

Automated Bag Opening & Batch Mixer Ingredient Preparation System



Application Details:

NBE CSO: E342034048

Material: Various Bakery Ingredients

Bulk Density: Varies

Type of Package: Kraft Paper Bag

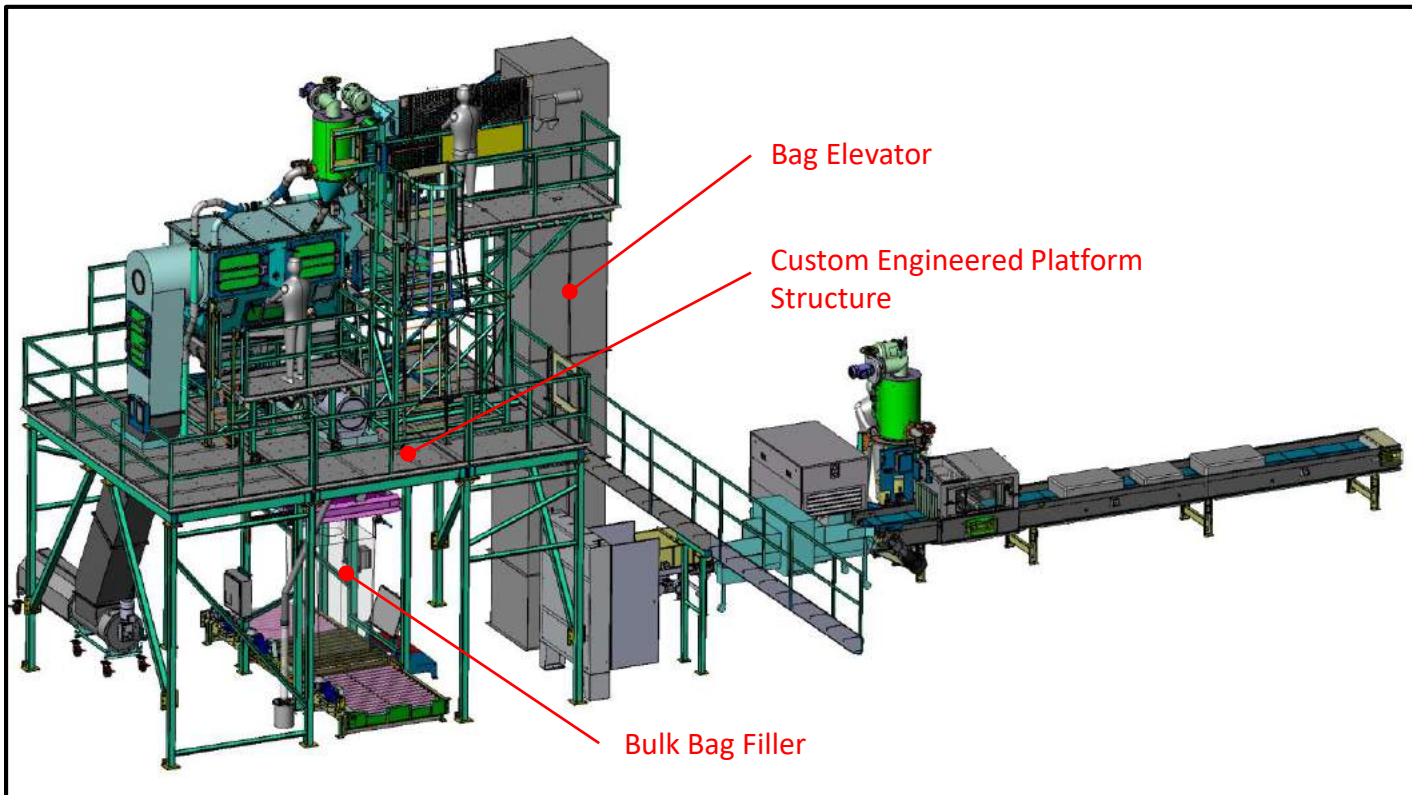
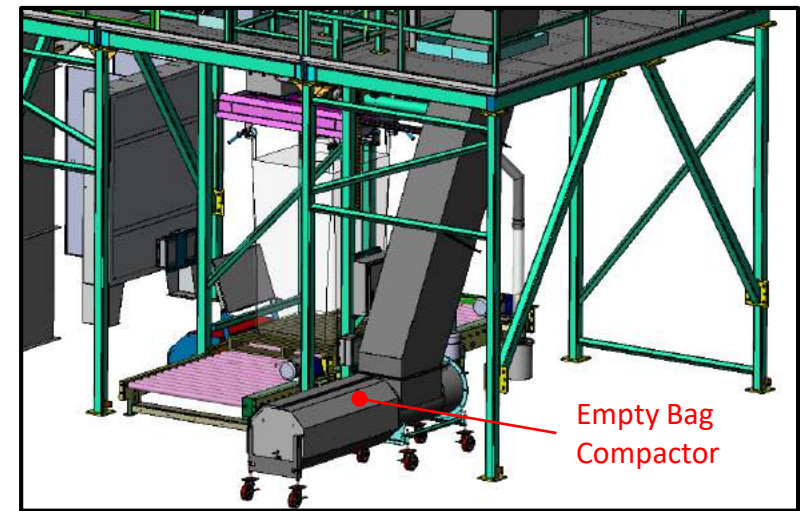
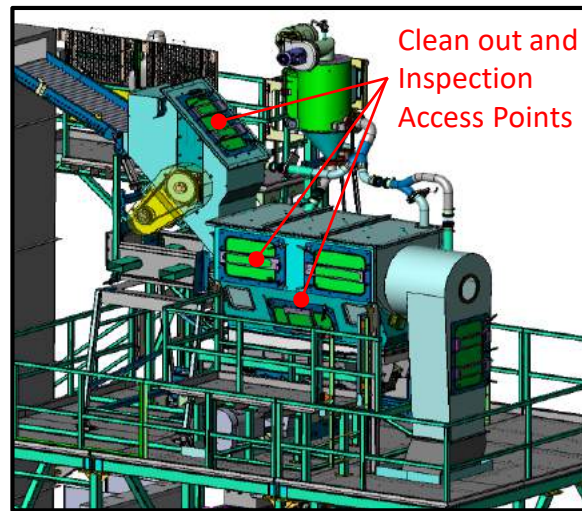
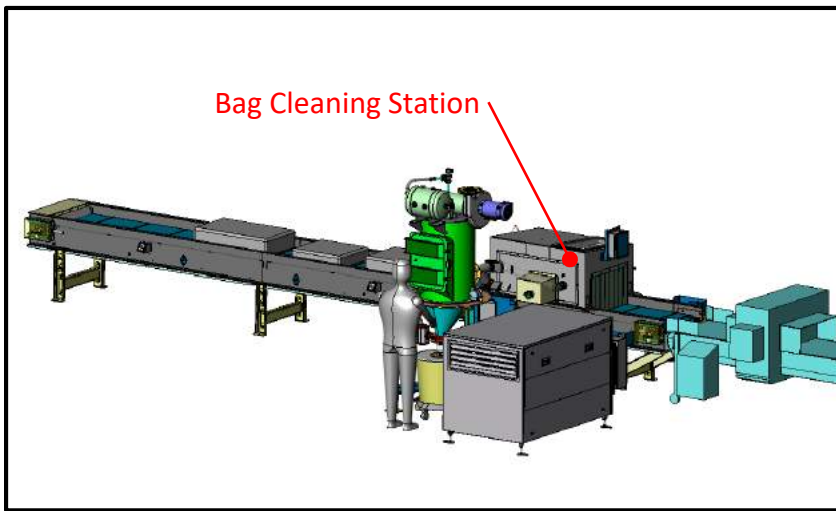
Area Classification: Class II Division 2 Group G

