



BLEND & RECLAIM

OA SERIES GRAVIMETRIC AUGER BLENDERS



**OA-012
GRAVIMETRIC
BATCH BLENDER**

Features

- Easy material clean-out and changeover
- Precision 1/10% of span offset cantilevered load cells
- Cast aluminum feed auger assemblies with stainless steel augers
- Spun material supply hoppers with sight-glass
- "HC" style mixer with removable polycarbonate door
- Adjustable mixing time

Advantages

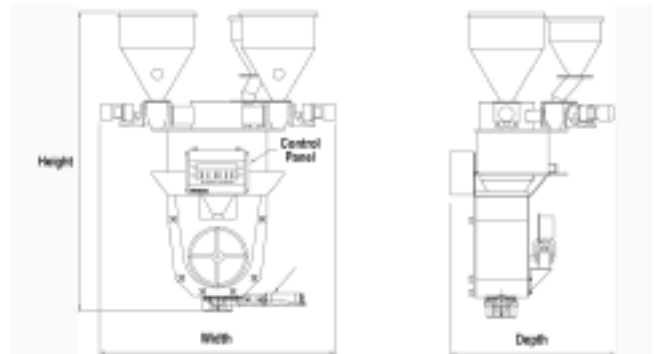
- Superior batch control up to 1/10 of 1% accuracy for each blended component
- Consistent feeding of difficult materials

The OA Series gravimetric batch blending system features precision auger metering of all ingredients and should be used for regrind, powder and difficult or hard-to-meter materials.

How It Works

Key in a recipe and start the unit. Operating parameters are preset. When the level in the mixer drops below the level switch, the weigh hopper will zero. Each ingredient is then accurately metered and weighed. When the weighed batch is complete, all ingredients are discharged into the mixer.

Model	Max. Rate lbs/hr	Max. Rate kgs/hr	Width	Depth	Height
OA-002	100	45	38"	31"	33"
OA-012	400	180	58"	33"	46"
OA-060	3000	1360	64"	40"	77"



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Integrated Blending Control System Off-the-Shelf Control With Proven Reliability User-Friendly, Menu Driven Interface

AEC's new Allen-Bradley PLC-based blender controller provides state-of-the-art process control at your fingertips. Operator-friendly controls simplify operation, store up to 50 recipes and provide unmatched metering accuracy for up to six ingredients, especially below 2%. The PanelView 550 touch-screen interface displays user-friendly, menu-driven interface screens for complete control and monitoring of any batch blending operation. A serial printer port is included and an optional Ethernet port is available.



Programmable entry screens for all three recipe modes (up to six components)



Real time display of process rate and material usage of each ingredient

FEATURES

- Touch-screen interface in a remote-mount NEMA 12 (IP 54) enclosure
- Two screens allow total control and monitoring of the blending process
- Constant display of actual material used
- Load cell signal conditioning technology improves reliability and is unaffected by electrical noise
- Redesigned pneumatic and electrical systems improve metering accuracy and blender rate
- Electrical panel meets applicable specifications, with 220 volt operation and CE declaration available
- Integral alarm light and horn indicates material feed problems
- Ethernet module available for off-line monitoring, control, and remote troubleshooting
- Patent pending
- Three types of recipe entry formats are available to the operator:
 - "EZ" mode meters color and additives as a percentage of the virgin material (most common in injection molding)
 - "Percentage" mode meters all ingredients as a percentage of the overall batch (most common in extrusion and blow molding)
 - "Parts" mode allows for ratio recipe entry (e.g., 50:1)



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WHITLOCK/
MATERIAL
HANDLING



HEAT & COOL



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RECLAIM



NELMOR/
GRANULATE



DOWNSTREAM
EXTRUSION



AUTOMATE



SYSTEMS
CONTRACTING



SERVICE