

HARMONY BETWEEN HUMAN AND NATURE
澄露·人与自然的和谐



CHENGLU ENVIRONMENT

Domestic
garbage intelligent
continuous treatment system
生活垃圾智能化连续处理系统



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扬州澄露环境工程有限公司
Yangzhou ChengLu Environmental Engineering Co.,Ltd.

終身學習 持續創新
CONTINUOUS LEARNING AND INNOVATION

成露



COMPANY PROFILE

企业概况

扬州澄露环境工程有限公司具有三十多年环保行业从业经历，是国内专业从事水处理及固废处理领域的先行者之一。公司凭借特色含油污水处理技术与环保工艺设计能力，在石油石化市场取得优良业绩，产品远销伊拉克、伊朗、阿尔及利亚、哈萨克斯坦、土库曼斯坦、文莱等国家。公司拥有47项水处理和15项固废处理自主知识产权。

公司与生态环境部华南环境科学研究所、清华大学、浙江大学等科研院所进行长期技术研发合作。在广泛吸收国内外先进工艺技术的基础上，我公司研发了一种新型的生活垃圾智能化连续处理系统。该系统具有自动化程度高、占地面积小、建设周期短、适用范围广、工作环境舒适等优点，可广泛应用于村镇牧场、旅游景区、港口岛屿、军营军港、机场高速、油田矿场、应急救援、海关检疫、工业园区等区域的生活垃圾处理。

澄露环境奉行“终身学习，持续创新”的进取精神，以优秀的专业团队和管理团队为依托，为客户提供全方位的解决方案。公司致力于生态环境的改善，实现人与自然的和谐。

Owing more than 30 years of experience in environmental protection industry, Yangzhou Chenglu Environmental Engineering Co., Ltd is one of the pioneers in the field of water treatment and solid waste treatment in China. Relying on the characteristic oily sewage treatment technology and environmental protection process design capability, we have got excellent achievements in the petroleum and petrochemical industry, products are exported to Iraq, Iran, Algeria, Kazakhstan, Turkmenistan, Brunei and other countries. Till now we have got 47 water treatment and 15 solid waste disposal independent intellectual property rights.

Our company has long-term technical cooperation with South China Institute of Environmental Science, MEE, Tsinghua University, Zhejiang University and other research institutes of the Ministry of Ecology and Environment. On the basis of widely absorbing advanced technology in domestic and abroad, our company has developed a new type of domestic garbage intelligent continuous treatment system.

The system has the advantages of high automation, small occupation of area, short construction period, wide application scope and comfortable working environment. It can be widely used for domestic waste treatment in villages and towns, pastures, tourist attractions, ports, islands, military camps & ports, airports, expressways, oil fields and mines, emergency relief, customs quarantine, industrial parks and other areas.

CEEC pursues the spirit of "lifelong learning, continuous innovation", relying on excellent professional team and management team, provides customers with comprehensive solutions. Our company is committed to improving the ecological environment and achieving harmony between human and nature.

QUALIFICATIONS AND HONORS

资质 荣誉



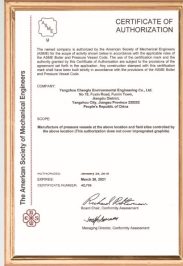
环境工程设计乙级证书



环境污染治理能力评价乙级证书



环保工程专业承包贰级证书



ASME 认证证书



压力容器制造许可证



质量管理体系认证证书



环境管理体系认证证书



职业健康安全管理体系认证证书



高新技术企业证书



中国环境保护产业协会理事证书



江苏省环境保护产业协会理事证书



企业AAA资信等级证书



企业重合同守信用公示证书



高新技术产品认定证书



年度环保实用新技术认定证书



江苏省首台(套)重大装备产品认定证书



软件产品认定证书



中国驰名商标



VISIT AND INSPECTION

参观指导

朋聚四海

海纳百川

澄露技术与世界同步

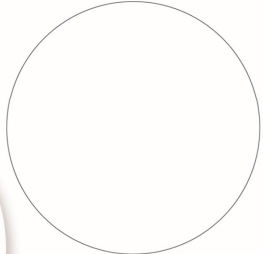
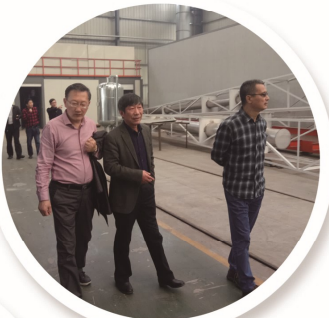
澄露成长与社会同行

