



## About Us

Mizar Makine has been producing high-quality recycling machinery since 2000, offering turnkey solutions for cables, radiators, electronic boards, and metal waste. Our modern facility enables us to deliver efficient, low-energy, and durable systems suitable for both small businesses and large industrial operations. With an innovative approach and fast after-sales support, we contribute to environmental sustainability and create strong economic value.

## Why Mizar?

- Quality materials,
- Aftersales service,
- Fair prices,
- Quick response,
- Not only one-time seller, but also your solution partner with an honest trade perspective,
- Experienced team,
- Standing behind the goods,
- Following the last technology with his engineers,
- R&D studies for renovating the technology,
- Coordination with customers and suppliers,

Shortly, your money's worth.



## Countries That Choose Mizar



“Manufactured in Türkiye – Exported to 40+ Countries”



📍 Fevziçakmak Mh. 10753 Sk.  
No:38/C Karatay / Konya / Türkiye

☎ +90 332 501 26 26

📞 +90 537 520 35 34

✉ sales@mizar.com.tr

# Pro Series



# RECYCLING MACHINERY

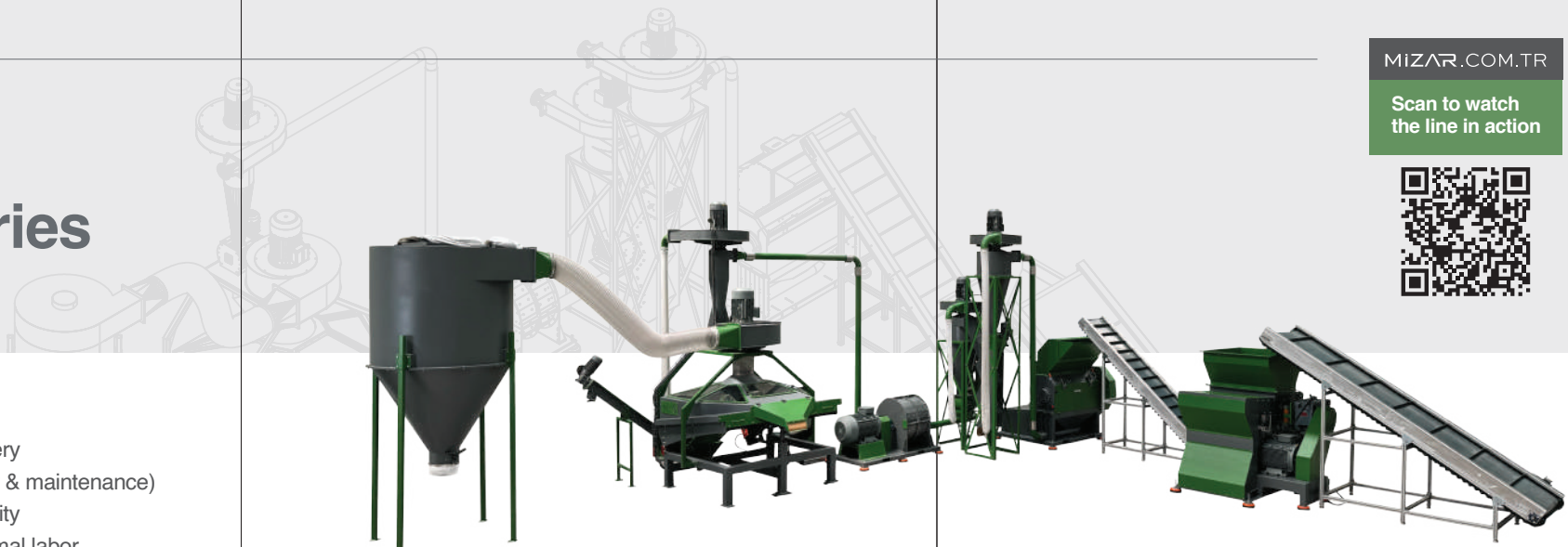


MIZAR.COM.TR

Scan to watch the line in action



# Pro Series



## KEY ADVANTAGES

- Fast ROI through high metal recovery
- Low total cost of ownership (energy & maintenance)
- Continuous 24/7 production capability
- Fully automatic operation with minimal labor
- Stable output quality with mixed cable inputs
- Compact footprint and fast commissioning
- High operational reliability and uptime
- CE-compliant, low-noise and dust-controlled operation
- Remote monitoring and service-ready system

## TECHNICAL ADVANTAGES

- 99% copper purity via multi-stage separation
- Optimized cutting geometry and long-life knife design
- Energy-efficient motors with optimized process flow
- Heavy-duty drivetrain for stable torque output
- Advanced air and density separation technology
- Continuous feeding system without process fluctuation
- PLC-controlled automation with real-time monitoring
- Modular, maintenance-friendly machine architecture
- Vibration-optimized and sound-reduced chassis

PRP Cable Recycling Lines - Technical Overview			
Model	Capacity	Total Power	Footprint
PRP S1	Up to 400 kg/h	80 kW	50 m <sup>2</sup>
PRP M1	Up to 800 kg/h	135 kW	100 m <sup>2</sup>
PRP L1	Up to 1300 kg/h	200 kW	120 m <sup>2</sup>
PRP XL1	Up to 2000 kg/h	300 kW	140 m <sup>2</sup>

## Technology Flow of PRP Line

The PRP Line is a continuous recycling process that transforms complex cable waste into pure copper and plastic granules.

### Step-by-step process

- 1. Shredder (SSH):**  
Pre-shredding and size reduction.
- 2. Overbelt Magnetic Separator (OMS):**  
Removes ferrous metals.
- 3. Granulator (FGR):**  
Refines particles for efficient separation.
- 4. Zigzag Separator (ZZS):**  
Air separation of light and heavy fractions.
- 5. Turbo Mill (TRM):**  
Ultra-fine grinding for maximum liberation.
- 6. Densimetric Separator (DES):**  
Precise density-based separation.
- 7. Dust Collector (DTF):**  
Ensures a clean and dust-free environment.

## Cable Types Processed by PRP Line

	<b>Building &amp; Installation Cables</b> (Twin & Earth, Single Core)		<b>Flexible &amp; Appliance Cables</b> (Flex Cable, H07, multi-stranded)
	<b>Communication &amp; Data Cables</b> (Cat 5/6, Jelly-Filled, Telecom cables)		<b>Industrial &amp; Armoured Cables</b> (SWA, ACSR, Underground Cables)
	<b>Automotive &amp; Harness Cables</b>		<b>Electronic &amp; Low-Grade Cables</b> (HDMI, coaxial, low-grade mix)
	<b>Mixed Copper Cables</b> (All Types of Mixed Feeding)		<b>Contaminated Difficult Cables</b> (Oily, Muddy, Heavily insulated cables)