



GREEN STARS™

Materials Recovery Facility (MRF) plants rely heavily on the efficiency of their equipment, particularly the sorting screens utilizing the “rubber recycler stars”, for materials processing. These standard stars will wear down over time and need replacement during preventive maintenance.

"Introducing the Redco™ Green Star™ – a groundbreaking solution poised to minimize downtime and significantly reduce the frequency of maintenance required on your screen decks. Manufactured with an innovative polyurethane formula, the Green Stars™ outshine the traditional materials by lasting up to 3x longer than the black rubber stars.

CORE ADVANTAGES:

- ▶ Lasts up to 3x longer than black rubber, reducing the frequency of screen deck maintenance
- ▶ Lasts up to 5x longer in secondary impact zones

Redwood chose to work with one MRF in Canada and one in the US to prove our concept, provide R&D for our trials. Check out the back page of this document and hear what they have to say.

How are Redco™ Green Stars Different?

For decades, recyclers have experimented on many polyurethane grades trying to find a more durable material, but most cannot solve the hysteresis problem: urethane breaking down from heat buildup.

Through many tests and failures and with the help of strong partnerships with recycling plants and vendors, we have formulated a unique blend of polyurethane that resists hysteresis and impact.

Refer to the backpage for the full details of our case studies.



Durable



Corrosion Resistant



Impact Resistant

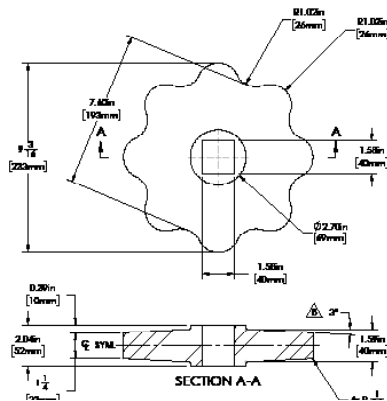
Urban Impact

Urban Impact, one of Vancouver, BC's largest recycling centers, was relying on black rubber recycler stars to facilitate material movement over their screen decks. They were seeking a better solution that will reduce the frequency of maintenance shut downs.

Redwood was able to deliver our new Green Stars™ to Urban Impact and their team found that our new stars had double the lifespan compared to their previous recycling stars in the main impact zone and over triple the lifespan of the recycling stars in other areas of the screen deck.

“Those stars lasted way longer than I thought, the part that really impressed me was how they helped my material flow over the screen deck.”

Rod Nichols, Owner



Waste Management

As one of Washington's largest recycling companies, Waste Management (WM) sort through thousands of recycled materials in their Woodinville plant each day.

We offered our Green Stars™ as an alternative to their recycler stars as a trial run and presented them with a Green Star™ similar to their own black recycler star. This is what they had to say:

“I was amazed at the lifespan of these green stars vs the normal black rubber stars, the durability was really good.”

Lee Gronemyer – MRF Maintenance Manager

