SIGNAL GEOFÍSICA LTDA
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Av. São José, 618 - Cristo Rei, Curitiba - PR, 80050-350

G-Boomer

G-Boomer with MultiJack energy source is an ultra-high resolution marine acquisition setup, which is typically used for detailed stratigraphic studies and geological mapping in relatively shallow depths.

G-Boomer is an easy-to-operate marine seismic source with stable broadband wavelet shape up to 5 kHz, providing vertical resolution up to 10 cm. It is applicable for operations in both fresh and salt waters. To provide deeper penetration several boomer plates can be combined on single frame. 2G and 4G boomers with 2 and 4 plates correspondingly are available for purchase for the deeper subsurface imaging with highest possible vertical resolution.

Geodevice team is ready for cooperation and developing customized equipment for special customer's needs and ideas. We have an experience of manufacturing modified version of G-Boomer source with significantly increased central frequency (up to 4 kHz) by the client's request.

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Full acquisition setup includes towed HV power coaxial cable, MultiJack energy source, towed hydrophone array HRStreamer and seismograph. Additionally, deck winches for HV cable and streamer with slip ring can be purchased to provide fast and safe deployment and recovery of UHR marine equipment during field operations.

Please, contact us for generating the most suitable high resolution marine acquisition setup for your purposes. We will consider all the requirements and provide you with the best solution to achieve high quality image, starting from acquisition up to final data delivery.

We provide trainings, technical support and consultancy services, as well as processing of high-resolution marine seismic surveys.

Specification:

	G-Boomer	2G-Boomer	4G-Boomer	G-Boomer HF
Plates	1	2	4	1
Maximum pulse energy	300 J	600 J	1 200 J	300 J
Recommended pulse energy	50 ÷ 250 J	100 ÷ 500 J	200 ÷ 1 000 J	50 ÷ 250 J
Maximum input power	600 J/s	1 200 J/s	2 400 J/s	600 J/s
Sound pressure level relative to1 µPa at a distance of 1 m	215 dB at 250 J	220 dB at 500 J	225 dB at 1000 J	215 dB at 250 J
Pulse spatial length*	0.75 ÷ 1.5 ms			0.2 ÷ 0.4 ms
Frequency range*	100 ÷ 6 000 Hz			100 ÷ 10 000 Hz
Recommended MultiJack	500HP1.5	500HP1.5	2500HP3.0	500HP1.5
Recommended coaxial HV cable	1×10	1×20	1×50	1×10
Plate size	380×380x100 mm			
Weight in air	15 kg			
Catamaran	stainless steel			

Data examples:

Lake Ladoga, G-Boomer HF source, MultiJack-500HP1.5 energy source

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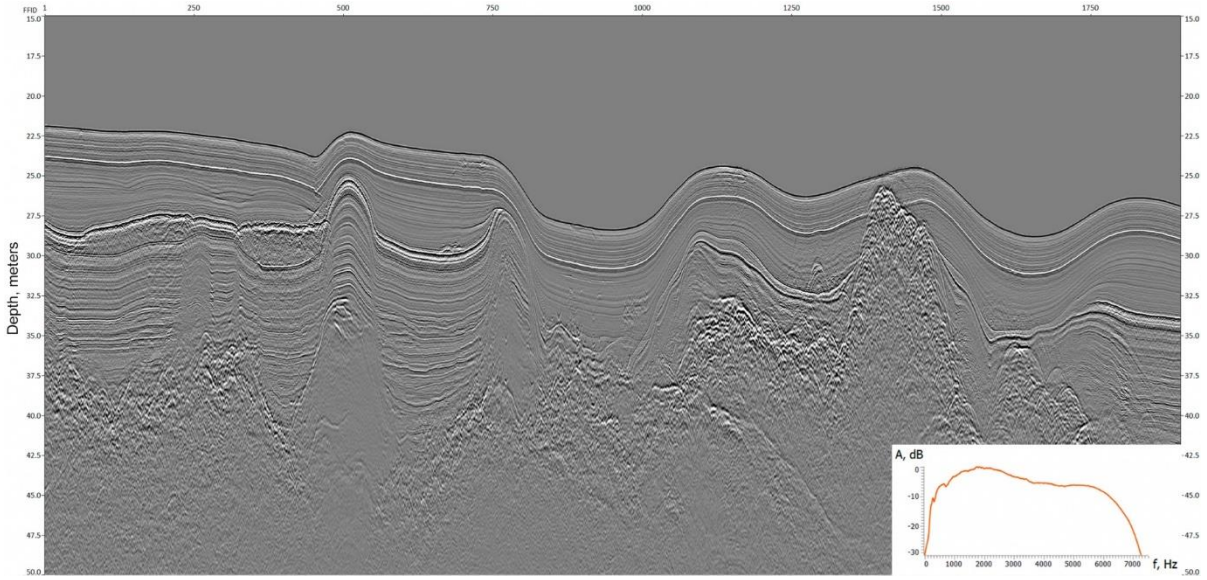

More photos:

