




To whom it may concern

- The Truster T series line is a spin-off of our SLS series saturated steam sterilizers for laboratories; certified by RKI Robert Koch Institute and Laboratory ARCHA
- The T25 truster model has a processing capacity of 25-35 kg/h depending on the physical characteristics of medical wastes, like bulk density, composition and moisture content. In medical waste processing, the weight processed per hour is a variable—not a constant—because the machine processes **volume (Liter, m³)**, while success is measured in **mass (kg)**.
 - **Bulk Density:** *Example:* A bag filled with empty plastic syringes or Personal Protection Equipment (PPE) like gowns, masks, gauzes (low density) take up more space in the shredder than a bag of heavy liquids or metals (high density).
 - **Moisture Content:** *Example:* The device uses steam to sterilize the waste. Wet waste has a higher thermal mass and takes slightly longer to reach the required sterilization temperature.
 - **Material Composition:** *Example:* Tougher materials (dense plastics vs. soft fabrics) affect shredding speed.
 - Below is the "Average Throughput" of the offered device:

Waste Type	Throughput	Impact on Processing Capacity
Heavy/Dense (Sharps, Liquids)	~35 kg/h	Exceeds 30 kg/h target
Standard Mixed (Standard Medical)	~30 kg/h	Meets 30 kg/h target
Light/Bulky (PPE, Dressings)	~25 kg/h	High volume, lower mass

- It features a combined shredding and sterilization process to ensure the sterilization of infectious waste;
- The treatment takes place in a hermetically sealed environment, eliminating the risk of aerosol transmission and the emission of unpleasant odors;
- It features extremely effective mechanical shredding to reduce waste into small, unidentifiable pieces, allowing steam to penetrate during the sterilization process and eliminating the risk of biological contamination or transmission of infections;
- It has a device (incinerator) that sterilizes the air removed from the chamber beforehand to avoid the risk of environmental contamination;
- The sterilizer-shredder is managed by the SIEMENS ET200SP controller with independent program blocks (the first for the process and the second for recording), both operating simultaneously so that their correct functioning can be confirmed. At the same time, SIEMENS SIMATIC HMI Panel is used for operator control and monitoring, through the color touch screens with the diagonal of 17”;
- The remote-control option through Ethernet RJ45 port is included in the offered configuration of device;
- The device has “self-cleaning” function within which the “self-sterilization” cycle of the chamber takes place at 134°C/140°C;
- The surfaces to be insulated have been designed to ensure perfect adhesion of the insulating material and eliminate possible conduction to other external and internal parts of the equipment in compliance with the reference standard, which specifies a maximum external temperature of 45°C.

- The following consumables are included in the offered configuration of T25 model:

Picture	Description	QTY
	Door Gasket	4 units
	Autoclave Door Lubricant	2 units
	Thermal Printer Rolls	30 units

- The device answers to the following standards:
 - EN 61010-1 (93) -A2 (95), IEC 204.1, EN 61010-2-041 (96), EN 60204-1 Equipment classification: class I type B;
 - All the electrical components of leading brands worldwide are mounted connected to a terminal block and enclosed in a cabinet with IP55 protection, with the exception of the command and control components, which are provided on the facade;
 - CE marked according to the European Directive 2006/42 / EC for Machinery and the European Directive 2014/68 / EU as pressure equipment (PED) and the European Directive 2009/125 / EC as eco-friendly design (ERP);
 - It also complies with the European Directives: 2014/35 / UE for Low Voltage and 2014/30 / UE for Electromagnetic Compatibility;
 - The construction is done in compliance with the European reference standards UNI EN ISO 285: 2016 (large steam sterilizers) and those connected to it UNI EN ISO 17665-1: 2016 (development, validation and routine tests), IEC EN ISO 61010-1: 2013 (electrical safety for electronic equipment), IEC EN ISO 61010-2-040: 2015 (requirements for medical material sterilizers), UNI EN ISO 15614-1: 2012 (qualification of welding procedures), UNI EN ISO 9606-1: 2013 (welder qualification), UNI IEC EN ISO 17050-1: 2005 (conformity assessment) and EN IEC 62304: 2006 (software validation);
 - The certification for the Quality System UNI EN ISO 9001: 2015 (quality management system), UNI EN ISO 13485: 2016 (quality management system for medical devices);

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