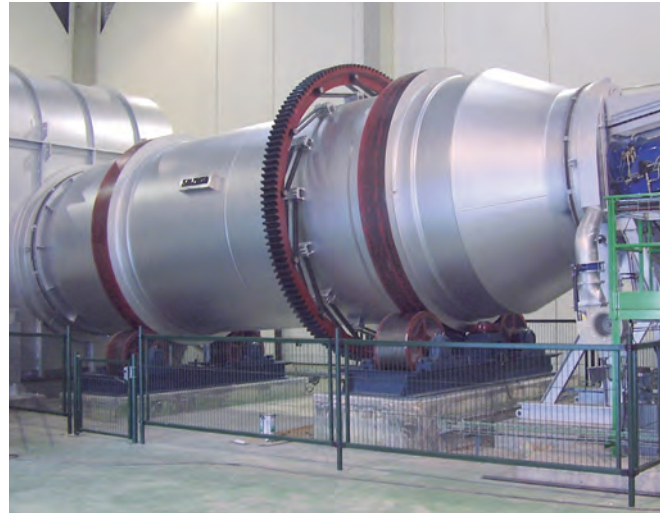


WASTE TO ENERGY



■ CONTINUOUS ROTATORY KILNS

KR continuous rotary kilns stand out for their sturdiness and versatility. Designed to thermally destroy a wide range of solid and pasty waste, such as hospital waste, hazardous waste or R.D.F.



	KR-20.000	KR-30.000	KR-40.000	KR-70.000
Destruction capacity (kg/h)*	600-900	900-1.500	1.500-2.500	2.500-4.000
Chamber volume (m ³)	20	30	40	70
Recoverable energy (KW)*	1.500-2.500	2.500-4.500	4.500-6.500	6.500-10.500

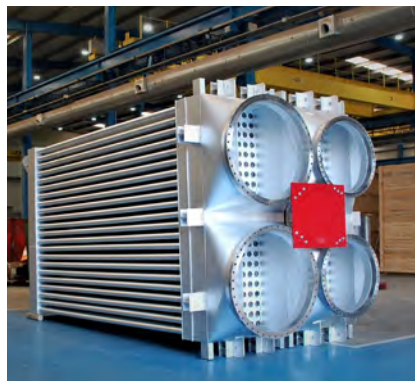
*Approximate values: final value based on the residue's LHV

Valorization facilities are designed to work uninterruptedly 330 days a year. Beside the kiln, the main components are:



■ FEEDING SYSTEMS

- Container elevator
- Worm drive
- Mud pump
- Liquid injection spear



■ ENERGY RECOVERY

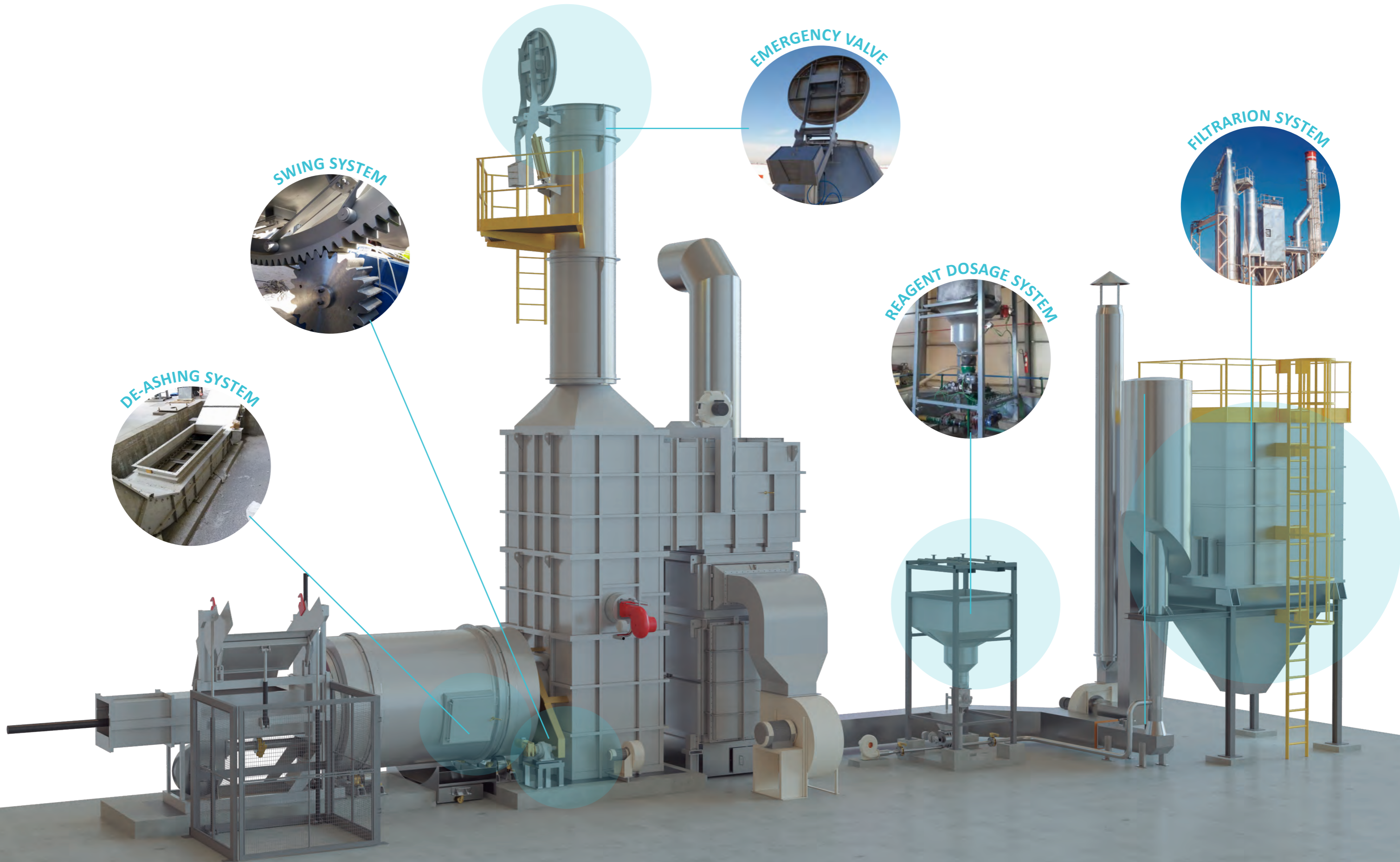
- Water steam, hot water or thermal oil boilers
- Electric turbine
- Heatexchanger gases-air
- Leachate quench