Friends come from all over the world

All rivers run into sea

ChengLu technology keep the pace with the world

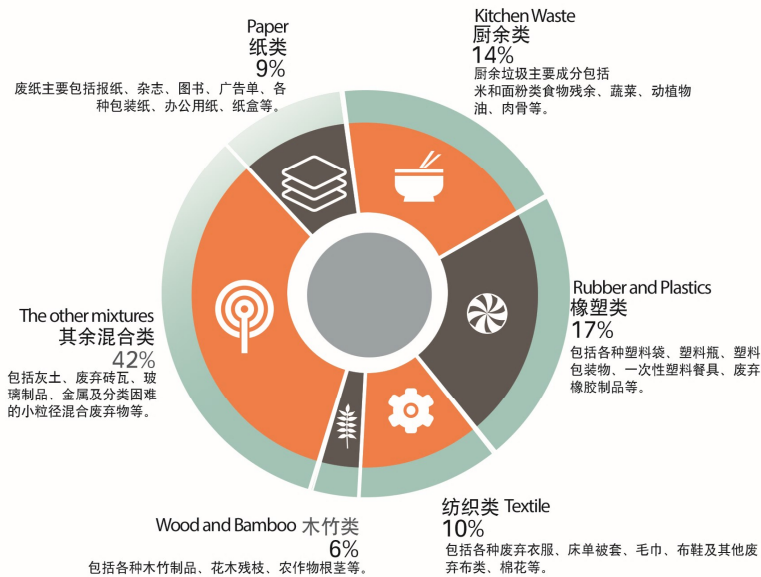
ChengLu progress walk with the society



PRODUCT RESEARCH AND DEVELOPMENT

产品研发

GARBAGE COMPOSITION 垃圾组分



CHARACTERISTIC ANALYSIS 特性分析

垃圾特性分析										
分析项目	工业分析 (单位: %)			元素分析 (单位: %)					低位热值 Qar (kcal/kg)	
	水分 Mar%	灰分 Aar%	挥发分 Var%	固定碳 Fcar%	碳 Car%	氢 Har%	氮 Nar%	硫 Star%		氧 Oar%
分析数值	41.51	30.96	24.91	2.62	13.89	1.98	0.67	0.27	10.79	1234.93

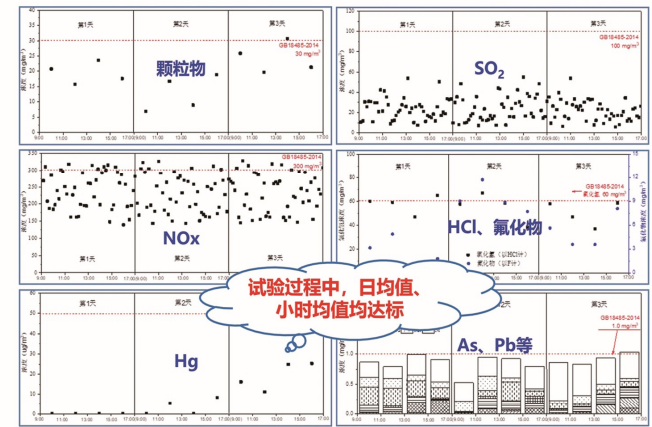


热解气化工艺能够有效抑制二噁英等污染物的生成。
Pyrolysis gasification process effectively inhibits the generation of pollutants such as dioxin, etc.

"3T+E" 运行工艺配合多段供氧燃烧技术, 为烟气净化保驾护航。
The "3T+E" operation technology combined with multi-stage oxygen supply and combustion technology will ensure flue gas purification.

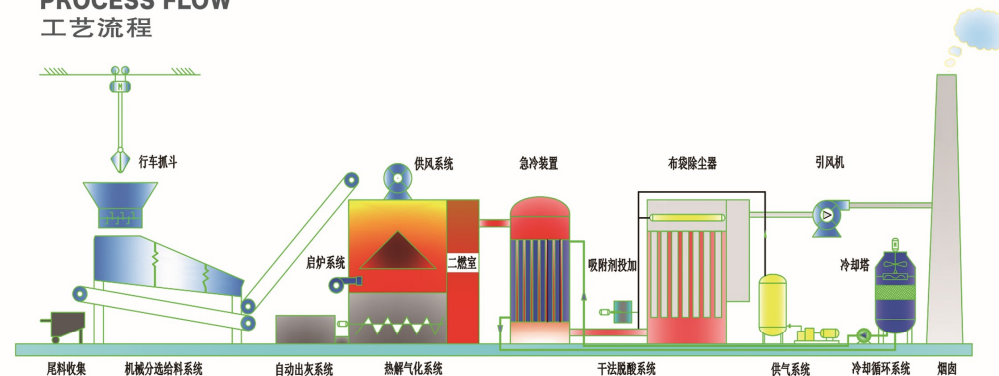
干法脱酸工艺完全满足系统的脱酸需求, 同时避免了污水的产生。
The dry deacidification process completely meets the deacidification requirements of the system and avoids the generation of sewage at the same time.

