

MDW Series

Gravimetric Blending Unit



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Gravimetric Blending Unit

Models 400, 600, 1200 & 1800

MDW gravimetric blenders are available in throughputs from 880 to 3,960 Lbs./hr (400 to 1800 kg/hr) and can feed and weigh up to 8 granular materials, providing one of the most versatile selections of hopper capacities, slide-gate sizes and auger combinations available.

Clean-out is quick with large high-flow slide-gate drain out ports including standard hose connections at each hopper. Large hinged windows, in addition to hinged lids on most hopper sizes, offer quick access to the interior. A removable mixer blade on smaller sizes allows for thorough mixer cleaning.

Options for one or two regrind components that include enlarged hopper capacities, support brackets and paddle type level sensors are a perfect solution for those hard to flow flake regrinds.



Standard Specifications & Features:

- Modular Construction
- Inclined Slide-Gates
- Stainless Steel Mixing Chamber Mounted on Load Cell
- User Friendly Touch Screen Control that Can be Hand-Held up to 15ft Away
- Up to 8 Individual Feeding Stations
- External Slide-Gate Style Clean-Outs with Hose Connections
- Hinged Hopper Lids with Multiple Loader Patterns Available
- Low Level Sensors for Feed Hoppers
- LED Alarm Pendant
- Stainless Steel Feed Hoppers on Most Models
- Compact 90° Gear-drive Mixer Motor
- Power; MDW400 & 600, 220/1/60
MDW1200 & 1800, 460/3/60

10" Premium EVO Control Touch-screen Interface

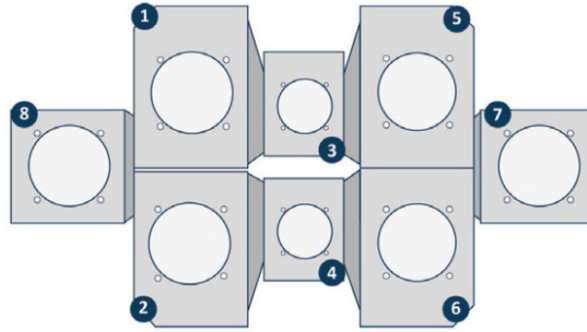


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Wf Winfactory 4.0
4.0 R E A D Y

F.A.C.S. 4.0 READY
Factory Acusition Control System

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MDW-400

Station 1:

45x45mm, 30LIT. Hopper Ø 280mm Flange

Loading Chambers; **LS95, LS2-0.75, SC55**

Station 2

- A. Slide-Gate 45x45mm, 30 LIT. Hopper Ø 280mm
- B. Slide-Gate 20x20mm, 30 LIT. Hopper Ø 280mm¹
- C. Large Slide Gate 45x140mm, 70LIT. Hoper Ø 450mm
- D. Reduction Flange From Ø 450>280mm

Loading Chambers; **LS95, LS2-0.75, SC55**

Station 3 or 4:

- A. Slide Gate 20x20mm, 10LIT. Hopper Ø 185mm
- B. Auger Dos. 10x12mm, 10LIT. Hopper Ø 185mm (Microgranule)
- C. Auger Dos. 16x15mm, 10LIT. Hopper Ø 185mm (Reg. granule)
- D. Auger Dos. 20x8mm, 10LIT. Hopper Ø 185mm (Regrind Max. Ø 8mm, [5/16"])

Loading Chambers; **LS45, LS2-0.25, SC55**

Station 5 or 6

- A. Slide Gate 45x45mm, 30 LIT. Hopper Ø 280mm
- B. Slide Gate 20x20mm, 30 LIT. Hopper Ø 280mm

Loading Chambers; **LS95, LS2-0.75, SC55**

Station 7 or 8

- A. Auger Dosing Station, 20LIT. Hopper Ø 280mm
 - 1. Auger Ø16x16mm (Microgranule)
 - 2. Auger Ø25x30mm (Reg. Granule)
 - 3. Auger Ø34x50mm (Regrind Max. Ø 8mm, [5/16"])

Loading Chambers; **LS95, LS2-0.75, SC55**

MDW-1200

Station 1:

100x75mm, 90LIT. Hopper Ø 450mm Flange

Loading Chambers; **LS2-1.5**

Station 2:

- A. Slide Gate 100x75mm, 90LIT. Hopper Ø 450mm
- B. Large Slide Gate 200x75mm, 130LIT. Hopper Ø 578mm

Loading Chambers; **LS2-1.5**

Station 3 or 4:

