

RMX Series

Refeed Machine



*The RMX Series: for use with **AST**® and Gravitrol® systems to recycle edge and/or bleed trims, tape, roll scrap and loose scrap, individually or simultaneously (pictured is an RMX3)*

The RMX Series Refeed Machine is part of a complete **AST**® Automatic Scrap Recycling System for recycling scrap generated on a film extrusion line. The RMX Series is specifically designed for use with Gravitrol® Gravimetric Extrusion Control Systems. The compact size also makes the RMX Series suitable for applications with headroom restrictions without sacrificing the performance that has made the **AST**® Refeed Machine popular for film applications.

The unique, double-compartment RMX Series Refeed Machine operates with a variable-speed auger/bridge-breaker assembly to compact and meter ground scrap from the inner hopper to the throat of the production extruder. The outer compartment contains virgin material which is gravity-fed to the throat. The virgin material completely surrounds the ground scrap as it enters the extruder. The extruder screw receives a consistent column of compacted ground scrap surrounded by virgin

material. This method provides consistent operation without extruder surging or starvation. With the standard extruder follower circuit, the refeed machine will increase or decrease the scrap rate in proportion to the extruder speed. This holds scrap percentage constant without additional operator attention. ■

Standard Specifications

Drive System: DC Motor flanged to hollow-shaft gear box drives the single rotating member used to compact and refeed scrap. An SCR speed control includes adjustable torque limit, extruder screw following and signal isolation circuits. Start/Stop buttons, load meter and tachometer are mounted and wired in a NEMA-12 enclosure, 15"x15" for remote mounting and wiring by others.

Electricals: Power requirements—230 volt, single phase for drive; 115 volt, single phase for controls. A ground scrap high level switch interfaces with scrap grinder.

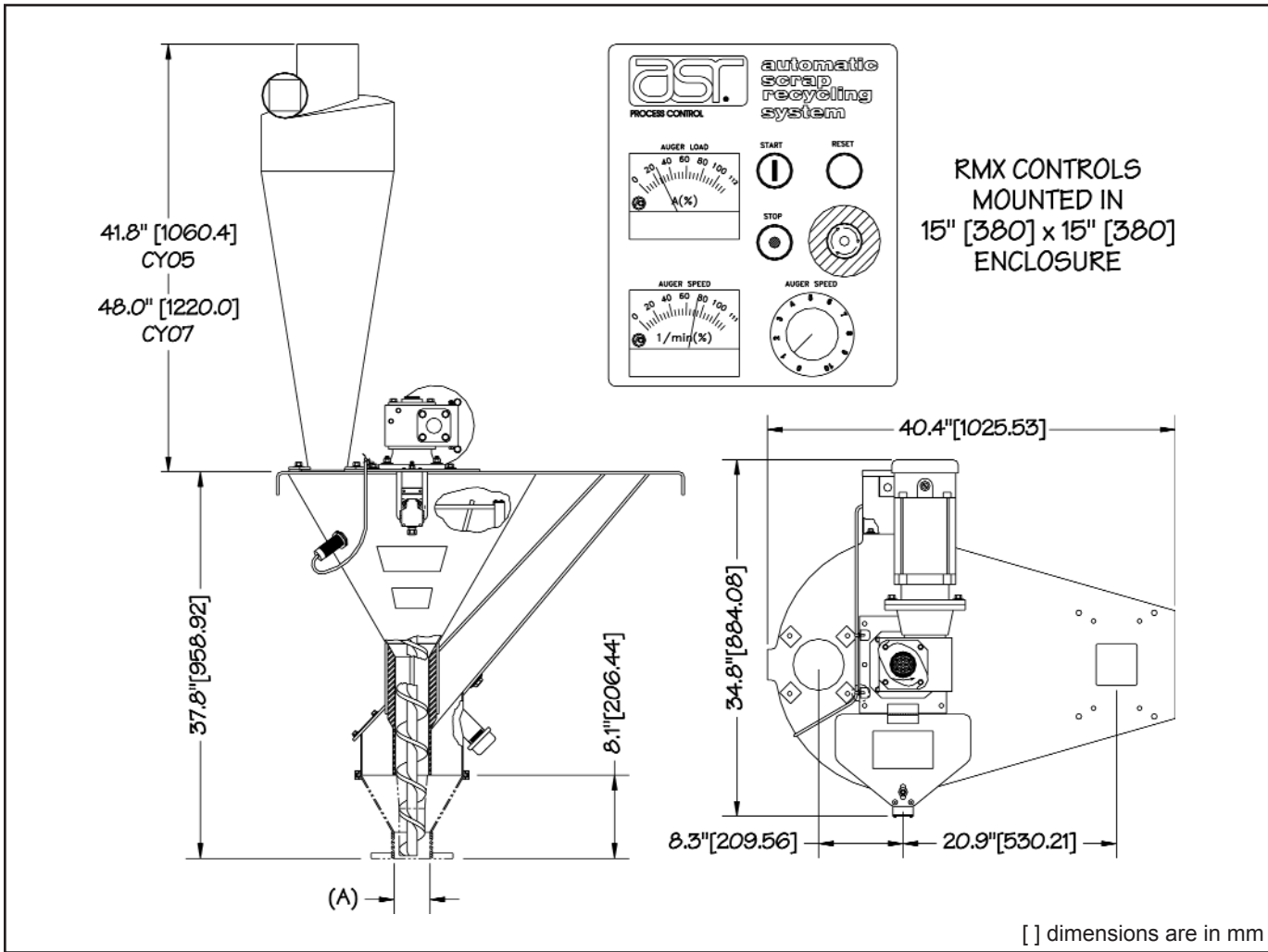
Materials of Construction: Mild steel.

Paint: High-gloss enamel of PCC standard color.

Options

- Isolation transformer for use with non-230 volt, single phase systems
- Additive feeders
- Trim Removal Inducers
- Film Scrap Grinders
- High Efficiency Cyclone
- Cyclone Filter Assembly

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SPECIFICATIONS for RMX SERIES REFEED MACHINE

Model Number	Maximum Scrap Rate cu. ft/hr (m ³ /hr)	Fits Extruder Size* Inch (mm)	Dimension A: Auger Diam. at Fluff Tube Inch (mm)	Usable Capacity cu.ft (m ³)		HP	Shipping Weight lbs. (kg)
				Scrap	Virgin		
RMX2	20 (0.57)	2.5 - 4.5 (63.5 - 114.3)	2.3 (54.8)	1.0 (0.03)	0.5 (0.015)	1	600 (272)
RMX3	40 (1.13)	3.5 - 6.0 (88.9 - 152.4)	3.0 (76.2)				
RMX4	90 (2.55)	4.5 - 8.0 (114.3 - 203.2)	4.0 (101.6)				
RMX5	120 (3.40)	6.0 - 8.0 (152.4 - 203.2)	5.0 (127.0)				

*Match spool piece as closely as possible to extruder throat opening; spool piece opening must not exceed extruder throat opening.



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