





## **ECONOMICAL · COMPACT · OPTIMAL**

Machinex has created the *ECO* MRF for smaller recycling needs of 10 tons per hour and less. Whether you are a private company or public organization, you can have the monetary benefits of the recycling in your area. Recycling is not just a trend; it's a responsible manner to manage natural resources for future generations and recycling is experiencing significant growth.



The Machinex ECO MRF combines the most advanced sorting technologies available to sort commingled material from single-stream collection. It also obtains optimal purity of the commodities coming out of the system. This equipment could fit into a custom building designed specifically for the system or into an existing building. Even though the system is economical and compact, the end results are marketable commodities that generate revenue.

## **ECO MRF Model**

## II Ram Baler:

This type of baler is perfect for smallest volume tonnage.

## **Eddy Current**:

Mechanical sorting of aluminum cans.

## **Bunkers**:

Contains sorted material before baling.

## **Ferrous Magnet**:

Mechanical sorting of ferrous metals.

## **MACH Ballistic Separator**:

Separates material into three streams: two dimensional (2D) from three dimensional (3D) and fine particles.

# Commercial Tipping Floor: Reception of cardboard from commercial collection. No sorting required.

MACH OCC Screen-Double Deck:

Separates cardboard from the

material stream.

# Infeed System:

Ensures a constant supply to the recycling line at the proper depth for the sorters.

## **Residential Tipping Floor:**

Reception of commingle material.

## **Manual Pre-Sort:**

Rejects and large pieces that can damage the equipment are removed manually by sorters.

### **Fines Screen:**

Removes glass and fine particles early in the system when they fall between the discs of the MACH OCC Screen.

# POTENTIAL REVENUE... NOW, THAT'S RESULTS!

Commodity	Percentage from material composition	Tons/ commidity/ hr	Present value* (price per ton)	Potential Hourly Revenue
OCC	10.00%	1.00	\$100.00	\$100.00
ONP	15.00%	1.50	\$47.50	\$71.25
Mixed Paper	35.00%	3.50	\$52.50	\$183.75
PET	4.00%	0.40	\$340.00	\$136.00
HDPE Colored	2.00%	0.20	\$540.00	\$108.00
HDPE Natural	2.00%	0.20	\$720.00	\$144.00
3-7 Plastics	1.00%	0.10	\$20.00	\$2.00
Aluminum (UBC)	1.95%	0.20	\$1 360.00	\$265.20
Aluminum (other)	0.05%	0.01	\$1 000.00	\$5.00
Ferrous Metals	3.00%	0.30	\$115.00	\$34.50
Aseptic / Tetra	0.50%	0.05	\$-	\$-
Rigid Plastics	0.50%	0.05	\$20.00	\$1.00
Mixed Glass	17.00%	1.70	\$(10.00)	\$(17.00)
Rejects	8.00%	0.80	\$(40.00)	\$(32.00)
Total	100.00%	10.00		\$1 001.70 Per hour \$7 011.90 Per day
TONS/DAY 70	HOURS OF OPERATION 7 PROCESSING TONS/HR 10			\$140 238.00 Per mont \$1 682 856.00 Per year

<sup>\*</sup>Commodity pricing subject to change



Infeed, Pre-sort Stations and OCC Screen of the ECO MRF

**MACHINEX INDUSTRIES INC.** 

2121 Olivier Street
Plessisville QC
G6L 3G9 Canada
819 362-3281
Toll Free: 1 877 362-3281
sales@machinextechnologies.com

MACHINEX RECYCLING SERVICES INC. (CANADA) 1 800 463-4298

MACHINEX TECHNOLOGIES INC. (USA) 1 877 362-3281

sales@machinextechnologies.com www.machinextechnologies.com



Experience Results