



Epibenthic Sledge "EMMA"

Scientific and Industrial Applications

- ★ EMMA-EBS according to the design of Brenke, 2005
 and improvements (Brenke, 2012 to 2014)
- ★ Full ocean depth monitoring
- Proven design for biological monitoring and deep sea exploration
- Operational on soft sediments as well as on hard rock
- → Modular, adaptive and upgradeable system
- ★ Electro-mechanical interfaces for existing vessels and winches
- ***** Education, training and support

emma technologies GmbH

Ringstraße 54 · 24103 Kiel · GERMANY

Tel. +49 431 260937-0 Fax +49 431 260937-29

ask-emma@emma-technologies.com

PROVEN DESIGN EBS SYSTEM

The Epibenthic Sledge "EMMA" is the latest generation of EBS based upon the design of Brenke (2005) and various improvements of this design (Brenke, 2012 to 2014).

The construction of the EBS is the latest improvement and an ideal tool for studies of sediment surface, deep sea habitats and patterns of benthic diversity.

The Sledge is constructed of high grade steel and divided in three to five sections. Offering various sections allows different configurations of equipment set-up and in case of damages the sections can be easily replaced.

The two equal cone nets, (mesh size 0.5 mm, Polyamide, PA), the two net buckets and all additional equipment is well protected by the ruggedly designed frame.

To accommodate video cameras and lights two side sections (electronic carrier) can be attached and equipped with electrooptical devices and different sensor systems.

Standard dimensions (L x W x H): $3600 \, \text{mm} \, \text{x} \, 1300 \, \text{mm} \, \text{x} \, 1162 \, \text{mm}$

Weight: 360 kg Opening: 100 x 33 cm

Net: length 1200 mm, mesh size 500 μm, net bucket: 300 μm

