

**MAIN SUBJECT: LASER Welder by OROTIG**

**TEST PURPOSES : 24 hours non-stop Working Session Test**

**TEST CONDITIONS : 230Vac Electrical Power Supply**

**MEASURE INSTRUMENT : NO INSTRUMENT REQUIRED**

The purpose of this test is to identify the limit conditions to have a 24 hours non-stop working session with the following equipments.

All the tests are done under the same environmental conditions and the test room temperature is 25°C to 33°C, as described in the report charts below.

The following parameters can be used, under the same environmental conditions, to gain a 24h non-stop working session using the related equipment.

The R-EVO /7500 LASER Welder is not included in this chart because the 24h non-stop working session is the main feature of the equipment itself and is granted, under the same environmental conditions, with any parameter.

**LASER mod. XXS-EVO / 125**

| Power [KW] | Time [ ms] | Frequency [HZ] | Room Temp. [°C] |
|------------|------------|----------------|-----------------|
| 2.5        | 1.5        | 5              | 33              |
| 4.8        | 1          | 4              | 33              |
| 3          | 2          | 3              | 25              |
| 3          | 2          | 3              | 33              |
| 3.5        | 2          | 2              | 33              |
| 4          | 3          | 1              | 30              |

**LASER mod. StudioPlus / 60**

| Power [KW] | Time [ ms] | Frequency [HZ] | Room Temp. [°C] |
|------------|------------|----------------|-----------------|
| 4          | 1          | 4              | 31              |
| 2.5        | 2          | 3              | 25              |
| 2.5        | 2          | 3              | 30              |
| 4          | 3          | 1              | 33              |

**LASER mod. XXS-EVO / 100**

| Power [KW] | Time [ ms] | Frequency [HZ] | Room Temp. [°C] |
|------------|------------|----------------|-----------------|
| 2.5        | 1.5        | 5              | 33              |
| 4.8        | 1          | 4              | 33              |
| 2.5        | 3          | 3              | 25              |
| 2.5        | 2.5        | 3              | 33              |
| 3          | 3          | 2              | 31              |
| 4.8        | 3          | 1              | 25              |
| 4.8        | 3.5        | 1              | 33              |

LASER mod. MARK-Uno / 7500

| Power [KW] | Time [ ms] | Frequency [HZ] | Room Temp. [°C] |
|------------|------------|----------------|-----------------|
| 3          | 2          | 5              | 33              |
| 4.5        | 1.5        | 4              | 30              |
| 4          | 3          | 3              | 25              |
| 3          | 3          | 3              | 33              |
| 4          | 3          | 2              | 31              |
| 5.2        | 4.5        | 1              | 30              |

Date:

11/04/2012

Test Engineer:

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Check Engineer:

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