



COCAM-120

*Cobalt-60 based Industrial
Radiography Device*



Board of Radiation & Isotope Technology
(UNIT OF DEPT. OF ATOMIC ENERGY)
BRIT-BARC Vashi Complex, Sector-20 Vashi, Navi Mumbai 400 703.
www.britatom.gov.in



Technical Specifications

Model: COCAM-120

Isotope: Co-60

Half Life: 5.27 years

Gamma Energy Range: 1.17 to 1.33 MeV

Approx. Working Thickness for Steel: 40 to 200 mm

Device/Source Maximum Capacity: 120 Ci (4.44 TBq)

Exposure Device Details

Application: Industrial Gamma Radiography

Class/Category of Device: Mobile Type/ Cat. II Device

Shielding Material: Depleted Uranium, Tungsten & Lead

Outer Dimensions of the Device:

650 mm (L) x 370 mm (W) x 475 mm (H)

Weight of the Device: 316 kg

Outer Enclosure Dimension:

893 mm (L) x 618 mm (W) x 737 mm (H)

Weight of device with Outer Enclosure: 562 kg

Basic Design Standard

The device is designed, manufactured, tested & qualified as per Safety Code no. AERB/NRF-TS/SC-1, (rev-1), IAEA Safety Standards SSR-6; 2018, ISO 3999-1;2004 & AERB safety standard no. AERB/RF-IR/SS-1 (Rev. 1)

Type B(U) Certification: IND/40/B(U)-96

IGRED Type Approval: 18-COMSUPPTA-335710



Remote Control Cranking Device

*Cranking Device for Safe Remote
Operation of Industrial Gamma
Radiography Camera*



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Remote Control Cranking Device

Technical Specifications

Model: CDF-001

Type: Frame

Application: Remote operation of industrial radiography device

Material of Construction: Type 304 Stainless Steel & Aluminum

Weight of the Cranking Mechanism:- 7kg

Remote Control Cable Length: 9m

Remote Control Cable Protection:- 5 layer hybrid protection

Outer Diameter of Control Cable: 18 mm

Projection Sheath Length:- 1m & 3m

Salient Features

Compact & Lighter in weight

Easier to operate

Can be operated in any orientation

Near zero possibility of slippage

Basic Design Standard

The Remote Control Cranking Mechanism is designed & manufactured as per the ISO 3999-1;2004 & AERB safety standard no. AERB/RF-IR/SS-1 (Rev. 1)