

Reasons Used Recycling Machines Fail Early

1. The Maintenance History Problem

Most used recycling equipment has no complete maintenance record. Blades may have gone unsharpened, bearings unlubricated, and issues left unaddressed, and signs of neglect show up in throughput and vibration long before they're visible from outside.



2. What Happens to Cutting Components

Repeatedly sharpened blades lose geometry, the cutting angle shifts until the machine draws more power, generates more heat, and produces inconsistent output. Rotor bearings accumulate stress invisibly run after run until degradation suddenly accelerates.

3. How Electrical and Control Systems Age

Wiring insulation becomes brittle with heat cycling. Sensors drift from calibration. PLCs may run unsupported software. When electrical components fail in discontinued models, sourcing replacements can cost more in downtime than the savings from buying used.

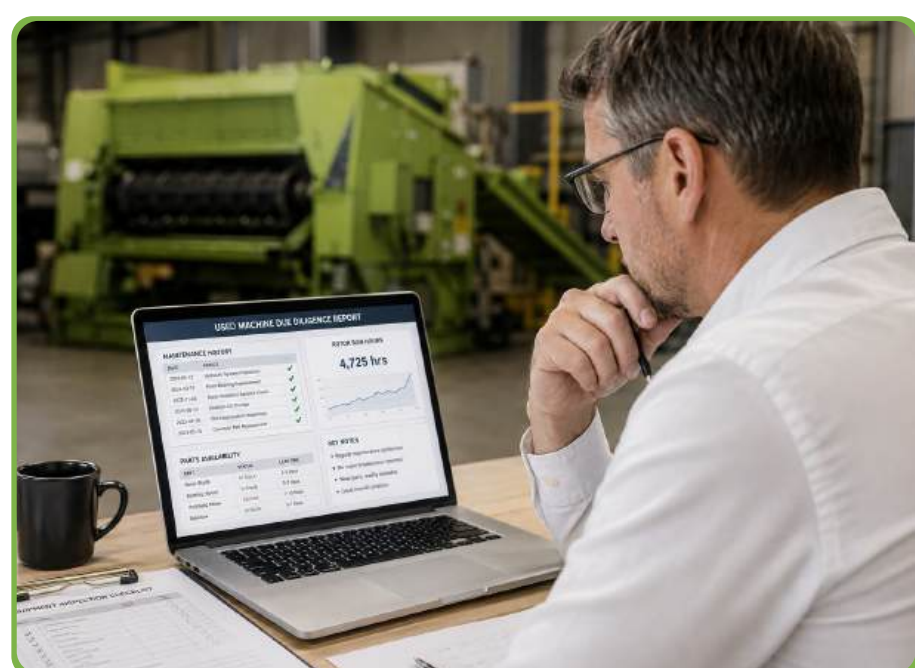


4. What a Visual Inspection Can Miss

Shaft seals near end-of-life look undamaged but fail sooner than run hours suggest. Frame weld fatigue requires ultrasonic testing to detect. Bearings wear without external signals, and the resulting shaft or housing damage costs far more than prevention.

5. When the Parts Stop Being Available

Every machine has a parts lifecycle. A used shredder may be fully functional, but one discontinued component away from extended shutdown, when critical parts are no longer available, a routine repair becomes weeks of downtime or an expensive retrofit.



6. Know What You're Buying Before You Buy It

A machine with documented maintenance, low rotor hours, and an active parts supply can deliver real value. The risk is buying without understanding failure points; a lower upfront cost disappears quickly when repairs become difficult, or downtime extends

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