

# PRE SHREDDING SYSTEMS FOR HOSPITALS

## MEDICAL WASTE STERILIZATION SYSTEM WITH PRE SHREDDED AUTOCLAVE METHODS

Two different capacity sterilization systems for specific customer needs

Manual loading into hopper with small bags.

Automatic unloading option

High quality materials.

Full automatic and advanced automation control system with pressured direct steam sterilization

Advanced reporting and monitoring features

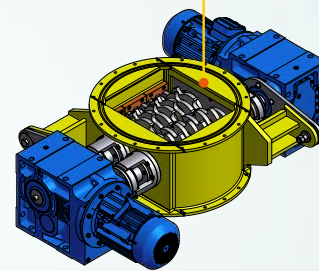
High standard of sterilization meeting requirements by regulations

Turnkey solutions including shredders, autoclave trolleys, steam generators, air compressor systems

Special gasket system for perfect vacuum and pressure conditions

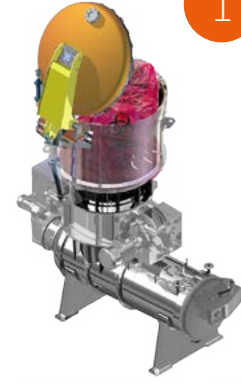
Multiple safety control devices and built with highest safety standards

Design and manufacturing with international standards including CE, ASME, GOST-R



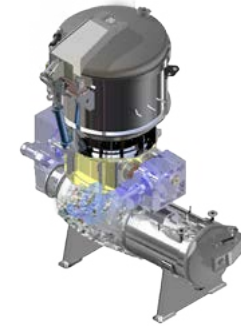
## DESCRIPTIONS

	AKR50L	AKR100L
Sterilization Capacities (kg/h)	50	Up to 200 kg/cycle
Process Method	Full Automatic (Loading is manual), Pre-shredding, Pressured, Steam Sterilization	
Pressure Vessel and Shredder Hopper Materials	Stainless-steel AISI 316 L	
Pressure Vessel and CE Certification	Bureau Veritas	
Total Weights (except steam boiler and compressor)(kg)	2.500	3.000
Feeding Unit's Volume (lt)	200	200
Sterilization Vessel's Volume (lt)	450	600
Waste Feeding System	Automatic and manual options	
Feeding, Discharging Door System's Opennig/ Closing, Locking/Unlocking	Automatic	Automatic
Total Design Power (Excluding Steam Generator and Compressor) (kw)	18	18
Dimensions (Width x Length x Height) (mm)	2000x1500x3000	2500x2000x3000
Shredder's Electric Motor Power	4kW x 11kW	4kW x 11kW
Feeding, Discharging Door Design Method	Bayonet	Bayonet
Automatic Weight System	Optional	Optional
Shredder Type : Double Axle, Separated gearbox for each axle	✓	✓
Programmable Auto Reverse Control System for Shredder	✓	✓
Waste Mixing and Discharging System : Archimedes Screw (Hardox 500)	✓	✓
Sterilization Temperature : 135-140 C	✓	✓
Sterilization Pressure : 3-5 bar (Programmable)	✓	✓
Vacuuming : Venturi System or Vacuum Pump	✓	✓
PLC & Automation System : Siemens S7/300, Touch Panel, Simatic Software,	✓	✓
Programme Uploads and Long Distance Remote System with Internet Connection	✓	✓
Monitorization, Report Data Saving: Coloured Display, Turkish or English Menu	✓	✓
Data Save and Print-out System for Reporting	✓	✓
2" Double Condensate Discharge	✓	✓
CE Certified	✓	✓



1

**Waste loading**  
Manual loading with small bags.



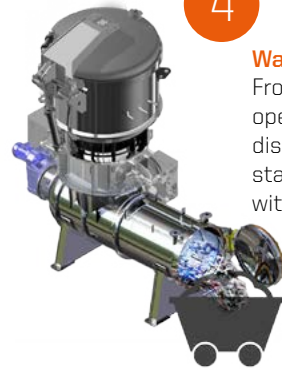
2

**Shredding**  
Automation control with current when system locked. Autoreversing screw steps can be programmed for different capacity models.



3

**Sterilization**  
Full automatic mode during vacuuming, steam charging and depressurising .Automatic water discharging.



4

**Waste Discharging**  
Front door will be opened and waste discharge will be started automaticly with screw.



**AKAR MAKİNA SAN. ve TİC. A.Ş.**  
A : Organize Sanayi Bölgesi 14. Cd.  
No:8 26110 Eskişehir / TURKEY  
T : +90.222 236 17 00  
F : +90.222 236 17 02  
E : info@akarmak.com.tr

**İSTANBUL OFFICE**  
A: Yenışehir Mahallesi Osmanlı  
Bulvarı No:2A D:51  
Kurtköy / Pendik / İstanbul  
T: +90.216 504 47 39  
F: +90.216 504 47 42



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