■ GAS CLEANING DEVICES

- NOx reduction system
- Reagent dosage system
- Chemical reactor
- Bag filter

WASTE TO ENERGY FACILITY



■ STATIC KILNS

KL static kilns are specially designed for the thermal destruction of pumpable liquid waste: oils, solvents, leachates, contaminated water, etc.



	KL-2500	KL-12.500	KL-20.000	KL-35.000
Destruction capacity (L/min)*	3-5	15-20	30-35	50-55
Chamber volume (m ³)	2,5	12,5	20	30
Recoverable energy (KW)*	500-750	1.500-1.750	2.500-2.750	4.000-4.500

*Approximate values: final value based on the residue's LHV



■ INJECTION SPEAR

Injection spears vary depending on the viscosity, flow rate and other characteristics of the waste. One or more lances can be installed for better control of incineration.



■ ENERGY RECOVERY

Energy recovery systems can be installed to valorize the gases that are exhausted from the kiln at high temperatures.

KALFRISA

360°

EXPERIENCE
KNOWLEDGE
IMPLICATION

The knowledge and expertise we have acquired over more than 50 years of experience working with waste recovery equipment means that we offer our customers reliable, cost-effective solutions.

Our equipment is approved, authorised and certified to EC standards. Furthermore, for its ongoing commitment to innovation Kalfrisa has received the INNOVATIVE SME award from the Spanish Ministry of Science and Innovation.

Providing a 360° service is the key to competing for European market leadership. KALFRISA has its own proprietary technologies, and it designs, develops, manufactures, commissions and provides technical after-sales service for its equipment. Experience, expertise, and involvement are the three pillars on which we base our activities.

Kalfrisa guarantees an optimal match of its equipment to customers' requirements, adapting its designs to meet the different technical specifications of each project. Kalfrisa's commitment to excellence is underpinned by ISO 9001:2015 quality certification as well as the implementation of a work philosophy based on external and internal quality standards.



GUARANTEE FOR A BETTER PERFORMANCE OF YOUR FACILITIES

■ TECHNICAL ASSISTANCE AND REPAIR

Maximum expertise and certified procedures. The professionals who have designed and manufactured your equipment are there to support you, with the guarantee of highly trained, qualified technicians.

Only original spare parts are used.

Swift remote response to any incidents.

Fault/malfunction reporting with rapid diagnosis and on-call telephone service 365 days.

■ PREVENTIVE MAINTENANCE CONTRACT

Scheduled en-route visit protocols throughout the whole territory, periodic inspections to ensure functional continuity, check-up visits and priority attention to reports of faults/malfunctions, allowing swift diagnosis.

■ WE ARE CONNECTED

Which means we have real-time information on the operation of your facilities which is crucial for preventive measures or for immediate intervention with the assessment and aid of our experts.

INDUSTRIAL ASSEMBLY AND INSTALLATION

Our engineering department analyses the requirements of each Project to tailor and dimension the correct solution exclusively for each individual customer.

We carry out the assembly, installation and other works required to ensure that the machinery is up and running in optimum conditions.

Our team can provide preventive maintenance of facilities and regular servicing to ensure maximum performance.



KALFRISA

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