

# Glacier: The World's Only Fiber Robot

Built for wide belts, paper purity, and zero downtime.

## Why Fiber QC Lines Choose Glacier

Fiber lines are wide, fast, and film-heavy. Glacier was engineered for that reality.

<b>Wide-belt coverage</b> Reaches across <b>belts up to 80 inches</b> wide	<b>Compact footprint</b> Fits anywhere a human can stand (3ft footprint)
<b>Film-ready pneumatics</b> Proprietary vacuum system handles films & flexibles without clogging.	<b>95% uptime</b> Proven reliability in high-abuse MRF environments.
<b>ROI in months, not years</b> Typical payback < <b>10 months</b> , vs 3+ years months for many competitors.	<b>Smarter AI</b> Trained on data from <b>10% of U.S. households</b> , millions of real fiber-line items – not a lab dataset.



One of our fiber QC robots in action at Recology

## Case Study | California Fiber QC Line

### +17% Paper Purity | 95% Uptime | 8-Month Payback

A 500-TPD MRF installed three Glacier robots downstream of an optical sorter to remove film and black plastics.

"We've tried most robots on the market. Glacier is our preferred vendor. The footprint, ROI, anti-clogging – it just makes sense." – Vice President, California MRF

## ⚙️ Performance at a Glance

Metric	Glacier Fiber Robot	Typical Competitor
Belt Width	<b>Up to 80 in</b>	~48 in
Uptime	<b>95%</b>	70-90%
Payback Period	<b>8-10 mo</b>	36+ mos
Film Handling	<b>Yes (anti-clog)</b>	No
Robot Footprint	<b>~3 ft (anywhere a person can stand)</b>	5-8 ft (2-3 stations)

## 🔩 Built to Recycle

### Power

240 V single phase, 35 A

### Air

50 cfm @ 90 psi

### Belt Speed

Up to 240 ft/min

### Belt Width

Up to 80 inches

### Environment

High-intensity / variable lighting

### Performance

45 successful picks per minute (real MRFs)

## ♻️ What's Next

From paper QC to film recovery, Glacier's fiber robot is redefining what a sorting robot can do. **Smaller footprint. Higher purity. Lower cost.**