- A. Slide Gate 55x55mm, 40LIT. Hopper Ø 280mm
- B. Slide Gate 25x25mm, 40LIT. Hopper Ø 280mm
- C. Auger Dos. Ø 20x15mm (3 Threads) (Reg. granule)
- D. Auger Dos. Ø 20x30mm (Single Thread) (Regrind Max. Ø8mm, [Ø5/16"])

Loading Chambers; **LS2-1.5**

Station 5 or 6:

- A. Slide Gate 55x55mm, 45LIT. HOPPER Ø 280mm
- B. Slide Gate 25x25mm, 45LIT. HOPPER Ø 280mm

Loading Chambers; **LS2-1.5**

Station 7 or 8:

- A. Auger Station, 20LIT. Hopper Ø 280mm
- B. Auger Ø16x16mm (Microgranule)
- C. Auger Ø25x30mm (Reg. granule)
- D. Auger Ø34x50mm (Regrind Max. Ø8mm, [Ø5/16"])

Loading Chambers; **LS2-1.5**

MDW-600

Station 1:

55x55mm, 45LIT. Hopper Ø 280mm Flange

Loading Chambers; **LS95, LS2-0.75**

Station 2:

- A. Slide-Gate 55x55mm, 45 LIT. Hopper Ø 280mm
- B. Slide-Gate 25x25mm, 45 LIT. Hopper Ø 280mm
- C. Large Slide Gate 55x160mm, 90LIT. Hoper Ø 450mm Reduction Flange From Ø 450>280mm

Loading Chambers; **LS95, LS2-0.75**

Station 3 or 4:

- A. Slide Gate 55x55mm, 40LIT. Hopper Ø 280mm
- B. Slide Gate 25x25mm, 40LIT. Hopper Ø 280mm
- C. Slide Gate 25x25mm, 17LIT. Hopper Ø 185mm
- D. Auger Dos. 17LIT. Hopper Ø 185mm
- E. Auger 16x8mm (3 Threads) (Reg. granule)
- F. Auger 20x15mm (3 Threads) (Regrind Max. Ø8mm, [Ø5/16"])

Loading Chambers; **LS95, LS2-0.75**

Station 5 or 6:

- A. Slide Gate 55x55mm, 45LIT. HOPPER Ø 280mm
- B. Slide Gate 25x25mm, 45LIT. HOPPER Ø 280mm

Loading Chambers; **LS95, LS2-0.75, C15**

Station 7 or 8

- A. Auger Station, 20LIT. Hopper Ø 280mm
- B. Auger Ø16x16mm (Microgranule)
- C. Auger Ø25x30mm (Reg. granule)
- D. Auger Ø34x50mm (Regrind Max. Ø8mm, [Ø5/16"])

Loading Chambers; **LS95, LS2-0.75, C15**

MDW-1800

Station 1:

100x75mm, 90LIT. Hopper Ø 450mm Flange

Loading Chambers; **LS2-3.0**

Station 2:

- A. Slide Gate 100x75mm, 90LIT. Hopper Ø 450mm
- B. Large Slide Gate 200x75mm, 130LIT. Hopper Ø 578mm

Loading Chambers; **LS2-3.0**

Station 3 or 4:

- A. Slide Gate 55x55mm, 40LIT. Hopper Ø 280mm
- B. Slide Gate 25x25mm, 40LIT. Hopper Ø 280mm
- C. Auger Dos. Ø 20x15mm (3 Threads) (Reg. granule)
- D. Auger Dos. Ø 20x30mm (Single Thread) (Regrind Max. Ø8mm, [Ø5/16"])

Loading Chambers; **LS2-1.5**

Station 5 or 6:

- A. Slide Gate 100x75mm, 90LIT. HOPPER Ø 450mm

Loading Chambers; **LS2-1.5**

Station 7 or 8:

- A. Auger Station, 20LIT. Hopper Ø 280mm
- B. Auger Ø16x16mm (Microgranule)
- C. Auger Ø25x30mm (Reg. granule)
- D. Auger Ø34x50mm (Regrind Max. Ø8mm, [Ø5/16"])

