C-Boom
The 400 Volt Boomer
Seismic source for the marine survey industry
Innovation to change your business
Our 400 Volt boomer system is the lowest voltage boomer system in the market place. It is lightweight and compact, opening up a whole new world of seismic exploration. It is the perfect tool on small inshore craft as well as larger open water vessels. It retains all the functionality of traditional boomer yet offers a number of key benefits including the quality of its data - some of the very best in the world.

The Risk
Traditional power supply units (Bang Boxes) are typically large, heavy and generate up to 5000 volts. By dispensing with the need for very high voltage the C-Boom is much safer.

The Challenge - Why use C-Boom?
Wherever you survey you want to obtain the maximum geological information with decimeter resolution and maximum penetration. The C-Boom is tuned to give just that - Boomer penetration and Pinger resolution without ringing. It is lightweight, compact, easily transported and can be mobilised within minutes. It is ideally suited for very shallow water inshore small boat surveys and equally competent when used for deeper water surveys beyond the 100m contour. The system is safe, simple and can be used confidently by any surveyor.
C-Boom - Technical Specifications

Standard C-Boom System Includes
1 x Deck power supply
1 x Catamaran assembly (Transducer, Electronics module and Frame)
1 x 60m Lightweight tow cable
1 x IEC mains cable with 19A square pin plug
1 x 4m BNC trigger cable
1 x Operation manual
1 x Spares kit (Standard)

C-Boom Power Supply
Dimensions (19" Rack Mounting) 430 x 430 x 180mm
Weight 18kg
Source Voltage 100-120 / 200-240 Volts ac 50 /60 Hz
Output Voltage Range 400—600 Volts DC
Connections Source - IEC C13 Plug
Catamaran - 12 pin Mil-C-26482
Trigger - BNC 50 Ohm
Power Consumption 800W
Environmental Safe Portable Equipment
Fully Isolated from power source
Fully Isolated from Trigger Source
Earth Requirements Electrical earth must be connected through the IEC C-13 source plug

C-Boom Light Weight Tow Cable
Standard Length 60m
(Other Lengths available)
Weight in air 13Kg
Weight in water 4Kg
Diameter 14mm
Composition Triple Insulated
Double screened
Strain member Aramid fibre
Cable breaking strain 700Kg
Cable termination Power supply 12 pin Mil-C-26482
Catamaran 6 pin wet pluggable

C-Boom Catamaran
Catamaran assembly dimensions 950 x1030 x 370mm
Plate dimensions 530 x470 x 25mm
Transducer diameter 370mm
Weight in air 60Kg
Energy discharge per pulse 100 Joules
Acoustic output (re 1uPa@600V) -200dB
Dominant Frequency 1750Hz
Resolution better than 20cm
Firing rate 6 per second max
Catamaran connection 6 pin wet pluggable
Transducer connection 4 pin C-Products connector
Frame assembly 19mm stainless 316 tube

C-Boom
400 Volt Boomer

C-Phone
Multi-Element Hydrophone
How the C-Products range can reduce your survey costs

- Systems can be mobilised and operated by Surveyors
- No Engineer required on site
- Robust and reliable
- Easily portable
- Quick mobilisation
- Can be operated on small craft
- Competitively priced

C-Products Europe Ltd
27 Woolmer Way, Bordon, Hampshire, GU35 9LY
United Kingdom
Tel: +44 (0)1420 488083 Fax: +44 (0)1420 488054
Email: info@c-products.co.uk Website: www.c-products.co.uk

C-Products Ltd
9th Floor, Somerset House, Taikoo Place, Quarry Bay
Hong Kong
Tel: +852 2977 5382 Fax: +852 2576 6558
Email: enquiry@c-products.com.hk Website: www.c-products.com.hk

Contact us for further information on how C-Products can save your company money