优质的除尘布袋和吸附剂是确保烟气稳定达标排放的基础条件。
High quality dust bag and adsorbent are the basic conditions for ensuring stable emission of flue gas up to standard.



烟气处理组合工艺净化试验
Purification test of flue gas treatment combined process

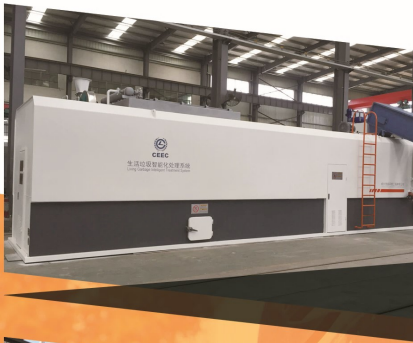
PROCESS FLOW 工艺流程



PRODUCT RESEARCH AND DEVELOPMENT

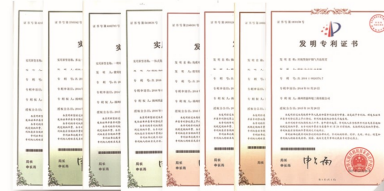
产品研发

PRODUCT PICTURES
产品图片



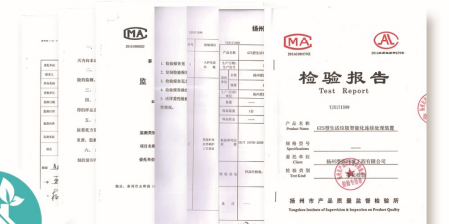
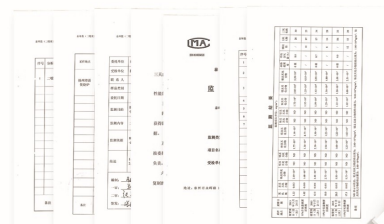
RESEARCH AND DEVELOPMENT RESULTS

研发成果



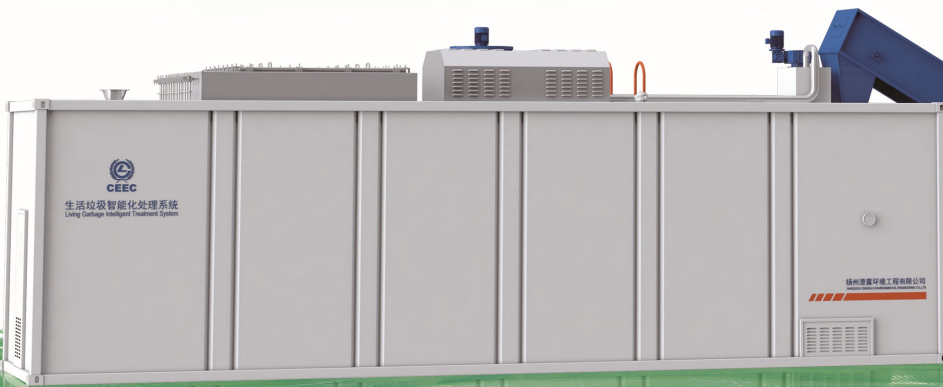
TEST ANALYSIS

检验分析



SYSTEM CONFIGURATION 系统配置

- ④ **标准配置:** 行车及抓斗、机械分选系统、机械给料输送系统、尾料收集系统、热解气化系统、供风系统、供气系统、启炉系统、冷却循环系统、自动出灰系统、烟气深度净化系统、自动控制系统、实时监控系统。
- ④ **可选配置:** 云端数据传输系统、臭气处理系统、飞灰固化装置、燃油添加输送装置、便携式设备维保工具。
- ④ **Standard configuration:**
 Bridge crane and grab, mechanical separation system, mechanical feeding and conveying system, tailings collection system, pyrolysis and gasification absorption system, air supply system, gas supply system, start-up system, cooling circulation system, automatic ash extraction system, flue gas deep purification system, automatic control system, real-time monitoring system.
- ④ **Optional configurations:**
 Cloud data transmission system, odor treatment system, fly ash solidification device, Fuel adding and conveying device, portable equipment maintenance tools.



