

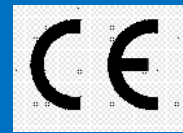


B L ENGINEERING
बी एल इंजीनियरिंग



BL-IWMS-100

*An Automatic Machine with Unique combination
of Mixture ,shredder and steriliser*



With International
Medical and
Pollution Control

**40+years of
Excellence in
waste
Management**

An Integrated system for Waste Management

	Manufacturer	B L Engineering
	Brand	Blutek
	Type/Model	BL-IWMS-100
	Country of Origin	India
	Description of Function	
	.	An Integrated treatment system. Breakage, Mixing, shredding, sterilizing to be carried out in same vessel. The process from the beginning of the cycle to discharging must be completely automatic with automatic lifting platform for easy waste loading
	Operational Functionalities	
		Must be integrated system in a single closed vessel where breakage, mixing, shredding, and sterilizing is carried out.
	System Configuration	
	.	Fully automatic medical waste management system, complete unit with all standard accessories
Technical specification		
4.1	Frictional Moist Heat	It consists of frictional moist heat technology (140°C - 150°C) without over pressure.
4.2	Close unit system	It is integrated system in a single closed vessel where breakage, mixing, shredding, and sterilizing is carried out.
4.3	. Automatic system	Fully automatic and odour control by enzymatic agent without chlorine based chemical
4.4	Load capacity (volume):	More than 800 Litre/ hour
4.5	Load capacity (Weight):	90-110 Kg per cycle
4.6	Waste Processing Cycle Time	The waste processing cycle time is 100-120 Minutes

	Ability to Process Medical Wastes like :	<ul style="list-style-type: none"> • Plastic Materials • Glass Materials • Single use surgical instruments and materials • PPE Material • Contaminated Sharps • Hemo dialysis Wastes • Blood Bags, Urine Bags • Anatomical and Pathological Wastes including Placentas,... etc • Paper, cotton and rubber disposals etc
	Waste Volume Reduction	70% - 80%
	Waste weight reduction	20%- 30%
	STAAT IV REQUIREMENT	It meets the requirement of STAAT IV level or higher (SAL of 10-6), final residue will be tested up and reported by third party laboratory upto 28 days no growth test report after the sterilization cycle.
	Safe Drain	The air/liquid (system waste) going out of the unit is also sterilized and safe to drain directly to the normal drain line for disposal.
	Chamber Material	Loading Chamber is constructed of Stainless Steel
	Shredder Information	<p>Treatment Chamber is vertical & constructed of Stainless Steel equipped with high resistant material.</p> <p>Waste shredder is single shaft with multiple blades with low speed and auto reverse system to avoid possible jam.</p> <p>Waste shredder is made of wear resistant alloys or stainless steel.</p>
	Chassis or frame	System Chassis & Bodywork is made of Corrosion protective Painted Steel or galvanized.
	System control	<p>It is equipped with automated system controls and alarms for overloading, overheating and/or other critical operating parameters.</p> <p>list of control and alarm systems available in machines are</p> <ol style="list-style-type: none"> 1. Over load 2. Low water level 3. High water level. 4. Pressure 5. Jam in shredder
		It have cycle traceability through computerized data and printout. Integrated in the System. Printed ticket or SD card for collecting data

		It have provision of at least 5000 data storage.
		It is equipped with system controls and alarms for overloading, overheating and/or other critical operating parameters
	Structure	Machine is supplied in Complete unit and with all supporting structures and all foundation bolting as required
	Water	City water supply ok
	Power Consumption	60 kw/h (approx.)
	Accessories, spares and consumables	
		<p>All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, will be supplied along with machine.</p> <p>The Name and quantities are</p> <ol style="list-style-type: none"> 1. Solenoid Valve 2. Overload relay 3. Contactor 4. Heater 5. Door knobs.
	Operating Environment	
		The system offered is designed to operate normally under the conditions of the Asia. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
	Power supply	: 380-415 V, 50 Hz, 3 Phase-fitted with appropriate plug. The power cable must be at least 3 metre in length.
	Standards and Safety Requirements	<p>BL Engineering Maintain following standards</p> <ul style="list-style-type: none"> • EN-285:2015, • EN-12469:2000 , • ISO 20857:2010, • WHO-GMP Certification, • RoHS Directive (2002/95/EC) , • Electrical Safety Standards Conforming to IEC 60601, Contamination Clearance Certificates(Undertaking),

		<ul style="list-style-type: none"> • EN 61010-2-040 :2020 For Safety requirements for electrical equipment for measurement, control and laboratory use • ISO 17665-1:2006 Sterilization of Health Care Products • ISO 450001:2018 For occupational Health and Safety management System • GMP : Goods manufacturing Practice • ISO 9001:2015 QMS • ISO 14001:2015 For Environment Management System • EN:60601 • ISO13485:2016 Quality Management system for Medical Devices • ISO 13485:2003/AC:2007 • CE (93/42 EEC Medical device Directives • U.S. FDA (FDA Regulatory Guideline for Scientific and Medical Instruments) <p>And Many other Certifications</p>
	Warranty and Maintenance	Described Warranty Policy in Warranty Manual also Extended Warranty through AMC can be avail

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