

Please fill in the following First Start-up Report and send it back to Quanta System Service Dept.:
via e-mail at service@quantasystem.com (scanned version),
or fax it to +39 0331 367815.

FIRST START-UP REPORT FORM

Model of the laser system (please select your model):

☐ **Cyber Tm 120**

☐ **Cyber Tm 150**

☐ **Cyber Tm 180**

☐ **Cyber Tm 200**

Serial number: _____

Line Voltage: ☐ **208 Vac**; ☐ **230 Vac**

Customer's name and address: _____

Contact phone number/email address: _____

Checks	Put x if performed	Comments
Visual check of the laser system		
Integrity and presence of the Accessories		
Integrity and presence of the Power cord		
Functioning of the Touchscreen		
Fill the Cooling system		
Presence of the Aiming beam out of the delivery system		
Absence of warnings or alarms		

General comments after the first start-up: _____

Authorized Company for Technical Service: _____

Country: _____

Service technician/engineer: _____

Date and Signature: _____

Please send the scanned First Start-up Report to service@quantasystem.com or fax it to
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TABLE OF CONTENTS

1	GENERAL INFORMATION	5
1.1	Introduction	5
1.2	Symbols and Abbreviations	6
1.3	Combinations	7
2	LASER SAFETY	8
2.1	General Safety	8
2.2	Classification.....	8
2.3	System Safety Features	8
2.4	Working Area	8
2.5	Eye and Skin Exposure.....	9
2.5.1	Nominal Ocular Hazard Distance	9
2.6	Environmental conditions	10
2.6.1	Electrical connection requirements.....	10
2.6.2	Temperature and humidity.....	10
2.6.3	Minimum space requirements.....	10
2.7	Fire hazard.....	10
3	DEVICE DESCRIPTION	11
3.1	Introduction	11
3.2	General description of the device	11
3.2.1	Device front panel.....	11
3.2.2	Device rear panel	12
3.2.3	The Double Footswitch	12
3.3	The optical fiber	12
3.3.1	Code plug / RFID system	13
4	SYSTEM FIRST START-UP	14
4.1	Transportation.....	14
4.2	Packaging.....	14
4.3	Inspection.....	14
4.4	Labeling check	14
4.5	First start-up procedure	14
4.5.1	Interlock connection	15
4.5.2	Footswitch connection.....	16
4.6	Optical Fiber connection	16
4.7	Hydraulic system filling	17
4.8	Hydraulic system draining.....	18
4.9	External covering panels	18
5	INSTRUCTION FOR USE	19
5.1	Startup procedure	19
5.1.1	The Touchscreen PC panel – Startup	19
5.2	Service	20
5.2.1	Status	21
5.2.2	Param.....	22

5.2.3	Fiber	23
5.2.4	Chiller	23
5.2.5	Serial Number	24
5.2.6	Power Calibration	24
5.3	Activation of Laser Emission.....	25
5.3.1	Insert the Optical Fiber	25
5.3.2	Ready / Standby.....	26
5.3.3	Ready Mode.....	27
5.3.4	Emission Mode.....	28
5.3.5	Led Signals.....	29
5.4	Shut-down procedure	29
5.5	Alarms	30
6	<u>OPTICAL SYSTEM.....</u>	<u>33</u>
6.1	Optical bench	33
6.2	Fiber alignment optimization procedure	34
6.2.1	Fiber launch assembly.....	34
6.2.2	Aiming Beam alignment procedure	35
6.2.3	Thulium laser alignment	35
6.2.4	Focusing lens alignment.....	36
6.3	Optical bench components replacement	36
6.3.1	45° folding mirror replacement	36
6.3.2	Shutter mirror replacement.....	37
6.3.3	Laser Head removal	37
6.4	Desiccant bags replacement (at 6-months preventive maintenance)	38
7	<u>ELECTRONIC SYSTEM.....</u>	<u>41</u>
7.1	Overview	41
7.1.1	Block diagram	41
7.2	Cover panels removal (for PUMS00008)	42
7.2.1	Front cover panel removal.....	42
7.2.2	Service panel removal.....	44
7.2.3	Isolation transformer box removal	45
7.3	Cover panels removal (for PUMS00009 and following)	46
7.3.1	Top cover:	46
7.3.2	Front cover:.....	47
7.3.3	Panel PC box	48
7.3.4	Isolation transformer box	49
7.4	Power Supply Rack: Panel picture.....	49
7.5	Power Supply Rack: Internal components	50
7.5.1	Diode Laser driver	53
7.5.2	Power Supply	53
7.5.3	Contactactor	54
7.5.4	I/O Expansion Board and Microcontroller Board.....	54
7.5.5	Aiming Beam Driver	55
7.6	Substitution of the Power Supply Rack	55
7.7	Substitution of the Diode Laser Driver.....	56
7.8	Fiber Code Plug and Power Meter boards	58
7.8.1	Fiber Code Plug board removal.....	59
7.8.2	Power meter board removal.....	59
7.8.3	Power meter removal	60
7.9	Fuses.....	61
8	<u>COOLING SYSTEM</u>	<u>62</u>