Loading Chambers; **LS2-1.5**



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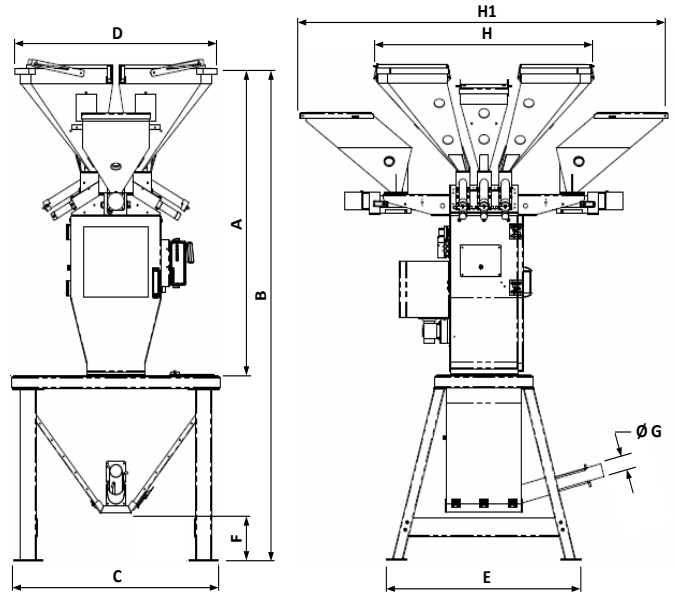
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Control:

Premium Control

The Premium control features fast response and simple user setup. The bright 10" Premium EVO touch screen panel with full color screen allows quick and easy setup of blender set points. A single screen summarizes all key information about the blender's operation, including the comparison between the set point and material weights. Quick access to additional functions, such as password management and event/ alarm management. Once the percentages of the formulas have been set, the blender starts feeding immediately and reaches the stabilization of the dosed quantities after few batches.

The standard configuration includes a USB interface allowing for easy download to a thumb drive for evaluation of data off line.



Models		MDW400	MDW600	MDW1200	MDW1800
Max Throughput rate	lbs./h	880	1320	2640	3960
	kg/h	400	600	1200	1800
Minimum Dosing - Standard Slide Gate Station	%	1.5			
Minimum Dosing - Slide Gate Station with Reducer	%	0.5			
Minimum Dosing - Auger Station	%	0.3			
Dosing Range - Oversize Slide Gate Station	%	10 - 100		15 - 100	
Capacity of Dosing Station	Ft ³	.35 - .7 - 1.1 - 2.5	.6-.7-1.4-1.6-3.2	.7 - 1.4 - 1.6 - 3.2 - 4.6	
	Lt	10 - 20 - 30 - 70	17-20-40-45-90	20 - 40 - 45 - 90 - 130	
Capacity of Mixing Chamber	Ft ³ (Lt)	0.57 (16)		2.1 (60)	
Batch Weight	lbs (Kg)	7.7 (3.5)	11 (5)	26.4 (12)	44 (20)
Station 1	Ft ³ (Lt)	1.1 (30)	1.6 (45)	3.2 (90)	
Station 2	Ft ³ (Lt)	1.1/2.5 (30/70)	1.6/3.2 (45/90)	3.2/4.6 (90/130)	
Station 3	Ft ³ (Lt)	0.4 (10)	1.4/0.6 (40/17)		
Station 4	Ft ³ (Lt)	0.4 (10)	1.4/0.6 (40/17)	1.4 (40)	
Station 5	Ft ³ (Lt)	1.1 (30)	1.6 (45)		3.2 (90)
Station 6	Ft ³ (Lt)	1.1 (30)	1.6 (45)		3.2 (90)
Station 7	Ft ³ (Lt)	0.7 (20)	0.7 (20)		
Station 8	Ft ³ (Lt)	0.7 (20)	0.7 (20)		
Total Installed Power (230, 460, 575/3/60 Hz)	KVA	0.31		0.9	
Dimension "A"	in (mm)	54.1 (1375)	62.6 (1591)	72.4 (1839)	
Dimension "B" (Standard Stand)	in (mm)	86.5 (2198)	95 (2414)	104.8 (2662)	
Dimension "B" (Gaylord Fill Stand)	in (mm)	98 (2488)	106.4 (2703)		
Dimension "C" (Standard Stand)	in (mm)	39.2 (995)		51.2 (1300)	
Dimension "C" (Gaylord Fill Stand)	in (mm)	40.2 (1020)			
Dimension "D"	in (mm)	38.9 (988)	44.3 (960)	46.7 (1185)	
Dimension "E" (Standard Stand)	in (mm)	37.6 (954)		44.3 (1124)	
Dimension "E" (Gaylord Fill Stand)	in (mm)	40.2 (1020)			
Dimension "F"	in (mm)	8.3 (210)			
Dimension "G"	in(mm)	2, 2.5, 3, 4 (51, 64, 76, 102)			
Dimension "H"	in (mm)	41.3 (1050)	41.7 (1060)	51.8 (1315)	55.5 (1410)
Dimension "H1"	in (mm)	70.9 (1800)		81.5 (2070)	
Weight	lbs. (kg)	529 (240)	617 (280)	882 (400)	992 (450)

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