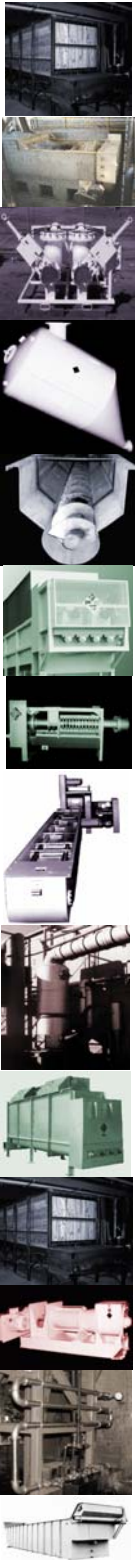




Raw Material Bins

Flexible, Durable, Long Lasting Performance...



Common Features of Alloy Bins:

- ◆ Extra Heavy Structural Members
- ◆ Extra Heavy Troughs
- ◆ Extra Heavy Auger Pipes
- ◆ Extra Heavy Sectional Augers
- ◆ Continuous Welded Flighting
- ◆ Dodge Bearings
- ◆ Packing Glands or Mechanical Seals
- ◆ Variable Pitch Augers (where needed)

Material characteristics, real estate limitations, plant layout, environment and user preferences are all involved in picking the raw material system best suited for your operation. Alloy offers such a broad line of solutions you need only pick which is right for your operation.



This dual auger Poultry Raw Material Bin features hydraulic drives powered by the same hydraulic system that powers the Alloy Piston Pump. The piston pump conveys the materials into the process.

This customer application required a bin that could handle materials that varied from whole chickens to dissolved air flotation fats. In addition the bin had to be capable of delivering the materials at variable rates to match process capacity. Alloy designed a non-bridging bin with hydraulic motors to control auger speed. The bin discharged to a Piston Pump that shared the bin drive hydraulic system.

Alloy Hardfacing & Engineering Co., Inc.

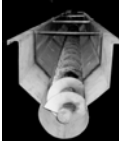
20425 Johnson Memorial Drive
Jordan, MN 55352 USA

Phone: 1-800-328-8408 952-492-5569 Fax: 952-492-3100
www.alloyhardfacing.com or email msa@alloyhardfacing.net

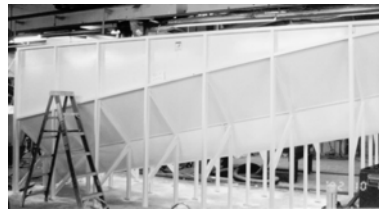


Alloy offers a variety of solutions for raw material bins including:

- ◆ Above Ground Bins
- ◆ In Ground Bins
- ◆ Incline Bins
- ◆ Tapered Bins
- ◆ Live Bottom Bins
- ◆ D.A.F. Bins



This 200,000 pound capacity bin in ready for shipment to the Alloy Field Service Team for installation.



Due to other plant layout considerations, this above ground bin needed to provide for elevation of the materials as they discharged resulting in a double taper bin.



Capacity	Density	Bin Sizing			In Cubic Feet	
	35#/ft3	40#/ft3	45#/ft3	50#/ft3	55#/ft3	60#/ft3
10,000	286	250	222	200	182	167
15,000	429	375	333	300	273	250
20,000	571	500	444	400	364	333
25,000	714	625	556	500	455	417
30,000	857	750	667	600	545	500
35,000	1,000	875	778	700	636	583
40,000	1,143	1,000	889	800	727	667
45,000	1,286	1,125	1,000	900	818	750
50,000	1,429	1,250	1,111	1,000	909	833
55,000	1,571	1,375	1,222	1,100	1,000	917
60,000	1,714	1,500	1,333	1,200	1,091	1,000
65,000	1,857	1,625	1,444	1,300	1,182	1,083
70,000	2,000	1,750	1,556	1,400	1,273	1,167
75,000	2,143	1,875	1,667	1,500	1,364	1,250
80,000	2,286	2,000	1,778	1,600	1,455	1,333
85,000	2,429	2,125	1,889	1,700	1,545	1,417
90,000	2,571	2,250	2,000	1,800	1,636	1,500
95,000	2,714	2,375	2,111	1,900	1,727	1,583
100,000	2,857	2,500	2,222	2,000	1,818	1,667
105,000	3,000	2,625	2,333	2,100	1,909	1,750
110,000	3,143	2,750	2,444	2,200	2,000	1,833
115,000	3,286	2,875	2,556	2,300	2,091	1,917
120,000	3,429	3,000	2,667	2,400	2,182	2,000
125,000	3,571	3,125	2,778	2,500	2,273	2,083
130,000	3,714	3,250	2,889	2,600	2,364	2,167
135,000	3,857	3,375	3,000	2,700	2,455	2,250
140,000	4,000	3,500	3,111	2,800	2,545	2,333
145,000	4,143	3,625	3,222	2,900	2,636	2,417
150,000	4,286	3,750	3,333	3,000	2,727	2,500
155,000	4,429	3,875	3,444	3,100	2,818	2,583
160,000	4,571	4,000	3,556	3,200	2,909	2,667

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