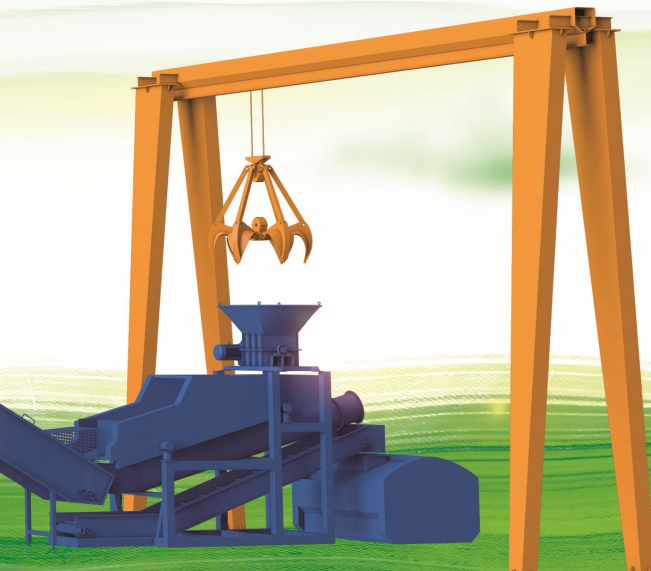
STATIONARY DOMESTIC GARBAGE INTELLIGENT CONTINUOUS TREATMENT SYSTEM 固定式生活垃圾智能化连续处理系统

项目 (ITEM)	性能参数 (INDEX)		
日处理量 (Capacity per day)	5t/d	10t/d	20t/d
装机容量 (Installed capacity)	40kw	50kW	60kW
设备电耗 (Power consumption)	16度/小时 <small>(16 kilowatt-hour per hour)</small>	20度/小时 <small>(20 kilowatt-hour per hour)</small>	36度/小时 <small>(36 kilowatt-hour per hour)</small>
启炉燃油量 (Starting fuel consumption)	10公斤/次 <small>(10 kg per time)</small>	12公斤/次 <small>(12 kg per time)</small>	20公斤/次 <small>(20 kg per time)</small>
物料含水率 (Material moisture content)	≤ 50%		
体积减量比 (Volume decrease ratio)	≤ 95%		
建筑面积 (Building area)	450 m ²	450 m ²	500 m ²

本公司因产品更新升级，保留表中数据变更权，如有数据变更概不通知。表中数据为本公司标准产品配置参数，根据应用区域自然条件与垃圾特性，配置参数需要调整。本公司可根据客户的不同需求，提供个性化的设计、配置与服务。

Our company reserves the right to change the data in the table due to product updates and upgrades, and will not notify any data changes.

The data in the table are the company's standard product configuration parameters, which need to be adjusted according to the natural conditions and garbage characteristics of the application area. Our company can provide personalized design, configuration and service according to different needs of customers.



SYSTEM CONFIGURATION 系统配置

- ④ 标准配置: 机械给料输送系统、热解气化系统、供气系统、供气系统、启炉系统、冷却循环系统、自动出灰系统、烟气深度净化系统、自动控制系统、车载发电系统、车辆载体。
- ④ 可选配置: 云端数据传输系统、飞灰固化装置、燃油添加输送装置、便携式设备维保工具。
- ④ Standard configuration: mechanical feed and conveying system, pyrolysis gasification absorption system, air supply system, gas supply system, start-up system, cooling circulation system, automatic ash extraction system, flue gas deep purification system, automatic control system, Vehicle-Mounted power generation system, vehicle.
- ④ Optional configurations: cloud data transmission system, fly ash solidification device, fuel adding and conveying device, portable equipment maintenance tools.

MOVABLE DOMESTIC GARBAGE INTELLIGENT CONTINUOUS TREATMENT SYSTEM 移动式生活垃圾智能化连续处理系统

项目 (ITEM)	性能参数 (INDEX)
日处理量 (Capacity per day)	3-5t/d
装机容量 (Installed capacity)	22kW
设备电耗 (Power consumption)	10度/小时 (10 kilowatt-hour per hour)
启炉燃油量 (Starting fuel consumption)	6公斤/次 (6 kg per time)
物料含水率 (Material moisture content)	≤ 50%
体积减量比 (Volume decrease ratio)	≤ 95%
外形尺寸 (Overall dimensions)	13000mmL × 2400mmW × 4000mmH

本公司因产品更新升级, 保留表中数据变更权, 如有数据变更概不通知。
表中数据为本公司标准产品配置参数, 根据应用区域自然条件与垃圾特性, 配置参数需要调整。
本公司可根据客户的不同需求, 提供个性化的设计、配置与服务。

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The data in the table are the company's standard product configuration parameters, which need to be adjusted according to the natural conditions and garbage characteristics of the application area.
Our company can provide personalized design, configuration and service according to different needs of customers.



