

inimum mandatory technical requirements		Technical requirements offered
Description: The device combines two functions: steam sterilization + shredder, in a single vessel (chamber), intended for on-site handling of biological/hazardous waste. The processing is in a single continuous automatic cycle. Finally, the waste becomes completely non-hazardous, which allows disposal as regular waste.		Model: _____MCDS-150B_____
		Producător: __ WANROOE MACHINERY CO.,LTD_____
parameter	Specificația	[to be completed by the Supplier]
Loading	Vertical	yes
For devices requiring high loading, automatic loading shall be provided.	mandatory	yes
Interior construction, sterilization chamber, generator	made of corrosion and pressure-resistant stainless steel according to the Pressure Equipment Directive (PED-2014/68 / EU)	Following China pressure vessel standard
Integrated shredder or equivalent for shredding waste	mandatory	yes
Loading volume	≥ 150 liters	yes
Waste treatment capacity	≥30kg/hour	yes
Temperature range:	minimum 134 °C	yes
The door shall be designed with a safety system to prevent user injury	mandatory	yes
Sterilization procedure:	- - with internal steam generator, or	External steam generator
Equipped with vacuum pump	mandatory	yes
Equipped with water pump to fill the steam generator	mandatory	yes
The system shall include an air compressor		yes
Steam cooling system for the drainage system	yes, oil-free	Water circulation system and steam cooling system. Add water tank, valve, cooling system , pipeline USD3200
The system shall have bio-filters or equivalent filtration method that exhausts the air from the sterilization chamber without harmful emissions.	mandatory	yes 

Minimum alarms:		
Door open	Acoustic or visual Romanian or English	English
Pressure error		
Temperature error		
Interface and menu language	mandatory	yes
Minimum 3 preset programs	optional	yes
User-configurable parameters	mandatory	yes
Leak test	mandatory	yes
User-configurable sterilization regime	Microprocessor	yes
Electronic control	optional	yes
Remote control or monitoring possible	for the sterilization chamber	Remote control in the same workshop including computer, printer 35000USD, remote monitoring 2000USD
Pressure sensors	mandatory	yes
Self-cleaning	mandatory	No, as the autoclave with built-in shredder, meaningless to including self-cleaning, it is better for cleaning manually.
The device must be equipped with an emergency stop button on the front panel	mandatory	yes
Thermal or inkjet printer	on LCD screen	Thermal printer
Process monitoring	temperature in the sterilization chamber	yes
Real-time monitoring Type of data printed on paper	pressure	yes
	sterilization cycle graphs	yes
	date	yes
Door open Pressure error Temperature error Interface and menu language	time	yes
	temperature	yes
	pressure	yes
	380V, 50 Hz	yes
Minimum 3 preset programs	Acoustic or visual	yes
Security		
Certified according to Electrical Safety Standard EN 60204-1	mandatory	yes
Overpressure safety	mandatory	yes
Overheating safety	mandatory	yes
Equipped with safety valve	mandatory	yes

张家港市万容机械有限公司
WANROOE MACHINERY CO., LTD.
刘晓燕

External surfaces accessible to the operator do not overheat during normal operation.	mandatory	yes
Installation conditions		
The autoclave should be connected to the necessary pipes: water, sewage, electricity and ventilation, etc. as appropriate	mandatory	yes
Complete water treatment system, consisting of: pre-filtration in at least 3 stages with control pressure gauges, softening, reverse osmosis system with purified water tank ≥100L.	mandatory	yes 150L/hour, water tank 200L 2500USD 
Consumables and accessories		
Cărucior/ sertar/ ladă pentru scoaterea și transportarea a deșeurilor tratate	Trolley/drawer/crate for removing and transporting treated waste	yes
Door seal	≥4 pcs., indicate product code	MCDS-150B-door seal
Seal lubricant	≥2 pcs., indicate product code	No need
Filters for the Bio-filter system or equivalent filtration method that exhausts air from the sterilization chamber without harmful emissions	include all filters necessary for the proper functioning of the autoclave for the period of 24 months	Yes With extra cost 1200USD
Filter set for water filtration system	all filters necessary for the proper functioning of the autoclave for a period of 24 months must be included	600USD
Printer paper & printing supplies	- 30 pcs., indicate the product code; - ink cartridge in	Free 

	the case of non-thermal printers, indicate the product code; - and/or other consumables necessary for printing.	
Other consumables/accessories required for system operation	a complete list of consumables and accessories will be presented, and the supplier will ensure their delivery in sufficient quantities for the entire warranty period.	BD test kits(1 pcs per day, before first batch, one BD test program test running), pressure steam sterilization indication card for 134 degree(each cycle 1 pcs) 365*2=730 BD test kits 2920pcs card if one day 8 batch, and 2 year for 5840 cards total 4000USD
Additional requests:		
he operator must have at least one trained and certified engineer for this device, responsible for its proper maintenance and operation.	Certificate to be presented	yes
The system must be delivered, installed and put into operation at the location designated by the beneficiary.	Mandatory	yes
New (unused) device, year of device manufacture	not older than 2025	yes
User Training	The training will include: *essential moments for cleaning, disinfection and maintenance of the device set with all available components; *complete start-up cycle, use in all available modes, shutdown and preparation for the next use cycle. *safety precautions when	yes 

	using the device with all available components;	
Warranty	minimum 24 months	
Warranty Work	During the warranty period, planned inspections / preventive maintenance and calibration will be organized according to an established schedule, throughout the warranty period, preventive maintenance work will be carried out by the qualified engineer	yes
Quick Start Guide	yes, on paper and in electronic format	yes
Instructions for Use	In the state language (on paper and/or in electronic format)	yes
Service Manual	In English (on paper and/or in electronic format)	yes
Accessories and Consumables Catalog	yes, in electronic format	yes

