



Vibracorers

World Class Seabed Sediment Coring Equipment

Specialists
at depth

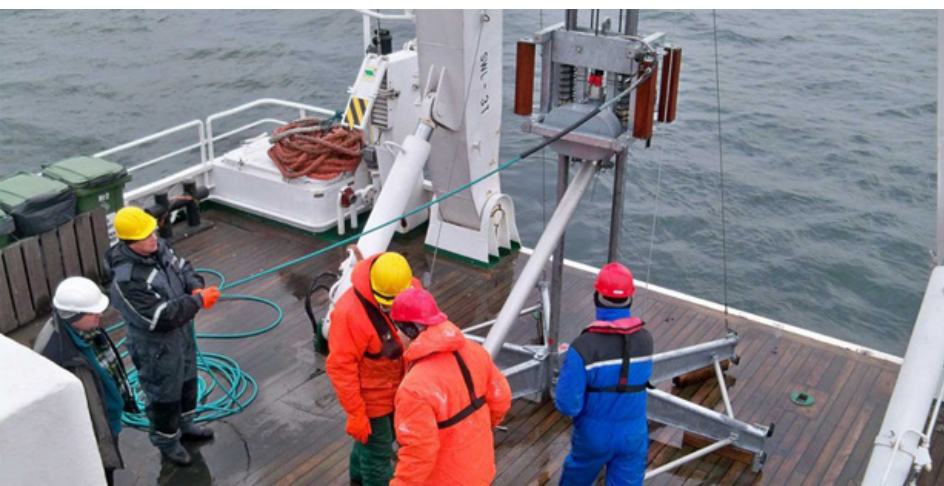
Manufactured By Med Consultants GmbH

With over 50 years of experience, our vibracorers are manufactured in Germany with quality materials and best workmanship and are regarded the best in the world.



Services Delivered By KUM OFFSHORE

A leading offshore marine company specializing in comprehensive vibracorer services, providing precise and reliable sediment sampling solutions for environmental, geological, and research applications worldwide."



Original Vibracorers VC 3/6/9

An easy to use and proven (vibration) Coring system

A sophisticated, electrically driven, vibrating coring system that can extract optimum samples at speed in depths of up to 1000m or more and can be complemented with an in-situ acquisition of thermal conductivity profiles.

The original Med C Vibrocorer -VC(VKG) 3 / 6 / 9- has been successfully deployed and operated in harsh climates and challenging sea conditions for many years.

Vibrocorer			
Product	VC (VKG) -3	VC (VKG) -6	VC (VKG) -9
Max. core length	3000 mm	6000 mm	9000 mm
Core barrel diameter (inside)	102/96 mm (liner)	102/96 mm (liner)	102/96 mm (liner)
Core barrel diameter (outside)	108 mm	108 mm	108 mm
Max. working deepness	250m / 1000 m	250m / 1000 m	250 m / 1000m
Height	4.50 m	7.50 m	10.50 m
Basement diameter	2.70 m	4.60m	6.50 m
Gross weight (excl. uploads)	0.75 to	0.85 to	0.95 to
Gross weight (full uploads)	1.0 to	11 to	1.2 to
Power supply (three-phase AC)	390-440 V. 4 kVA, 50-60 Hz	380-440 V, 4 kVA, 50-60 Hz	390-440 V. 4 kVA, 50-60 Hz
Vibrating force	30 Kn / 7.5 kN (deep water)	30 Kn / 7.5 kN (deep water)	30 Kn / 7.5 kN (deep water)
Vibrating frequency	28 Hz / 14 Hz (deep water)	28 Hz / 14 Hz (deep water)	28 Hz / 14 Hz (deep water)
Corrosion protection	hot zinc / stainless steel	hot zinc / stainless steel	hot zinc / stainless steel
Transport	dismantled		

ADVANTAGES

- Smaller and lighter than others on the market
- Great penetration power and far greater efficiency, by overcoming friction in sediments
- Optimal cores in fine, middle and grain sand

TECHNICAL BENEFITS

- Up to 40 cores/sites extracted per day
- Just 5-minute penetration and extraction time (with unlimited runtime)
- Unique decoupling design resulting in a minimum vibrational deadweight
- Can be operated on smaller vessels with a winch/lift capacity of just 20 kN
- A standard core barrel length of 6m can be adjusted all the way down to 3m
- Split barrels are available up to 9m, with transparent liners for enlarged dimensions



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High Power Vibracorer

The advanced electric vibration coring system boasts a higher power, enabling the swift extraction of pristine samples from depths surpassing 1000m. Building upon the success of the original Med-C Vibracorer, renowned for its performance in demanding deep-sea environments and harsh climates over the years, this enhanced version features a more robust motor with increased vibration forces, a reinforced top frame and core tube support to accommodate the heightened power, a substantially strengthened lifting frame, and the flexibility to retrofit older Vibrocors with a high-power motor and sturdier frame.

TECHNICAL BENEFITS

The new high powered vibracorer boasts all the technical benefits of the original vibracorer in addition to having:

- Innovative unique gear system with increased power and synchronisation.



STANDARD

HIGH-POWER

Core Length

3 - 9M



3 - 9M

Max Working Depth

600M/3000M



1000M

Motor Power

4KW



6.3KW

Power Supply

330-440V 3 PHASE
AC, 50-60HZ



330-440V 3 PHASE
AC, 50-60HZ

Vibration Force

92KN @ 50 HZ (7.5KN
DEEPWATER)



100KN @ 25 HZ

Vibration Frequency

28HZ (14HZ
DEEPWATER)



25HZ @ 50HZ
POWER SUPPLY

Penetration

FINE, MEDIUM AND
GRAIN SAND



COMPACTED AND
CONSOLIDATED
SAND, GRAVEL, TILL,
CLAY, TONE

Corrosion Protection

HOT ZINCED /
STAINLESS STEE



HOT ZINCED /
STAINLESS STEE

Transport

DISMANTLED IN 20
FOOT CONTAINER



DISMANTLED IN 20
FOOT CONTAINER

WHAT DO YOU NEED ?

The Vibracorer - Original or High Power Vibracorer Unit is available for full purchase including all additional equipment and consumables required. If your operation only requires the Vibracorer for a set period of time, we can provide the equipment on a rental or lease basis regardless of your length.

CORPORATE USERS OF THE MED-C VIBRACORERS



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