

Coastline Surveys Limited Gravity or Piston Corer

Coastline Surveys operate 3, 5, and 8 metre piston corers and gravity corers. This method of sampling provides 86mm core samples in water depths up to 4000m dependant on vessel specifications and deployment systems.

The gravity corer is deployed using a freefall winch with either steel or fibre rope (deep water) and penetrates the seabed by gravity generated by allowing the corer to free-fall from a manually set height above the seabed.

The piston corer is in theory the same principal but it has a trip mechanism that allows the corer to drop from a set height avoiding the need for a winch with a de-clutchable break.

Most importantly the pre-set drop height and use a piston significantly improves sample quality particularly in soft soil. The piston provides negative suction within the core liner to aiding recovery of the sample.

Coastline can provide as an option a core chute to ensure 'safe' recovery of the Gravity or piston corers. This is easily mobilised to most vessels.

Typical applications include offshore pipeline and rig site surveys, geochemical sampling, mineral exploration, and nearshore site investigation.



Height (8m core)	9.3m
Height (5m core)	6.3m
Height (3m core)	4.3m
Unit Weight	500-750Kg
Depth Rating	Max 4,000m