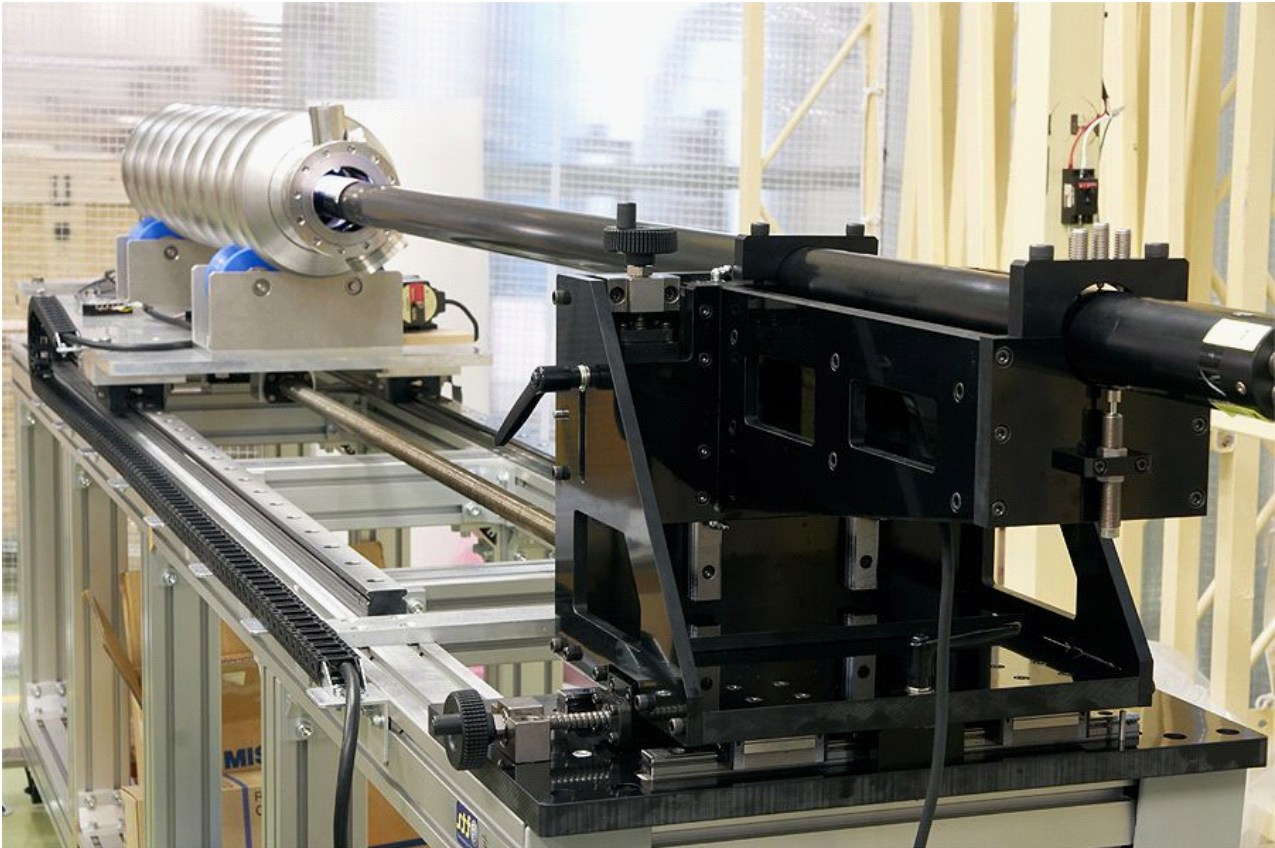


CavCam1

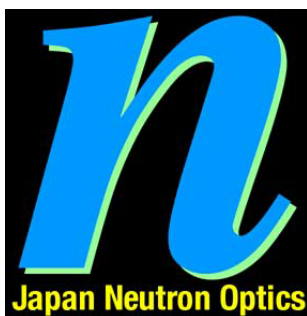
Camera to observe the appearance
of wall surface in the cavity



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Details of CavCam1 Module Package

1) CavCam1-Cylinder "Upper Module of CavCam1"

Weight < 20 kg

(1) Camera

Not less than 1.5m Pixel.

Better than 8microns/pixel.

Focus adjustable by movement of camera position

Camera interface card to PC

(2) Mirror

Adjustable tilt angle of the mirror by pulse motor.

(3) Illumination

Two strip EL sheet illuminations with 10x7 mm strips at both sides of camera window.

Semi-coaxial illumination by LED through the mirror.

The illumination housing slides with the mirror tilting angle synchronously.

(4) Illumination control box

Illumination on/off for 20 strips of EL and LED.

Illumination intensity for EL and LED are adjustable.

(5) Camera cylinder holder

Cylinder position adjustable in horizontal and vertical direction.

The cylinder tilting angle is also adjustable.

A built-in damper against the cylinder vibration.

(6) motor controller

2-ch pulse motor controller for focus adjustment and mirror angle adjustment

handy control terminal

2) CavCam1-Table "Lower module of CavCAM1"

(1) Table body

Width: 581 mm

Height: 1023 mm

Length: 2950 mm (table at operation), 2950 + 339 mm (including cylinder tail)
2090 mm (retractable for transportation)

Stroke: 1500 mm

Weight: < 230 kg

Cavity rotates by pulse motor.

(2) Rotary encoder for cavity rotation angle measurement

(3) Motor controller

2-ch pulse motor controller, handy terminal

(4) The camera cylinder holder sits on the table.