

Where wear bites in recycling equipment

Recycling plant punishes steel harder than almost any other industrial duty. **Shredders** see uncontrolled impact and gouging from mixed scrap - metals, motors, gas cylinders, white goods. **Granulators and grinders** subject the chamber to high-velocity abrasion from torn-up plastics, e-waste and tyre crumb. **Sorting and separation lines** chew chutes and conveyor decks with dense, sharp-edged streams. Even **balers and compactors** see impact-fatigue duty at every cycle. Q&T abrasion-resistant plate - with Mn13 at the highest-impact wear faces - is the only economic answer; mild steel and hard-faced overlays simply do not last in this duty.

Components where AR plate goes

In automotive shredding, MRF, e-waste, tyre-recycling, paper/plastic and scrap-yard equipment, Tradepass AR wear plate is supplied for:

- Heavy shredders - anvil plates, hammer-carrier disks, comb plates, side-wall liners, infeed-chute armour, discharge-chute liners.
- Pre-shredders and slow-speed shredders - rotor wear caps, chamber wall liners, knife-bar carriers.
- Granulators and grinders - rotor-cap shells, chamber wall liners, screen frames and stator-knife seats.
- Sorting lines - chute liners, transfer-point skirts, eddy-current and ballistic separator deck plates.
- Magnetic-separator drum and overband cleaner wear plates.
- Trommel-screen drum liners and drum-frame supports.
- Balers, compactors and briquetters - chamber side walls, ram-face wear plates and gate plates.
- Tyre-recycling lines - bead-cutter anvils, rasper-mill liners, crumb-conveyor chutes.
- Scrap-yard infrastructure - magnet-crane skirt walls, scrap-bucket and grapple liners, scrap-pit floor plates.

Plates are cut to size, bevel-prepared, hole-drilled for bolt-ons and formed where the part needs it, supplied with **mill test certificate** showing heat number, chemistry and mechanicals - traceable from the mill to your shop floor.

Grade recommendations from the Tradepass stock range

Where it goes	Recommended grade	Tradepass stock
Light wear: paper and light-plastic chutes, sorting-line side walls	AR200	5-25 mm, both warehouses
General wear: scrap-conveyor chutes, baler chamber side walls, MRF transfer points	AR400	2-100 mm, both warehouses
Heavy wear: granulator chamber liners, ballistic-separator decks, magnet-crane skirt walls	AR500	3-80 mm, both warehouses
Extreme abrasion: shredder discharge chutes, rotor-cap shells, tyre-rasper liners	AR600	5-16 mm, both warehouses
High-impact: shredder anvil plates, hammer-carrier disks, comb plates, baler ram faces	Mn13 (work-hardens to ~550 HB)	6-100 mm, both warehouses

Why Tradepass

Mill-direct import from leading Indian and global mills - Tata Steel, AMNS India, Jindal Steel (JSPL), Baosteel, Shougang. Both Kalamoli and Faridabad warehouses carry the full AR range plus S690QL high-strength plate. WhatsApp us the recycling line, the material stream and the wear face - we recommend a grade, thickness and cut size, usually within the hour during working hours.