8.1	Overview	62
8.2	Cooling system Servicing procedures.....	62
8.2.1	Substitution of the Fast Flow Meter kit on “Chiller 2”	62
8.2.2	Setting the Chiller P309/P306 parameters	65
8.2.3	Setting of the flow level of Chiller 2.....	66
8.2.4	Chiller internal fuse substitution	66
8.2.5	Procedure for water circuit inspection	68
9	<u>FIRMWARE/SOFTWARE</u>	<u>71</u>
9.1	Control panel.....	71
9.1.1	Service Menu	71
9.1.2	Cyber Tm Firmware Service Parameters.....	72
9.2	Firmware upgrade procedure	73
9.3	Software upgrade procedure	74
10	<u>TROUBLESHOOTING</u>	<u>75</u>
10.1	Warnings description	75
11	<u>CUSTOMER SERVICE</u>	<u>76</u>
11.1	Manufacturer warranty and responsibility	76
11.2	Repair and modifications of the device.....	76
11.3	Service department contacts	76
12	<u>TECHNICAL SPECIFICATIONS.....</u>	<u>77</u>
12.1	General specification.....	77
	<u>APPENDIX: ELECTRIC SCHEMES</u>	<u>78</u>
	<u>APPENDIX: PREVENTIVE MAINTENANCE PLAN</u>	<u>78</u>

DISCLAIMER

Quanta System service manuals are written specifically for use by Quanta System Service Engineers who have received formal training in the servicing of Quanta System equipment and by customers who have taken and passed a Quanta System Certification Service Training Course for the equipment being serviced. Information on certification service training courses program offered to customers can be obtained by contacting the Technical Service Training Coordinator by phone at +39-0331-376797 (Central European time 8:30am-5:30pm) or by e-mail at service@quantasystem.com.

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Content of the Service Manual

This Service Manual provides service engineers/technicians with information on the following topics:

- Safety Instructions
- Laser System Description
- First start-up Instructions
- Optical System
- Electronic System
- Cooling System
- Troubleshooting
- Special Service Tools
- Customer Service
- Appendices with technical drawings

Service personnel are encouraged to familiarize themselves with the laser system and its operation. Make sure that all components within the laser can be identified. Follow the Troubleshooting Chapter to restore the performance of the laser if it does not meet or even exceeds the defined criteria.

The service manual includes the detailed descriptions of all the relevant components and procedures needed for the correct way of using this laser system along with additional electrical schematics and technical illustrations.

Upon request, Quanta System will provide additional circuit diagrams, component part lists, descriptions, calibration instructions, or other information not already contained within the technical guide, to assist the qualified technical personnel in resolving the issues.

Any measurement performed shall give results within the acceptance range taking into account the measurement uncertainty of the measurement instrument.



Warning: Use of any controls, adjustments or performance procedures other than those specified herein may result in hazardous radiation exposure.



In order to avoid any risks of dangerous faults, please **be sure that you carefully read this Service & Maintenance Manual before starting any operation.**

1 GENERAL INFORMATION

1.1 Introduction

Medical Device *Cyber Tm* is a diode-pumped, solid-state, Tm:YAG laser, emitting at 2010 nm laser wavelength. This laser is the result of the long experience of QUANTA SYSTEM in the field of medical laser equipment.

The devices of the *Cyber Tm* family may have different covering panels as in the figures below:



PUMS00009 and following and Pums00008 *Cyber Tm* versions.

The *Cyber Tm* Family includes the following versions:

Version	Maximum Power	Mains
Cyber Tm 120	120 W	230V Ac
Cyber Tm 120	120 W	208V Ac
Cyber Tm 150	150 W	230V Ac
Cyber Tm 150	150 W	208V Ac
Cyber Tm 180	180 W	230V Ac
Cyber Tm 180	180 W	208V Ac
Cyber Tm 200	200 W	230V Ac
Cyber Tm 200	200 W	208V Ac