



**aec**

# BD SERIES

## Gravimetric Blender



The AEC **BD Series** batch weigh blenders are setting new industry standards for accuracy and homogeneous blend quality with quick-acting diamond slide gates, unique mix chambers, and an easy to use touch-screen interface with 3 modes of recipe entry: EZ mode (factory default): color and additives metered as a percentage of the virgin material. (1/2% - 100% range, depending on material) Percentage mode: all ingredients metered as a percentage of the overall batch. (1/2% to 100%, range depending on material) Parts mode: (ratio, i.e. 500:1).

### Standard Features

Color Touch-Screen display and 8' (2.5m) cable, serial printer port, Ethernet port, 100 recipe storage book, alarm light, audible alarm, and 3 modes of recipe entry

Powder coated, mild steel material supply hoppers with machined polycarbonate access doors

Heavy-duty diamond metering gate assemblies

Adjustable stroke limiters for all ingredients (not available with BD-200)

Precision 0.02% span accurate cantilever load cell weigh system

Removable, stainless steel weigh hopper

Removable stainless steel mixer agitator

Stainless steel mixer drawer assembly, bolted in place on BD-4000 and BD-6000 models.

Integrated stainless steel mixer bowl on BD-200

Interlocked safety system shuts off air and electricity if mix chamber is opened

"H" models include two large hoppers with diamond gates and two removable hoppers with vertical gates

7th and 8th components include additive feeders

115/1/50 or 60 and 220/1/50 or 60 supply voltage

### Optional Features

Low-level proximity sensor for each supply hopper

Regrind Auger Metering (RAM) assembly with agitated straight wall hopper

Stainless steel supply hoppers

Blender stands with slide gates

Low-profile drawer-magnet

Additional drop-in hoppers with blank hand fill lids

Vacuum take-off boxes mounted below surge hopper under floor stands

Aluminum spool (premium mounting flange) with drain port

Drain tube with slide gate in supply hopper determining pressure drop within the evaporator

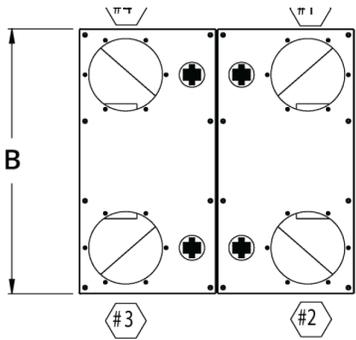
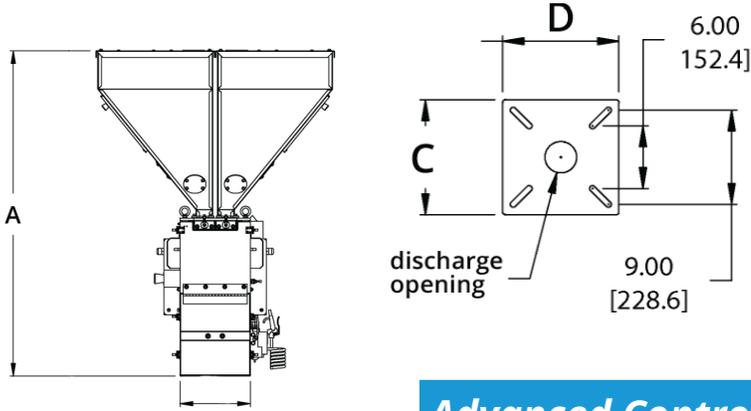
**Compact**

**Innovative**

**Capable**



## Product Diagrams



## Advanced Controller

Advanced Controller with Color Touch Screen  
 Proven Reliability User-friendly.  
 Menu driven interface Remote Mount Display  
 Compact Flash Port and Card for Recipe Book Management Data Logging and Program Updating Can be networked with other blenders and A3 PC Software



## Specifications

Model	200	500	900	2500	4000	6000
<b>Max. Blending Rate lbs./hr. (kgs./hr.)</b>	200 (90)	500 (227)	900 (410)	2500 (1135)	4000 (1815)	6000 (2725)
<b># of materials to be blended</b>	2-4	2-6	2-8			
<b>Slide gate size, Majors in. (mm.)</b>	2.0 (50)	2.0 (50)		2.5 (63)	2.5 (63)	
<b>Slide gate size, Minors in. (mm.)</b>	1.5 (38)	1.5 (38)		2.0 (50)	2.0 (50)	
<b>Supply hopper capacity, Majors</b>	0.7 (20)	0.7 (20)		3.0 (85)	3.0 (85)	
<b>Supply hopper capacity, Minors</b>	0.2 (5)	0.2 (5)		2.7 (77)	2.7 (77)	
<b>Weigh hopper cap., cu.ft (l)</b>	0.18 (50)		0.38 (11)	0.82 (23)	1.23 (34)	35 (15.8)
<b>Typical batch size lbs. (kgs.)</b>	4 (1.8)		8 (3.6)	25 (11.3)	2.17 (61)	45 (20.4)
<b>Mixer capacity cu.ft. (l)</b>	0.25 (7)		0.56 (16)	1.1 (31)	2.72 (77)	
<b>Mixer motor size HP (kW)</b>	1/6 (0.124)			1/3 (0.25)	1 (0.75)	
<b>Mixer RPM</b>	21			22		
<b>Load cell capacity kgs.</b>	2 @ 3 kgs.		2 @ 5 kgs.	2 @ 10 kgs.	2 @ 15 kgs.	2 @ 20 kgs.
<b>Discharge opening in. (mm.)</b>	3.0 (76.2)			4.0 (102)		
<b>A, in. (mm.)</b>	41.5 (1054)	51.5 (1308)	56.5 (1435)	69.5 (1765)	85.5 (2172)	89.5 (2337)
<b>B, in. (mm.)</b>	37.5 (952)		37.0 (940)	45.5 (1156)	57.5 (1461)	
<b>C, D, in. (mm.)</b>	11x11 (280x280)		14x15 (355x457)	17x18 (432x453)	22x24 (559x610)	
<b>Machine Weight</b>	375 (170)		450 (205)	650 (295)	1100 (500)	

