

Electron Beam Sterilization Equipment

10MeV, 20KW High Energy & High Efficiency



EBM MACHINE

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Why choose our electron beam sterilization equipment?

- 20 years experience
- 100% Penetration
- No BEAM LOSS
- 100% safe for MEDICAL DEVICE
- Full power consumption $\leq 115\text{kW}$
- Reduce 60% electricity
- 100% meet up 25kGy
- Own 18 radiation factories
- 90% own technologies
- More than 150 systems installed
- Klystron lifetime more than 20,000h
- Electron gun lifetime more than 30,000h
- Thyristor no lifetime limit
- Minimum shielding room footprint only 165m²

E beam sterilization equipment specification

Model	LMEB-10M (LA-II DZ10/20)
Output beam energy	10MeV
Output maximum beam current	2mA
Beam pulse width	8~16 μs binning switching
Pulse repetition rate	1~550Hz real-time adjustable
Electron beam scanning width	300 ~ 800mm
Energy instability	$\leq 5\%$
Scanning unevenness	$\leq \pm 10\%$
Beam instability	$\leq \pm 5\%$
Under-beam transport speed	1~15m/min
Power consumption at full power output	$\leq 115\text{ kW}$
Irradiation source	Electron beam
Beam power	20KW
Penetration	45mm ~500mm
Electron accelerator size	3*5*8.5m(L*W*H)
Electron accelerator weight	5 tons
Footprint	22*7.5*8m(L*W*H)
Lead time	10 months

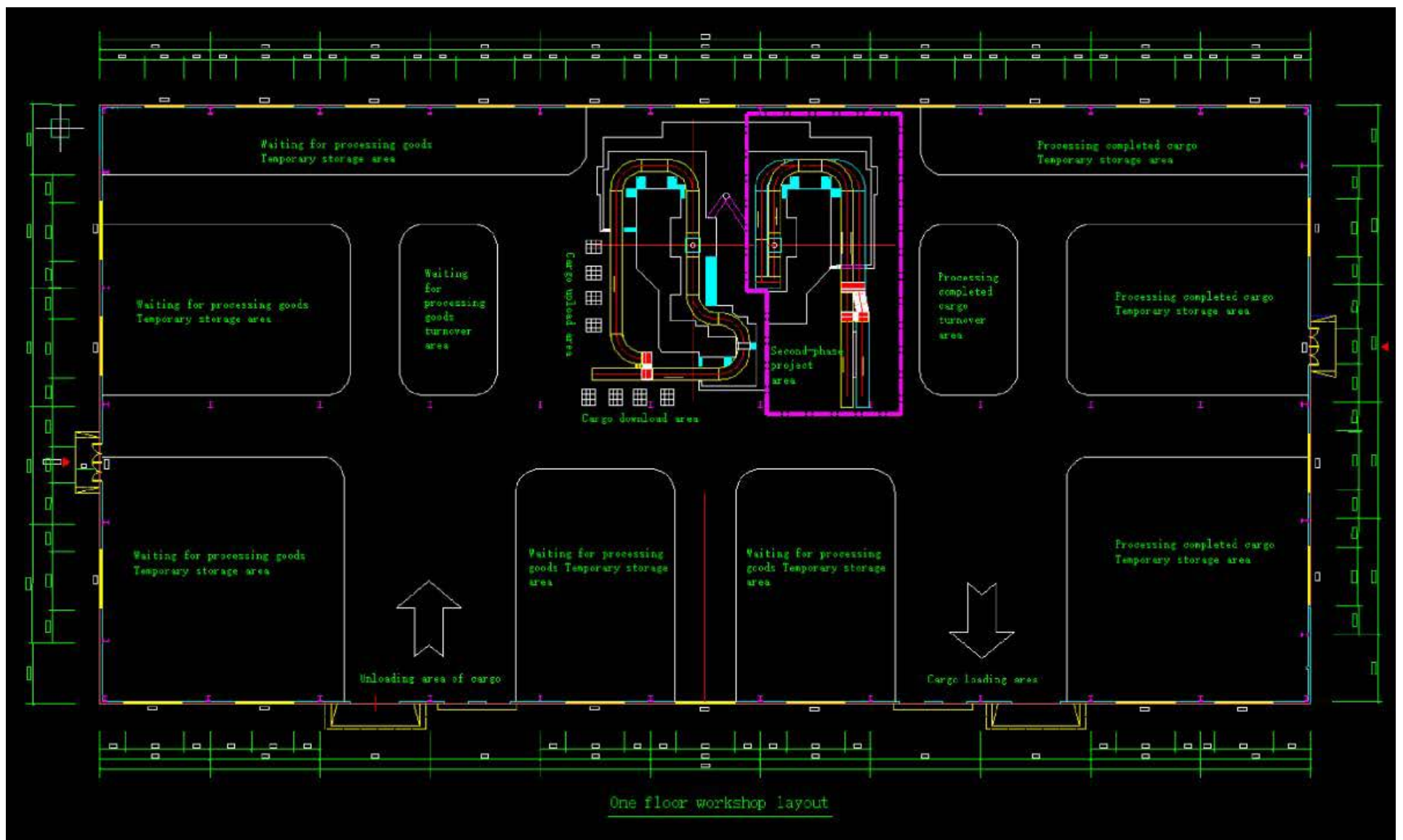
Electron Beam System



Electron Beam Irradiation Plant



Electron Beam Irradiation Plant Layout



What Type Products Can Use Electron Beam Sterilization Equipment?



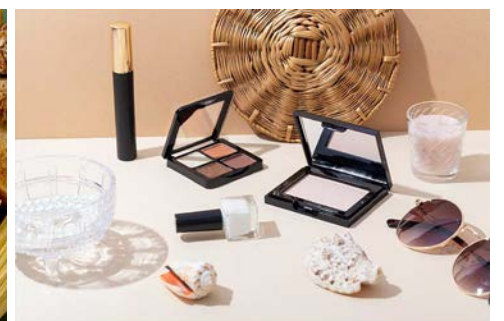
Medical



Pharmaceutical



Food



Cosmetics



Daily necessities



Plastic Product



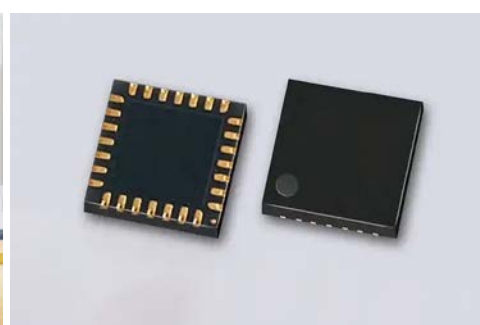
Herbal Medicine



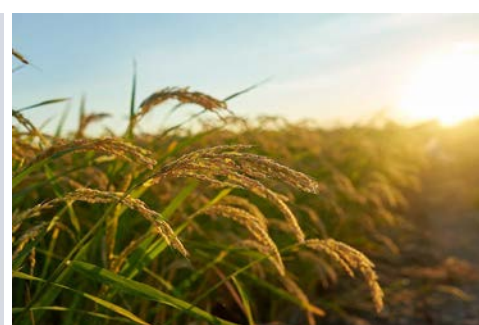
Toys



Soy Protein Isolate



Semiconductor



Agriculture



Packaging Materials