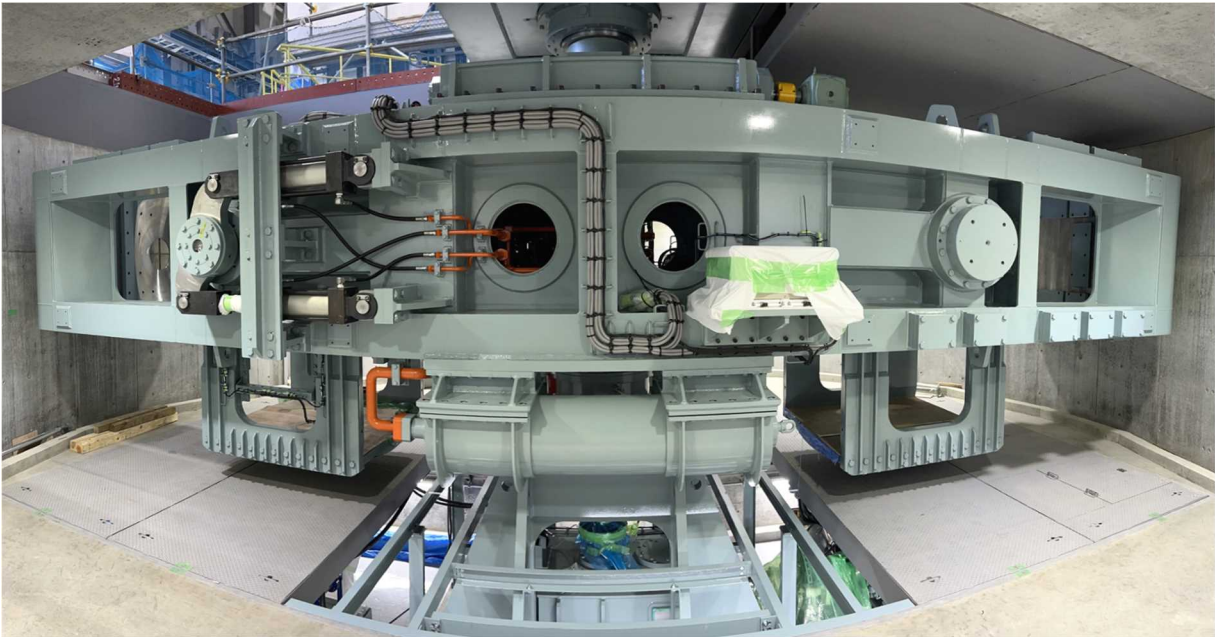


# Geotechnical Centrifuge at HAZAMA ANDO CORPORATION

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Location: 515-1, Karima, Tsukuba-shi, Ibaraki, 305-0822, Japan

## Introduction

HAZAMA ANDO's Geotechnical Centrifuge has maximum capacity of 200 g-tonne and a maximum centrifugal acceleration of 100 g at the radius of 3.5 m. Construction of the Centrifuge facility began in 2021, and operations will begin in September 2023.



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## Key Technical Specifications

Beam Centrifuge	
Manufacturer	Hitachi Industrial Products, Ltd.
Year established	2023
Radius to base of platform	3.5 m
Capacity	200 g-ton
Bucket area	L 1.2 m x W 1.2 m
Major equipment	Shaking table (capacity 370 kN @100 g, L 1.1 m x W 0.5 m) Measuring instruments (dynamic: 128 ch) CCD camera (2.1 million pixels or more) High speed camera (1.22 million pixels or more)

## Shaking table Specifications

One-dimensional shaking table	
Manufacturer	Hitachi Industrial Products, Ltd.
Table size	L 1.1 m x W 0.5 m
Maximum capacity	370 kN (100 g)
Centrifugal acceleration that can be excited	25~100 g
Maximum acceleration	50 g
Maximum speed	100 cm/sec
Maximum displacement	± 5 mm
Frequency	10~300 Hz