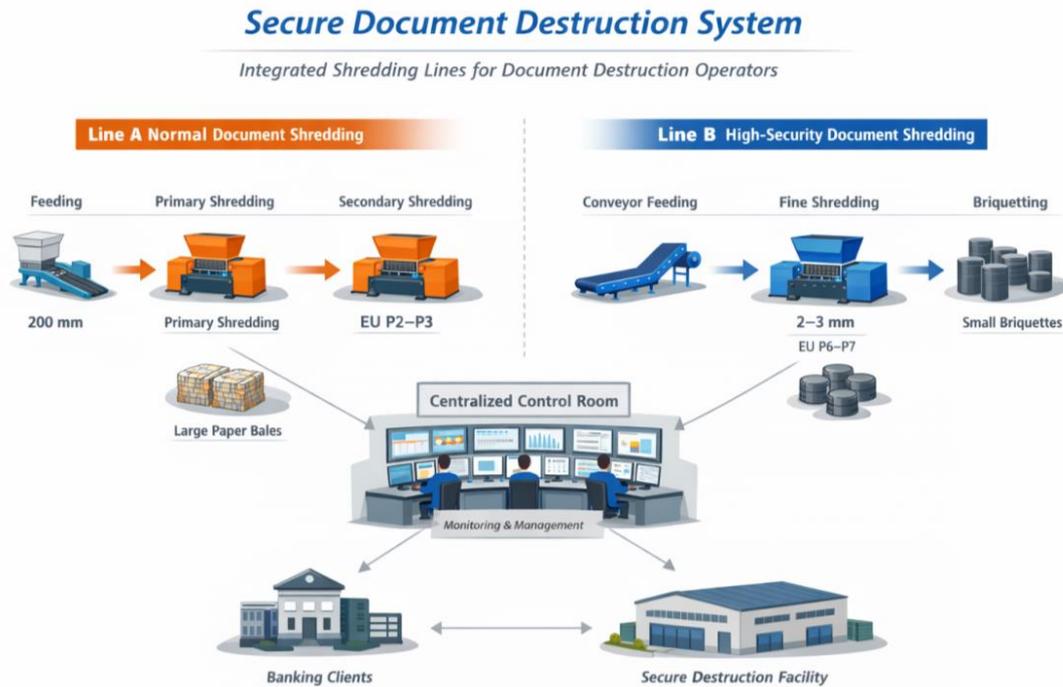


Secure Document Destruction Solution - for Professional Operators

Integrated Shredding Lines - 2,000 Tons / Year



1. Project Overview

This solution is designed for **professional document destruction operators** providing outsourced services to banks and financial institutions.

The system focuses on **long-term operational stability, security compliance, and cost efficiency**, which are critical for service providers managing continuous workloads from multiple banking clients.



- **Total annual volume: approx. 2,000 tons**
 - Normal documents: **1,500 tons / year**
 - High-security documents (EU P6-P7): **500 tons / year**
- **Operational assumption:**

- 200 working days per year
 - 6 operating hours per day
 - **Site condition:**
 - Centralized operation at one facility
 - Available area $\geq 500 \text{ m}^2$, height approx. 6 m
 - **Design objective:**
 - Stable, scalable operation for outsourced destruction services
 - Clear separation of security levels for different banking requirements
-

2. Overall System Concept

The proposed system is designed specifically for **operators**, not for one-time or internal bank use.

- Normal and high-security documents are processed on **separate, dedicated lines**
 - **Parallel line architecture** ensures:
 - Continuous operation
 - Easy maintenance without full shutdown
 - Lower operational risk for service providers
 - The system is suitable for **multi-client, long-term service contracts**
-

3. Line A – Normal Document Shredding (EU P2–P3)

Annual volume: approx. 1,500 tons

- Required throughput: **1.2–1.3 tons/hour**
- Configuration: **2 parallel shredding lines**

Each line includes:

- Primary shredder
 - Motor power: **15 kW**
- Secondary shredder
 - Motor power: **10 kW**
 - Security level: **EU P2–P3**
- Single-line capacity: **600–700 kg/hour**

Discharge & baling:

- Shredded paper is sent directly to the **customer's existing baler**
 - Large paper bales for easy handling and resale
 - No additional baler investment required
-

4. Line B – High-Security Document Shredding (EU P6–P7)

Annual volume: approx. **500 tons**

- Required throughput: approx. **400–420 kg/hour**
- Configuration: **2 parallel high-security shredding lines**

Each line includes:

- Conveyor feeding system
- Primary shredder
 - Motor power: **11 kW**
- High-security fine shredder
 - Motor power: **22 kW**
 - Output size: **1–2 mm particles**
 - Security level: **EU P6–P7**
- Single-line capacity: **150–200 kg/hour**

Final treatment:

- Shredded paper powder is processed by a **hydraulic briquetting system**
- Compressed into small cylindrical briquettes

5. Key Advantages for Operators

- ✓ Designed for **outsourced document destruction services**
- ✓ Parallel production lines ensure **high uptime and operational flexibility**
- ✓ Separation of security levels improves **workflow efficiency**
- ✓ Industrial-grade design suitable for **continuous daily operation**
- ✓ Optimized investment structure and long-term ROI for operators

This solution concept is intended for professional operators serving banks, central banks, and financial institutions.

