

# C-CORE, Newfoundland, Canada

Manufacturer: Acutronic, France

Year first used: 1993

Radius to base of soil container (m): 5.50

Max size of soil sample (l x w x h): 1.2 x 1 x 1

Bucket area (sq. m): 1.5

Max Design Acc (g): 200

Max Design Carrying Capacity (ton): 2

Max Acc used (g): 200 carrying (ton): 1

Max Load Tested (ton): 1 at (g): 200



Figure 1

## Special Capabilities:

Cold regions e.g. ice & permafrost

## Tests: Most recent testing has been in the offshore foundations area, including:

1. Surface buckling of 2.8m long pipeline, Fig. 2

2. Trench effects on suction caisson capacity

3. Frost heave of buried pipelines, Fig. 3

4. Aeronautical component testing

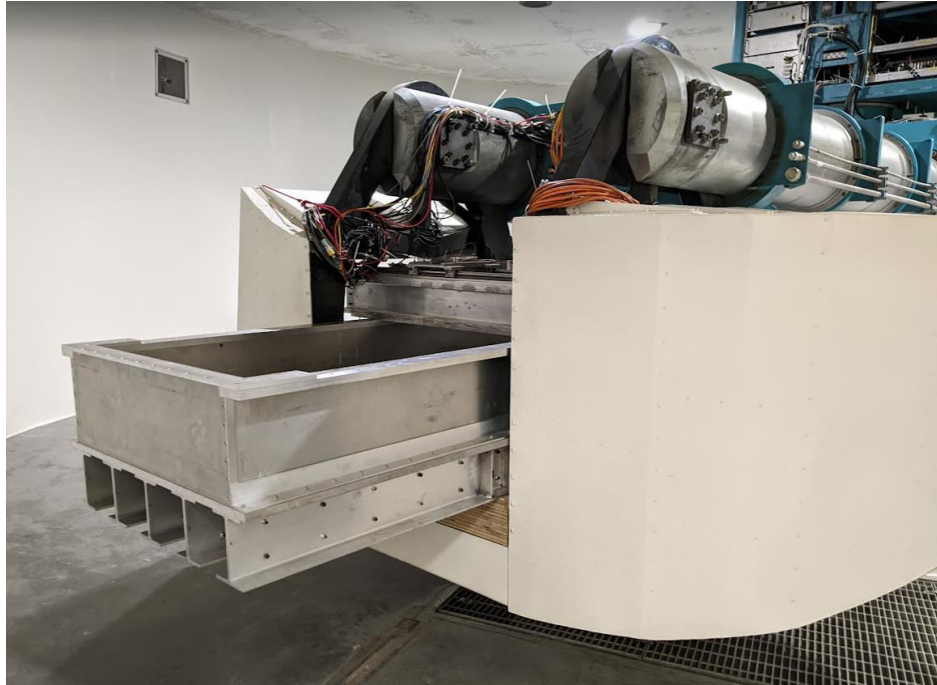


Figure 2

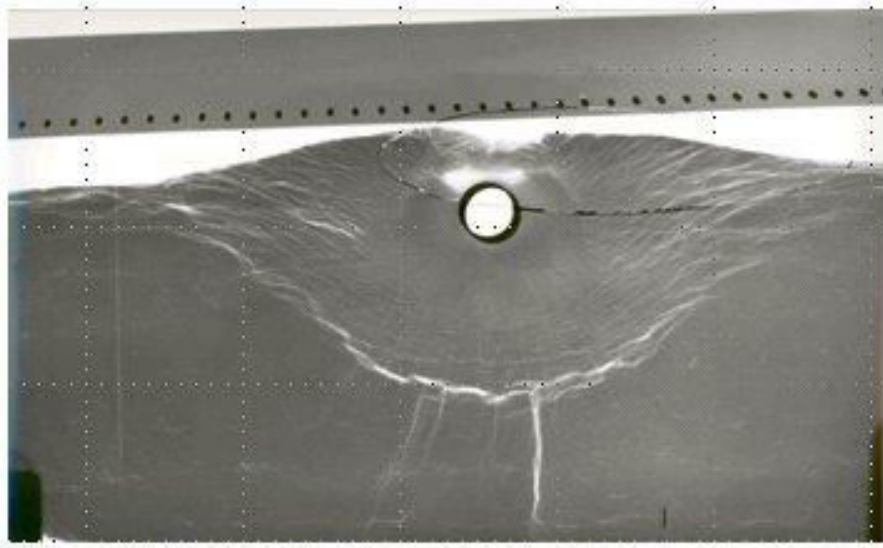


Figure 3

Key Personnel\_1: Dr Ryan Phillips

Job Title\_1: Director

Area Of Expertise\_1: Geotechnical Engineering

Key Person Email\_1: [ryan.phillips@c-core.ca](mailto:ryan.phillips@c-core.ca)

Key Personnel\_2: Gerry Piercey

Job Title\_2: Manager

Area Of Expertise\_2: Mechanical Engineering

Key Person Email\_2: [gerry.piercey@c-core.ca](mailto:gerry.piercey@c-core.ca)