PRODUCT CHARACTERISTICS

产品特点

	<p>模块化设计，占地面积小 系统采用模块化设计理念，将各工艺单元优化组合，节约占地，同时吸收国际美学元素，设备外观简洁大方，符合现代审美潮流。</p> <p>Modular design, small occupation of area The system adopts modular design concept, optimizes and combines various process units, saves floor space, and absorbs international aesthetic elements. The appearance of the equipment is simple and elegant, which conforms to the modern aesthetic trend.</p>
	<p>机械化分选，分类效率高 行车抓斗进料，机械破袋分选，对不同组分的混合垃圾适应能力强，通过上述工艺将不可燃的物料高效分离，逆向传输分类。</p> <p>Mechanized sorting, high sorting efficiency Crane grab feeding, mechanical bag breaking and sorting, strong adaptability to mixed garbage of different components, efficient separation of non-combustible materials through the above process, reverse transmission classification.</p>
	<p>无辅助燃料，处理费用省 系统启炉时间短，燃料消耗低，无需后续辅助燃料，利用垃圾自身热值连续稳定运行；采用变频控制技术，实现系统节能降耗。</p> <p>No auxiliary fuel, save processing cost The system has short start-up time, low fuel consumption, no need of subsequent auxiliary fuel, and continuous and stable operation by utilizing the heat value of garbage itself; Frequency conversion control technology is adopted to realize energy saving and consumption reduction of the system.</p>
	<p>干式净化法，无污水产生 烟气间接急冷，干法脱酸，配合优质除尘布袋，确保净化效果，全程无污水产生，无需配套污水处理设施，节约投资和维护成本。</p> <p>Dry purification method, no sewage generated Indirect rapid cooling of flue gas, dry deacidification, with high-quality dust bag, to ensure the purification effect, no sewage is generated in the whole process, and no supporting sewage treatment facilities are needed, thus saving investment and maintenance costs.</p>
	<p>高度自动化，劳动强度低 垃圾处理过程采用机械化上料，一键式操作运行，自动化出渣，从而降低操作人员的劳动强度，优化操作人员职数。</p> <p>High automation, low labor intensity The garbage disposal process adopts mechanized feeding, one-button operation and automatic slag discharge, so as to reduce the labor intensity of operators and optimize the number of operators.</p>
	<p>隔离式运行，工作环境好 垃圾单独收集贮存，封闭隔离，操作人员通过中控室操作，完成垃圾处理，无需接触垃圾，从源头改善操作人员的工作环境，确保人员职业健康。</p> <p>Solated operation, good working environment Garbage is collected and stored separately, sealed and isolated. Operators can complete garbage disposal through the central control room without touching garbage, thus improving the working environment of the operators from the source and ensuring the occupational health of the personnel.</p>
	<p>云端管理平台，数据远程传输 运用无线网络通讯技术，构建云数据平台，实现工况数据远程实时传输、数据存档、故障报警等辅助运营管理功能。</p> <p>Cloud management platform, data remote transmission Using wireless network communication technology, a cloud data platform is constructed to realize the auxiliary operation and management functions such as remote real-time transmission of working condition data, data archiving, fault alarm, etc.</p>

SCOPE OF APPLICATION

适用范围

		
村镇牧场 Villages and pastures	旅游景区 Tourist attraction	港口岛屿 Port and island
		
油田矿场 Oilfields and mine	机场高速 Airport and highway service areas	军营军港 Barracks and military ports
		
应急救援 Emergency and disaster relief	海关检疫 Customs Quarantine area	工业区 Industrial Parks

PROJECT CASES

项目案例

STATIONARY DOMESTIC GARBAGE INTELLIGENT CONTINUOUS TREATMENT SYSTEM 固定式生活垃圾智能化连续处理系统



江苏项目 Jiangsu Project



山东项目 Shandong Project



河南项目 Henan Project



青海项目 Qinghai Project



青海项目 Qinghai Project



青海项目 Qinghai Project

MOVABLE DOMESTIC GARBAGE INTELLIGENT CONTINUOUS TREATMENT SYSTEM 移动式生活垃圾智能化连续处理系统



青海项目 Qinghai Project



河南项目 Henan Project



西藏项目 Xizang Project



广东项目 Guangdong Project



江苏项目 Jiangsu Project



河北项目 Hebei Project