ABPLASTECH

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SpectraCure IR-UV™ infrared and UV-C sterilization



The Roast-O-Dry™ drum with a UV-C stage added alongside the infrared, to reduce the microbial load on nuts, seeds and spices. The two stages run continuously and in synchronisation. No chemicals, no fumigants and no water.

IR + UV-C
Two stages in one drum, synchronised

Every face
Turned to the lamps, again and again

Auto stop
A failed lamp stops the feed

No chemicals
No fumigants, no water

Key features

- Combined shortwave infrared and UV-C sterilization in one machine — continuous and synchronised
- Rotary drum, first-in first-out
- PLC control with recipe storage per product
- Interlocked guarding — lamps cut when a door is opened
- Food-grade stainless steel contact surfaces
- Castor mounted with levelling feet — no civil foundation
- No chemicals, no fumigants, no water
- 415 V, 3-phase, 50 Hz

Sizes

Drum internal diameter	Drum length	Connected load
750 mm	1500 mm	25 kW
1000 mm	1500 mm	30 kW
1200 mm	1800 mm	60 kW

Specifications are varied to suit the application.

Rotary drum vs flat-bed UV-C sterilization

	Flat bed conveyor	Rotary drum
Presentation to the lamps	One face, whichever is uppermost	Every face, repeatedly
Self-shading	Pieces shade one another in a static bed	Material is re-presented continuously
Flow	Continuous	Continuous, first-in first-out
Floor area	Length set by dwell time	Length wrapped into the drum

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Illustrations are CAD renderings; accessories and fittings shown are illustrative and may not be standard equipment. Specification varies by model and duty and is confirmed only in our written offer. Performance figures are stated with the conditions they were measured at; results depend on your material, its moisture and bulk density, and the installation. Machines must be installed, operated and maintained as described in the manual supplied — guards and interlocks must not be removed or defeated.

Datasheet prepared from the machine page at abplastech.co.in/spectracure-ir-uv/. Specification is confirmed only in our written offer.