maintenance Tasks	
Step 2.1 – 2.2: Power Verification at 120 Watt setting (119 – 136 Watts)	127.4 Pass
Step 2.3: Drain water from the system	Yes
Step 2.4: Replace the De-Ionizing Filter	Yes
Step 2.5: Replace the Particle Filter	Yes
Step 2.6: Replace the Desiccant Pack	Yes
Step 2.7: Replace Disposable Air Filter, or clean Metal Filter and Heat Exchanger	Yes
Step 2.8: Fill system with DI, Sterile or Distilled Water	Yes

Part 3 of 5 – Functional Tests	
Step 3.1: Water Flow Rate Sticker Value (L/min)	2.1
Step 3.1: Water Flow Rate Measured Flow (L/min) (±0.05 L/min)	2.1 Pass
Step 3.2 – 3.3: RF Energy Sticker Value in Watts	65
Step 3.2 – 3.3: RF Energy Recorded Value in Watts (65 Watts (–2 to +0 Watts))	65 Pass
Step 3.4 – 3.5: Record pre-calibration power verification (Vapor – using yellow foot pedal) for 80 Watt setting. (78–91 Watts)	84.8 Pass
Step 3.4 – 3.5: Record pre-calibration power verification (Vapor – using yellow foot pedal) for 120 Watt setting. (119–136 Watts)	124.1 Pass

Step 3.4 – 3.5: Record pre-calibration power verification (Vapor – using yellow foot pedal) for 180 Watt setting. (179-198 Watts)	182.5 Pass
Step 3.6 – 3.7: Record pre-calibration power verification (Coag – using blue foot pedal) for 20 Watt setting. (19-23 Watts)	20.7 Pass
Step 3.6 – 3.7: Record pre-calibration power verification (Coag – using blue foot pedal) for 30 Watt setting. (29-35 Watts)	29.9 Pass
Step 3.6 – 3.7: Record pre-calibration power verification (Coag – using blue foot pedal) for 40 Watt setting. (36-46 Watts)	40.1 Pass
Step 3.4: Can calibration be bypassed?	Not required, but will be calibrated
Step 3.4 – 3.5: Record post-calibration power verification (Vapor – using yellow foot pedal) for 80 Watt setting.(78-91 Watts)	87.4 Pass
Step 3.4 – 3.5: Record post-calibration power verification (Vapor – using yellow foot pedal) for 120 Watt setting. (119-136 Watts)	127.4 Pass
Step 3.4 – 3.5: Record post-calibration power verification (Vapor – using yellow foot pedal) for 180 Watt setting. (179-198 Watts)	184.2 Pass
Step 3.6 – 3.7: Record post-calibration power verification (Coag – using blue foot pedal) for 20 Watt setting. (19-23 Watts)	21.9 Pass
Step 3.6 – 3.7: Record post-calibration power verification (Coag – using blue foot pedal) for 30 Watt setting. (29-35 Watts)	31.2 Pass
Step 3.6 – 3.7: Record post-calibration power verification (Coag – using blue foot pedal) for 40 Watt setting. (36-46 Watts)	41.4 Pass
Step 3.8: When Emergency Off Button is pressed, does "emergency off" message appear?	Yes Pass
Step 3.9: When Remote Interlock is removed, does "Remote Interlock Open" message appear?	Yes Pass
Step 3.10: With no fiber attached, is system unable to go into Ready Mode?	Yes Pass
Step 3.11: With no Fiber attached, does the "Attach a device" message appear?	Yes Pass
Step 3.13: Check for water leaks	Yes Pass
Step 3.13: Check for loose/broken cables	Yes
Step 3.14: Check Footswitch cable and locking ring for damage, wear or exposed wires	Yes Pass
Step 3.15: Check Fiber Port Pins for corrosion	Yes Pass
Step 3.16: Check Top Cover for physical damage, cosmetic damage, loose hardware and display cable integrity	Yes Pass

Part 4 of 5 – Log Files

Step 4.1 – 4.3: Save Log Files	Yes Pass

Part 5 of 5 - Final Checks

Step 5.1: Turn system off, close panels, start system in Customer Mode and verify that no errors occur	Yes Pass
Step 5.2 - 5.3: Final Checks: Power on Meter (120 Watt setting in customer mode (119-136 Watts))	127.4 Pass
Step 5.2 - 5.3: Final Checks: Current in Amps (at 120 W setting in customer mode):	67.6
Step 5.2 - 5.3: Final Checks: Aim beam at 100% using Service Fiber (3.5 - 5.6 mW):	5.46 Pass
Step 5.2 - 5.3: System Information: System Run Time:	294:03
Step 5.2 - 5.3: System Information: System Lasing Time:	20:45
Step 5.2 - 5.3: System Information: System Lasing Energy	8707
Step 5.2 - 5.3: System Information: Parameter 206:	79
Step 5.2 - 5.3: System Information: SW version	02.04.1100

CHECKLIST CLOSING - ENGLISH

Checklist Closing

System Status	Service Complete
Work Order Assigned Technician	Paul Whitehouse
Completed by Username:	paul.whitehouse@bsci.com
Date of Service	Sep 29, 2022

Service Report

Account Name
MACKAY BASE HOSPITAL
BRIDGE ROAD
MACKAY
QLD
4740
Australia

Order Information
Work Order Number: WO-00512602
Work Order Type: Preventive Maintenance

Technical Assistance Center
Boston Scientific Australia and New Zealand Building 1, Level 6 Connect Corporate Centre 191 O'Riordan Street Mascot NSW 2020 Phone: 1800 676 133 (option 5) Email: capitalequipmentanz@bsci.com

Contact Information
Contact:
Phone:
Email:

Service Coverage
Billing Type: Contract
Start:07/01/2021 **End:**06/30/2023
PO Number:
Next Service Date :

Primary equipment		
Product Line : GreenLight	**Product Model** : GreenLight XPS	**Serial Number :**XPS50922

Connected Equipment			
Product Name	**BSC Serial Number**	**Non BSC Serial Number**	**Manufacturer**

Measurement Equipment - Last Calibration	
Device Name Serial #	**Next Calibration Date**
7Z01550 - Meter, Nova II Display ROHS - BT603130	03/10/2023
FL250A - BT602486	06/06/2023
7Z02410 - Sensor, Power, Photodiode, PD300-ROHS - BT602879	05/03/2023
43-BNC - Meter, Watt Thruline - BT602510	04/08/2023
100A - Element, 100W, 25-60MHz - BT602570	10/27/2022
S-111-8 - LIQUID FLOW METER - BT602419	01/13/2023

Case Description :	Preventative Maintenance Due by 30 September 2022 Contract 0040152290-000010 (1 of 4)

Work Performed Summary :	**Performed by** :Paul Whitehouse **Performed on:** 09/29/2022 1:00 PM **Work Performed** :Fibre port contacts severe corrosion Cleaned with tool USB port contacts ok Validate passed Set clock on TSB Pm complete **Checklist Result** :Pass

Parts Used		
Part Name	**Part Number**	**Qty**
KIT PM GL HPS OR XPS ROHS	0133-6761	1

As applicable, the completed checklist is included in additional attachment(s)

Customer:

DATE: 09/30/2022 10:19 AM

Technician: Paul Whitehouse

DATE: 09/30/2022 10:19 AM

ExpertCare
Capital Equipment Technical Services