

CENTAURUS

Flexible, high energy, high repetition rate, femtosecond laser system



CENTAURUS

With its highly stable, high energy output, Amplitude Technologies' CentAurus femtosecond Ti:SA laser system is able to be used to probe matter under even the most extreme conditions. Its high repetition rate allows it to be adapted to contend with to any data acquisition scenario.

The system can be upgraded and fully customized due to its flexible modular design. It is engineered

to allow it to be configured to cope with any specific laboratory requirement such as a linear accelerator or a synchrotron.

The module design is the result of 10 years' experience in the science, design and development, and support of state-of-the-art systems in the field by Amplitude Technologies resulting in engineering functions that are extremely robust and reliable.

KEY FEATURES

1 #

High energy, high stability output

2 #

High repetition rate

3 #

Modular system design

4 #

Ultra-flexible module engineering.

5 #

Module design the result of 10 years' experience

PERFORMANCES

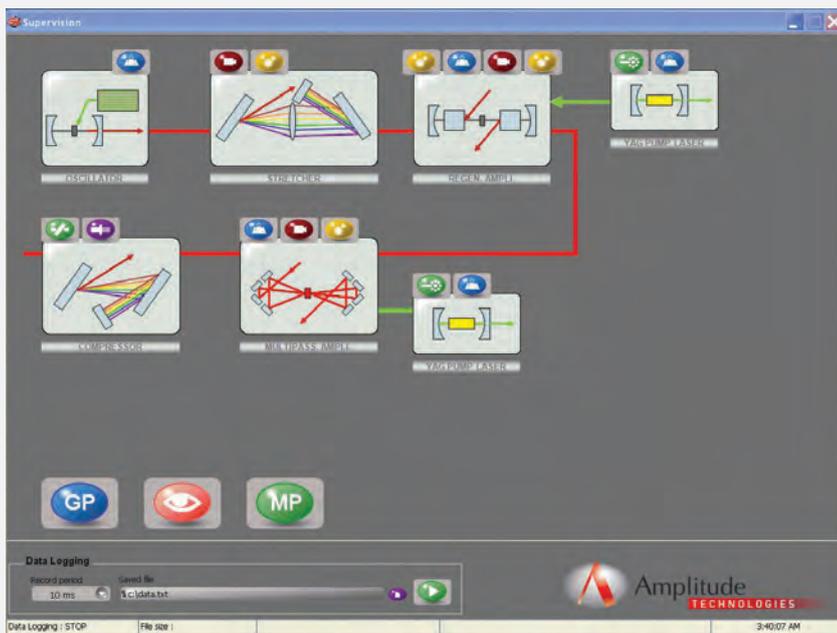
1 # High energy, high stability output

2 # High repetition rate

Characteristics	CENTAURUS
Rep. Rate	10Hz – 100Hz
Peak power	TW-class
Energy	Up to 1.5J
Energy Stability (% rms)	< 1.5%
Pulse duration	Typical 40fs
ASE contrast	> 10 ⁶ :1
M ²	< 1.4

SUPERVISION

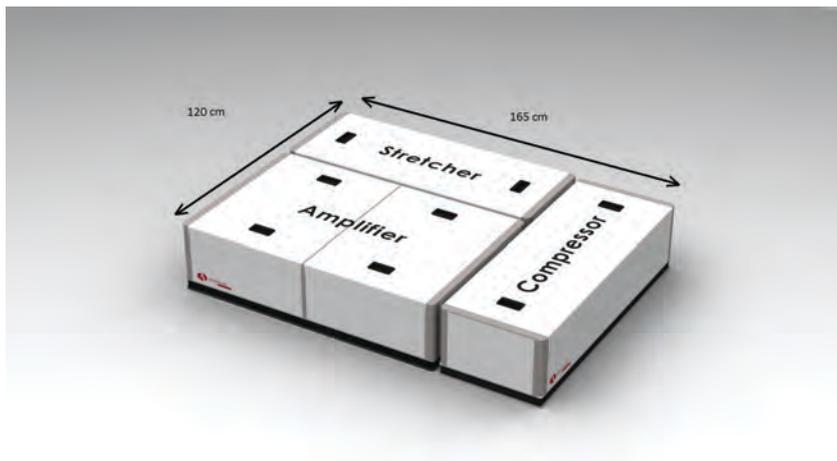
3 # Modular system design



OPTICAL LAYOUT

4 # Ultra-flexible module engineering.

5 # Module design the result of 10 years' experience



AMPLITUDE TECHNOLOGIES
2-4 rue du Bois Chaland,
CE 2926 Lisses
91029 Evry - France

AMPLITUDE LASER
One Broadway, floor 14
Cambridge, MA 02142
USA

AMPLITUDE TECHNOLOGIES
Pythagore Optical Business Center
323 Guo Ging rd, bld 3, 9th floor,
Yangu district
200 433 Shanghai - China

AMPLITUDE SYSTEMES
11, avenue de Canteranne
Cité de la Photonique
33600 Pessac - France

脉动科技有限公司

北京总部 地址：海淀区中关村东路89号 恒兴大厦9C, 100190
电话：010-62565117
010-84413925
传真：010-62565117-11
邮箱：info@pulsepower.cn
网站：www.pulsepower.cn

上海办事处 021-32070812
西安办事处 029-87307077
深圳办事处 0755-27528760

VISIBLE AND INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT
OR SCATTERED RADIATION
CLASS IV LASER PRODUCT -IEC 825-1/2000