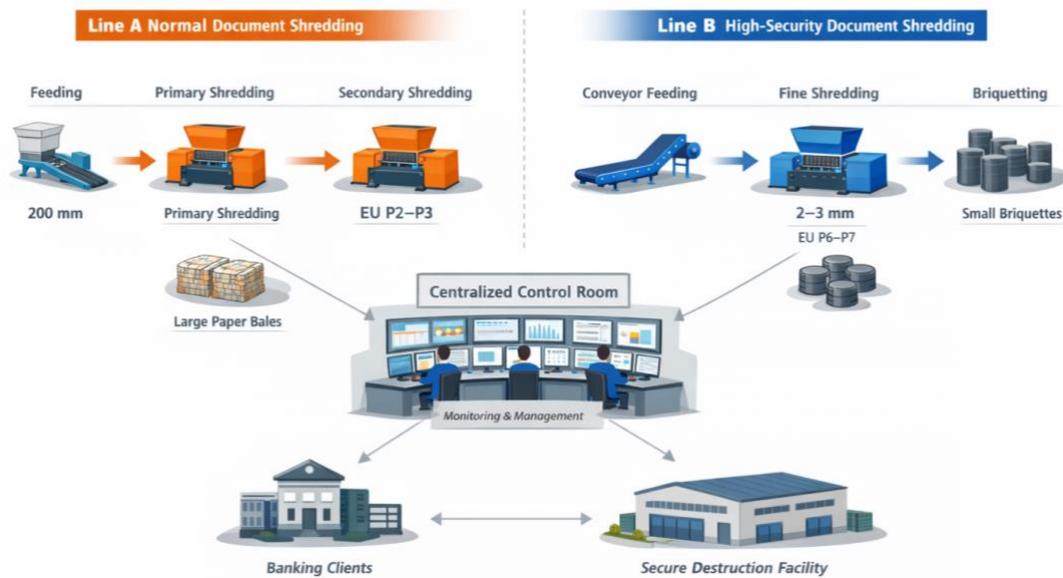


Secure Document Destruction Solution - for Professional Operators

Integrated Shredding Lines - 2,000 Tons / Year

Secure Document Destruction System

Integrated Shredding Lines for Document Destruction Operators



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
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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**
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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
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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.

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