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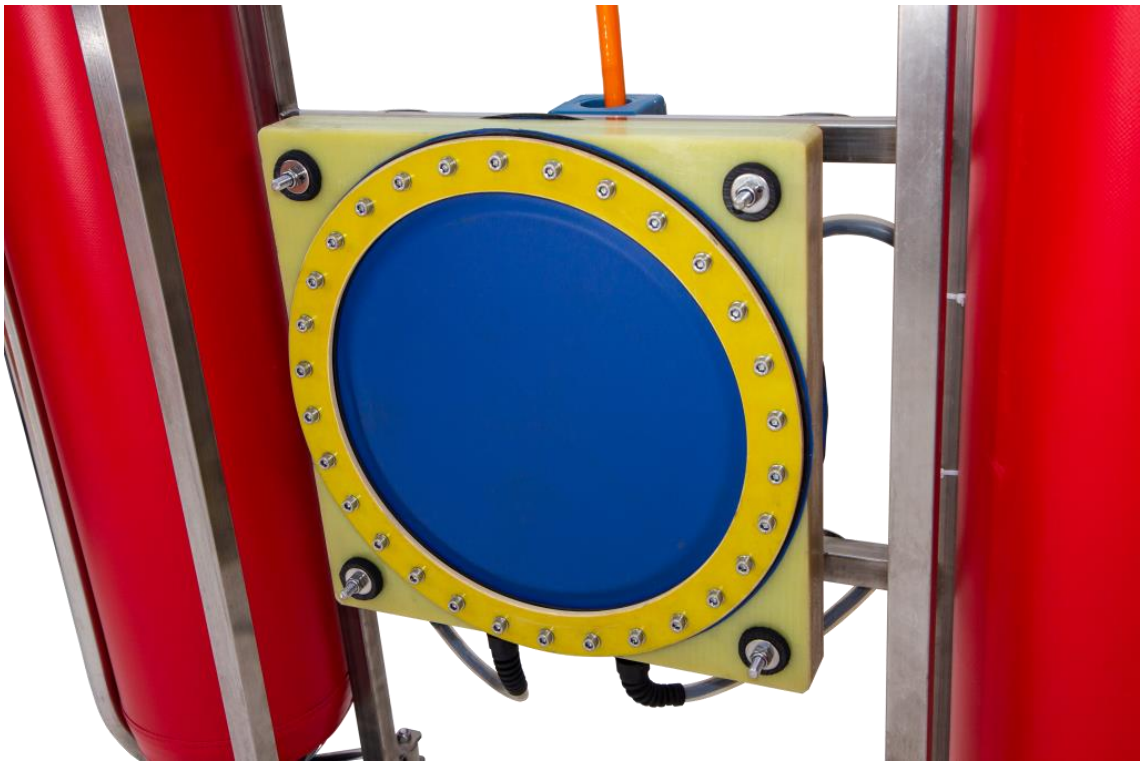

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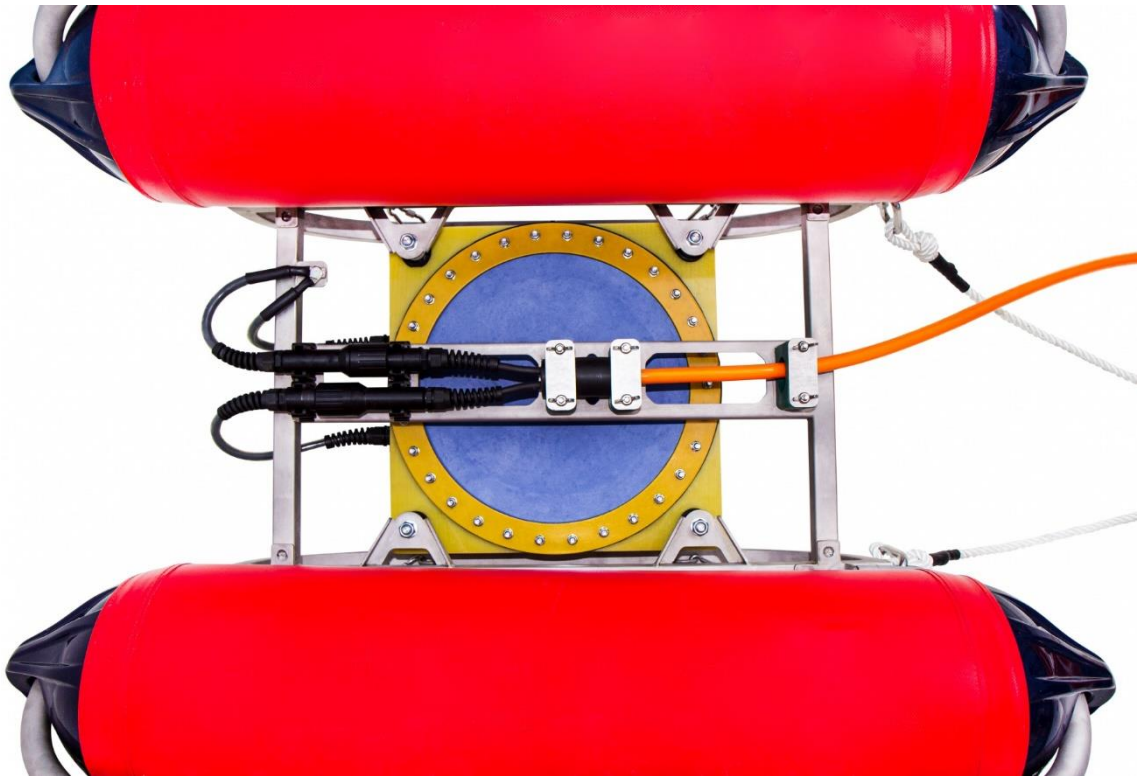

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