OA Series Gravimetric Batch Blending System features precision auger metering of all ingredients. They should be used if more than one regrind is required or when difficult and hard-to-meter materials will be used.

Each OA blender features machined metering augers, precision load cells, cast aluminum feed auger assemblies and heavy-duty industrial design. The OA Series offers superior batch control and reliable feeding of difficult materials.

**Standard Features**

- PLC-Based control system with color touch-screen interface. English or metric display, 8’ cable, serial printer port, and 3 entry modes:
  1. Percentage recipe entry—Ingredients metered as a percentage of the batch
  2. 8-component “EZ” mode recipe entry—color and additives metered as a percentage of the virgin
  3. “Parts” mode ratio recipe entry (i.e. 500:1)
- Precision auger feeding of all materials with constant speed AC gearmotor. Variable speed DC is optional
- “HC” mixer design promotes homogeneity (012 & 060)
- Precision .02% span-accurate offset cantilever load cell
- Convenient compressed air clean-out hose with blowoff tool
- Drain tube below each feeder housing for quick draining
- Target versus actual set point verification
- Safety-interlocked access that shuts off both air supply and electricity if blender is opened
- Alarm output
- Hopper lids arranged for AEC receivers and loaders

**Optional Features**

- 12” high extension for major ingredient hoppers
- SCR variable-speed DC drive motor in lieu of standard constant-speed AC motor
- Material shut-off gates above feeder housing
- Mezzanine, drum-fill, or gaylord-fill blender stands
- Stainless steel material supply hoppers
- Agitated straight wall regrind hopper with gear motor
- Low-level solid-state proximity sensor for each supply hopper
- Low-profile drawer magnet (3 bar)
- Vacuum take-off boxes mounted below the floor stand
- Premium aluminum spool mounting flange with drain port, 8” x 8” square
- Clean-out doors in spun material supply hoppers, including safety grate or lock-out safety switch
Optional Stands

Mezzanine-mount, drum-fill and gaylord-fill blender stands are available with pneumatic slide gate and controls. The mezzanine-mount stand is 14” high with a 4” OD tube stub for gravity feed. The drum-fill stand is 42” high, and the gaylord-fill stand is 56” high. Off-line floor stands are supplied without pneumatic slide gate, with either 1.9 cu. ft. or 3.5 cu. ft. surge hopper (vacuum take-off box not included). A pneumatic slide gate below the mixer with controls is required for off-line floor mount, or for use with customer-supplied stand or special configurations.

Electrical Options

- 10” color touch-screen in lieu of standard
- Additional touch-screen interface for remote control of blender, with 8 ft. (2.4 m) cable
- 50 ft. (15 m) cable in lieu of standard 8 ft.
- Parallel printer adapter and 6 ft. (1.8 m) cable
- Ethernet module for remote communication
- A3 communication software and Allen-Bradley RSLogix software for unlimited number of new blenders
- 220 V operation (includes CE compliance) 24 volt controls and 220 V mixer motor

Product Diagrams

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Max blending rate, lbs./hr (kg/hr)</th>
<th>Number of materials blended</th>
<th>Supply hopper cap., cu. ft. (l)</th>
<th>Weigh hopper cap., cu. ft. (l)</th>
<th>Typical batch size, lbs. (kg)</th>
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<tbody>
<tr>
<td>OA-002</td>
<td>100 (45)</td>
<td>2-4</td>
<td>0.2 (5)</td>
<td>0.10 (2.8)</td>
<td>3 (1.4)</td>
</tr>
<tr>
<td>OA-012</td>
<td>400 (180)</td>
<td>2-6</td>
<td>0.9 (25)</td>
<td>0.17 (4.8)</td>
<td>5 (2.2)</td>
</tr>
<tr>
<td>OA-060</td>
<td>3000 (1360)</td>
<td>2-6</td>
<td>2.0 (56)</td>
<td>1.4 (39)</td>
<td>30 (13)</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Model</th>
<th>Mixer capacity, lbs. (kg)</th>
<th>Mixer motor size, HP (kW)</th>
<th>Load cell capacity, lbs. (kg)</th>
<th>Material discharge, in. (mm) dia.</th>
<th>Max. Rate lbs/hr (kgs/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OA-002</td>
<td>6 (2.7)</td>
<td>1/6 (0.125)</td>
<td>2 @ 4.4 (2)</td>
<td>2 (76)</td>
<td>100 (45)</td>
</tr>
<tr>
<td>OA-012</td>
<td>40 (18)</td>
<td>0.5 (0.373)</td>
<td>1 @ 22 (10)</td>
<td>3 (76)</td>
<td>400 (180)</td>
</tr>
<tr>
<td>OA-060</td>
<td>75 (34)</td>
<td>1 (0.746)</td>
<td>1 @ 66 (30)</td>
<td>4 (101)</td>
<td>3000 (1360)</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>Machine weight, lbs. (kg)</th>
<th>Shipping weight, lbs. (kg)</th>
<th>Width, in.</th>
<th>Depth, in.</th>
<th>Height, in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OA-002</td>
<td>145 (66)</td>
<td>200 (91)</td>
<td>38</td>
<td>31</td>
<td>33</td>
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<tr>
<td>OA-012</td>
<td>400 (182)</td>
<td>600 (273)</td>
<td>58</td>
<td>33</td>
<td>46</td>
</tr>
<tr>
<td>OA-060</td>
<td>800 (364)</td>
<td>1000 (456)</td>
<td>64</td>
<td>40</td>
<td>77</td>
</tr>
</tbody>
</table>