Clean Procedure: Dry Wipe

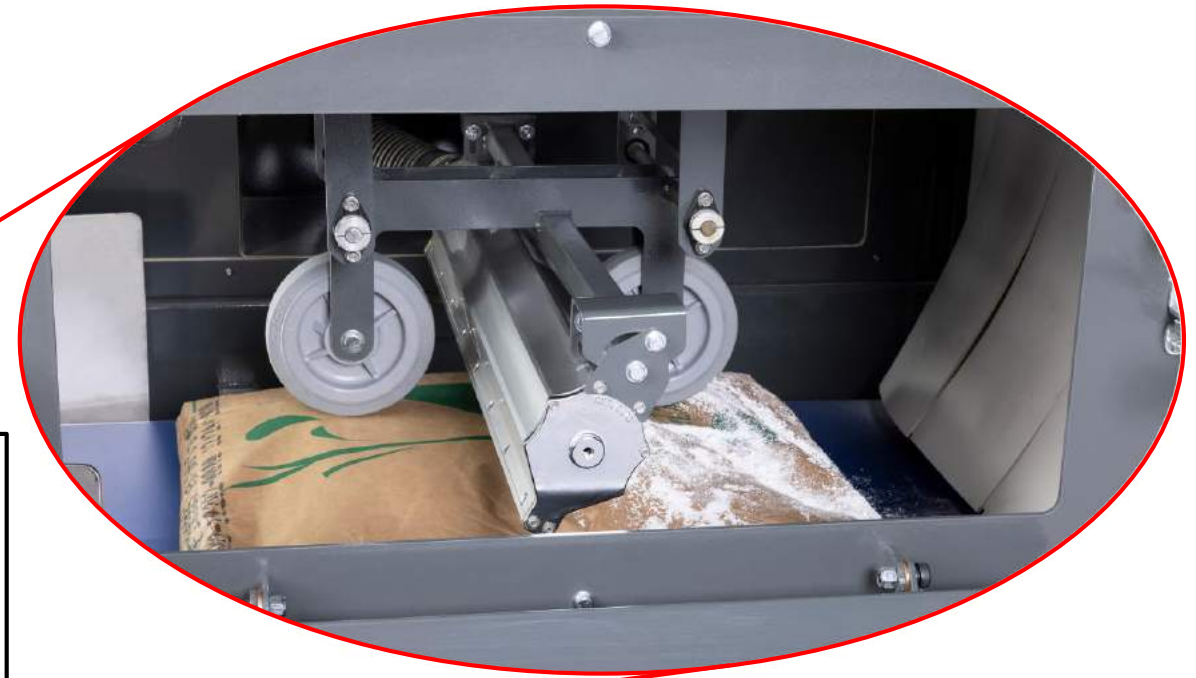
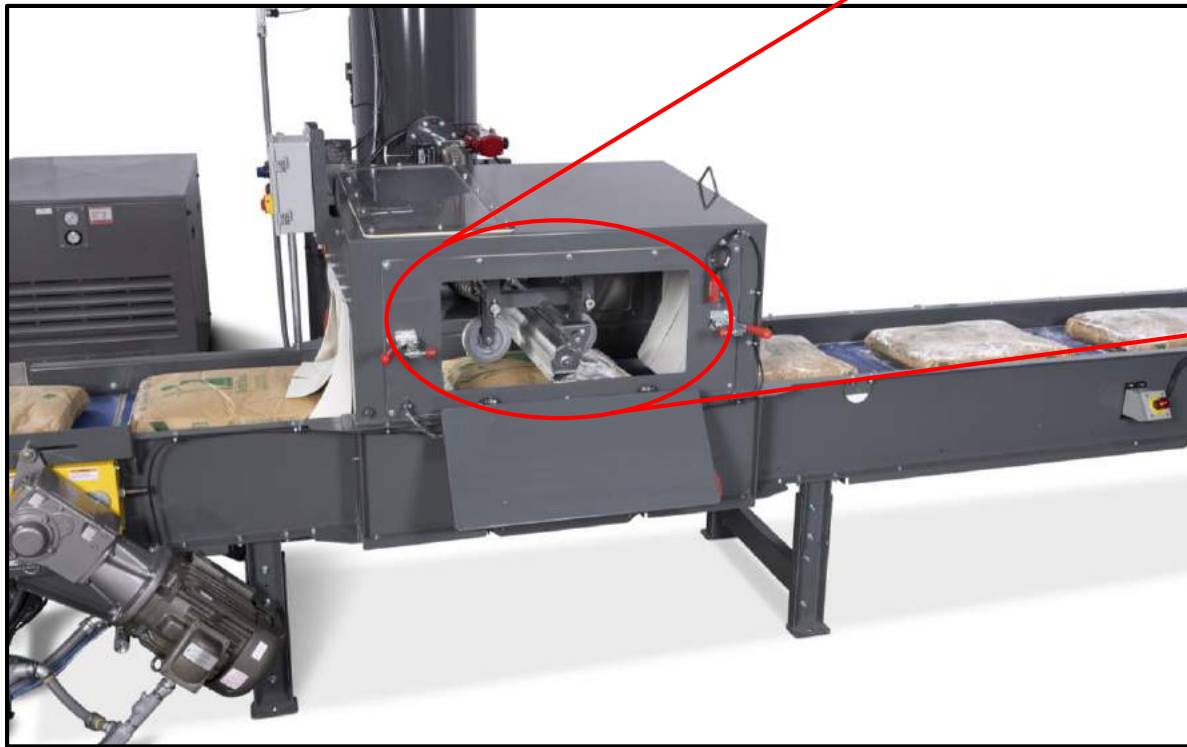
2020 Project Value: \$718,256.00

Application Overview:

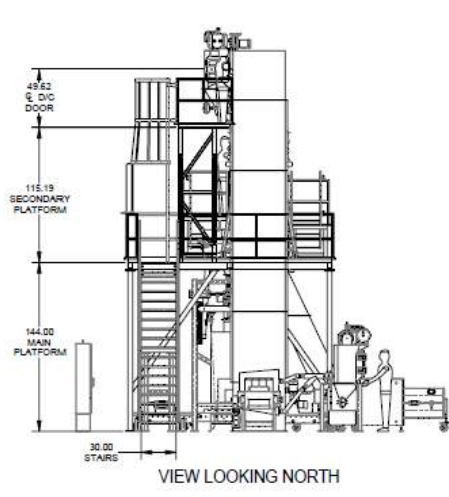
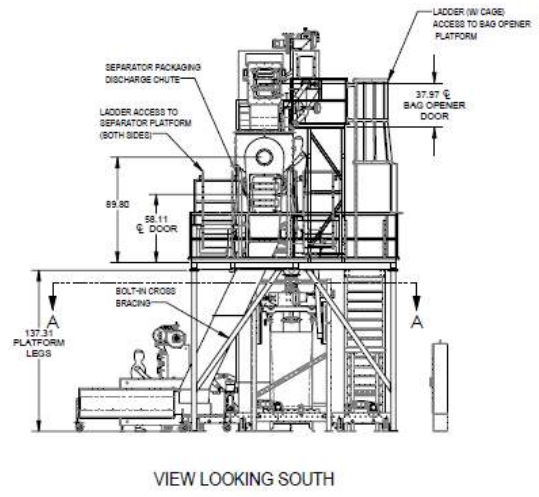
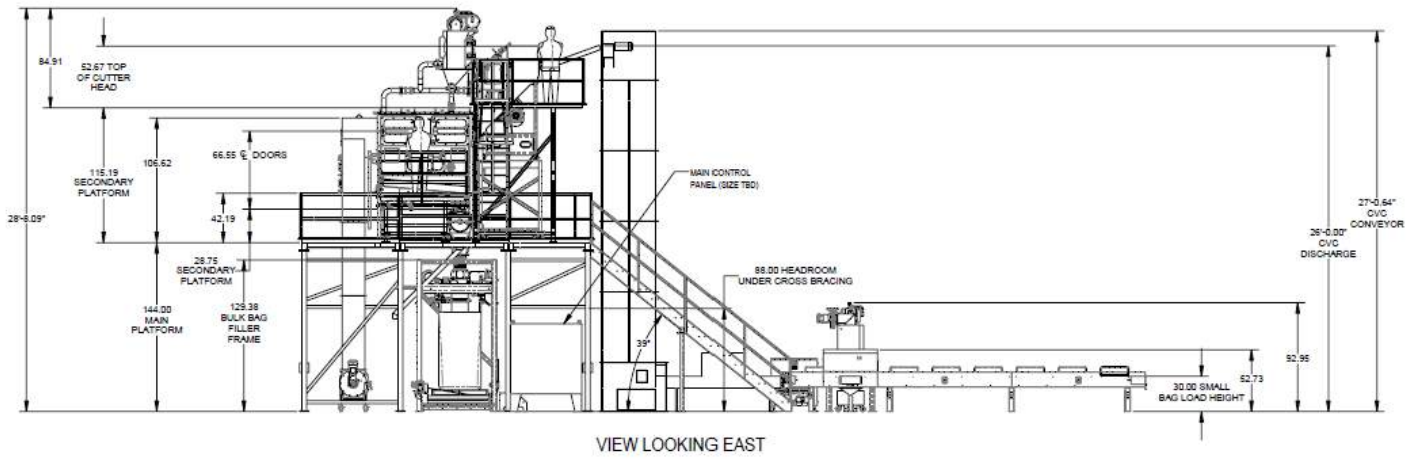
Customer that manufactures bakery mixes needed a high speed batching system for their mixers. Most of their ingredients for their batches are supplied in 50 lb. bags. They wanted to streamline the bag opening process for their blends and be able to store batches in bulk bags so that these would be available to discharge into the mixers when needed. This would avoid having the bag opening process being the bottleneck to their production of bakery mixes. National Bulk Equipment supplied a high speed sanitary bag opening system operating at a rate of 12 bags/minute to meet the production needs of the customer. Bags were conveyed to the bag opening system by a series of conveyors and a bag elevator. The bag opening system automatically opened and separated out the ingredients from the bags. A series of screens were integrated within the bag opening process to achieve product quality. A bulk bag filling system was provided underneath the discharge of the bag opener. Ingredients discharged into a bulk bag and the empty bags were sent to a compaction unit. These fully batched bulk bags could now be stored and used as needed in their process.



Bag Cleaning Station



REVISIONS		NAME	DATE
LET	REVISION NOTES	TJB	12/14/2020
A	ISSUED FOR APPROVAL		



PURCHASE ORDER NO: 251839
 NBE CSO #: E342034048
 NBE JOB #'s:
 - BAG OPENER J39131
 - CONVEYOR J39132
 - SIFTER J39133
 - COMPACTOR J39134
 - PLATFORM J39135
 - CONTROLS J39136
 - DUST COLLECTOR J39137
 - BULK BAG FILLER J39138

GENERAL ARRANGEMENT - ELEVATION VIEWS

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NOT APPROVED: REVISE AND RESUBMIT	
APPROVED BY: [Signature]	NATIONAL BULK EQUIPMENT 12300 STAINLESS DR., HOLLAND, MICHIGAN 49424 PHONE: (616) 366-3220 www.nbe-inc.com
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