 **Contact Us 联系我们**

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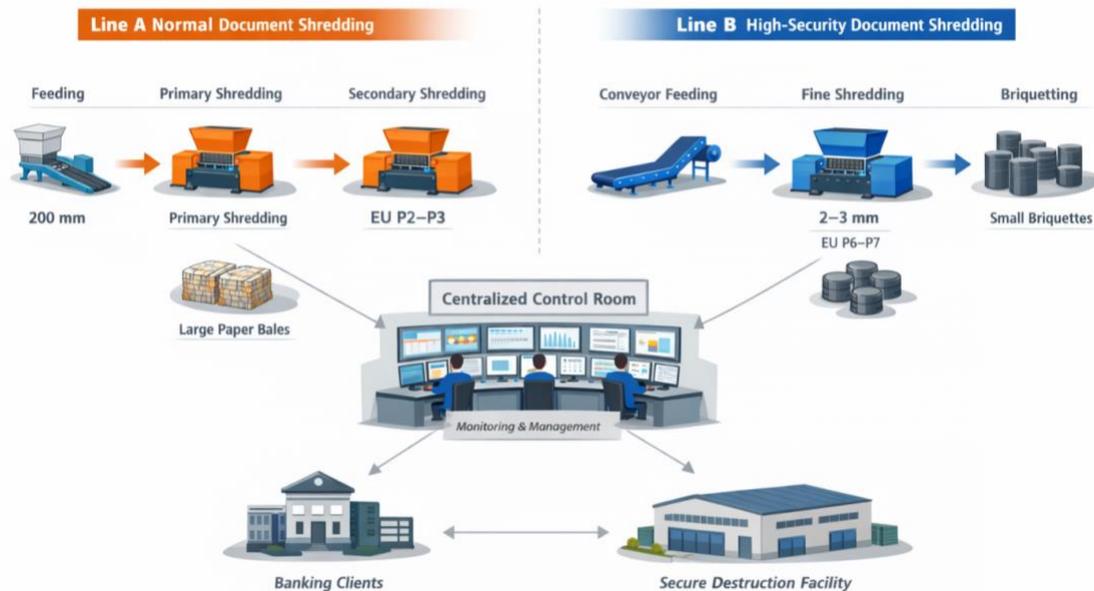
 Website: www.yuedushredders.com

@YUEDUShredders – Empowering Global Industries with Intelligent Destruction Systems.

📄 银行档案文件保密销毁整体解决方案
面向专业运营方的集成式粉碎生产线方案
处理能力：2,000 吨 / 年

Secure Document Destruction System

Integrated Shredding Lines for Document Destruction Operators



1. 项目概述（Project Overview）

本解决方案专为专业文件销毁运营方（Document Destruction Operators）设计，用于为银行及金融机构提供外包式档案销毁服务。

系统设计重点放在长期运行稳定性、保密合规性以及整体成本效率上，适用于需要同时服务多家银行客户、长期连续运行的运营场景。



- 年总处理量：约 2,000 吨
 - 普通文件：1,500 吨 / 年
 - 高保密文件（EU P6-P7）：500 吨 / 年
- 运行假设：

- 每年 **200** 个工作日
- 每天 **6 小时** 实际运行时间
- **场地条件:**
 - 单一厂区集中运营
 - 可用面积 \geq **500 平方米**
 - 厂房高度约 **6 米**
- **设计目标:**
 - 适用于外包销毁服务的**稳定、可扩展运营**
 - 不同保密资料对应**不同保密等级，清晰分线处理**

2. 整体系统设计理念（Overall System Concept）

该系统是从运营方视角出发设计的工业级方案，并非一次性项目或银行内部自用系统。

- 普通文件与高保密文件 分别在独立生产线上处理
- 并行生产线架构可实现：
 - 连续稳定运行
 - 单线维护时无需全线停机
 - 降低运营方整体运行风险
- 系统非常适合：
 - **多客户并行**
 - **长期服务合同**
 - **规模化档案销毁运营**

3. Line A —— 普通文件粉碎线（EU P2–P3）

年处理量：约 **1,500 吨**

- 目标产能：约 **1.2–1.3 吨 / 小时**
- 配置方式：**2 条并行粉碎生产线**

每条生产线配置包括：

- **一级粉碎机（Primary Shredder）**
 - 电机功率：**15 kW**
- **二级粉碎机（Secondary Shredder）**
 - 电机功率：**10 kW**
 - 保密等级：**EU P2–P3**
- 单线产能：约 **600–700 kg / 小时**

出料与打包方式：

- 粉碎后的纸张直接进入客户现有打包机
- 打包成大尺寸纸包，便于搬运、存储及再销售
- 无需额外投资新的打包设备

4. Line B —— 高保密文件粉碎线（EU P6–P7）

年处理量：约 500 吨

- 目标产能：约 400–420 kg / 小时
- 配置方式：2 条并行高保密粉碎生产线

每条生产线配置包括：

- 输送带自动上料系统
- 一级粉碎机
 - 电机功率：11 kW
- 高保密细碎机
 - 电机功率：22 kW
 - 出料尺寸：1–2 mm 粉末颗粒
 - 保密等级：EU P6–P7
- 单线产能：约 150–200 kg / 小时

末端收集和压块：

- 粉碎后的纸粉进入液压式纸粉压块系统
- 压缩成小型圆柱状压块

5. 运营方核心优势总结（Key Advantages for Operators）

- ✓ 专为外包式文件销毁运营模式设计
- ✓ 并行生产线保障高开机率与运营灵活性
- ✓ 不同保密等级分线处理，提升整体流程效率
- ✓ 工业级设计，适合长期、连续日常运行
- ✓ 投资结构合理，有利于运营方长期 ROI

本方案适用于为银行、中央银行及金融机构提供服务的专业运营方。

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