

Webster Griffin
packed with know how

Case Study 0458

BioMar

FISH FEED

High Speed Big Bag Filling





THE CLIENT

Representing good honest Yorkshire value, Harringtons and Wagg pet food are popular brands produced by Yorkshire firm IPN. Harringtons is a family owned business that understands the importance of giving pets the best possible food, using quality ingredients that are locally sourced where possible and free from artificial colours and flavourings.

Webster Griffin were awarded the contract to design, manufacture and supply the latest high speed packing line for Harringtons.

THE CHALLENGE

Biomar aimed to increase productivity through a new line of equipment, this presented a range of challenges including:

- The customer needed the adaptability to fill six bag types on the new line
- Abrasive product with oil contact meaning product had to be well contained at all times
- BioMar required food grade components
- A high throughout of throughput 25-30 bags an hour
- Adaptable for weights of 500, 1000, 1050, 1250kg

THE SOLUTION

BioMar's factory at Grangemouth, Scotland contacted Webster Griffin in search of a new bagging line to fill 500 - 1250kg bags of pelleted fish feed.

- After several consultations with the customer, Webster Griffin supplied the following solution ideal for the industrial scale installation.
- One IBC-PF4 Big Bag filler with weigh-fill system including product dosing system, suitable for filling bags at a rate of up to 25-30 bags/hr
- An electronic load cell weighing system to consistently weigh and fill fine free flowing products into big bags.
- Heavy duty welded box section support frame for easy cleaning.
- Inflatable spout to provide a dust tight seal during filling.
- A heavy duty powered belt conveyor to accumulate 9 filled bags allowing for discharge and offloading in batches.
- An electronic weighing controller with net weight info interfaced with the customer's plant control system.

THE RESULT

The installation of the integrated system presented a number of key benefits to BioMar.

- BioMar are delighted with the performance of 1 & 4 loop Bulk Bags being packed at 25- 30 bags/ hr, and weight accuracy of under +/- 1kg of each Big Bag filled.
- Printing of 'passport' tickets for bags means they have enhanced 'tracability' of their product.
- Flexibility – the system catering to various different bag shapes and sizes means BioMar can respond to customer demands immediately.
- Reduced 'product giveaway' means customers aren't left shortchanged and Biomar do not giveaway free Fish Feed and in turn lose capital.

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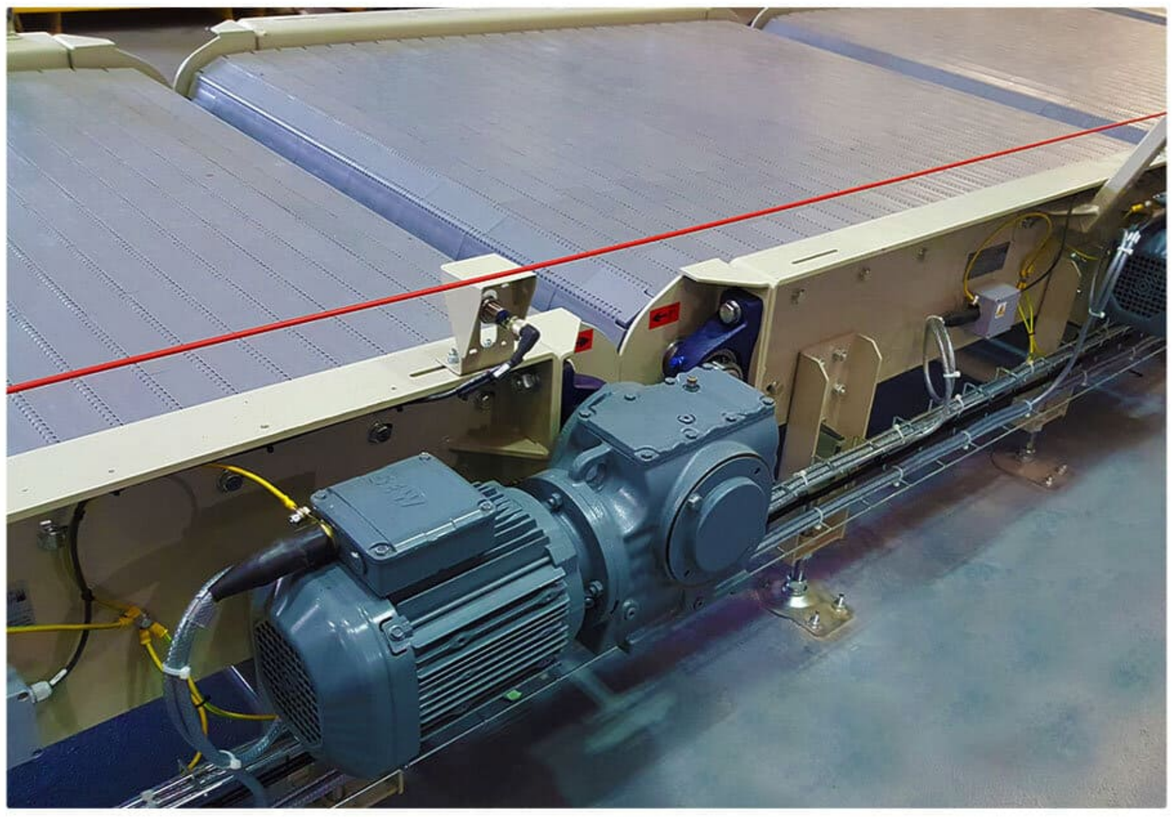
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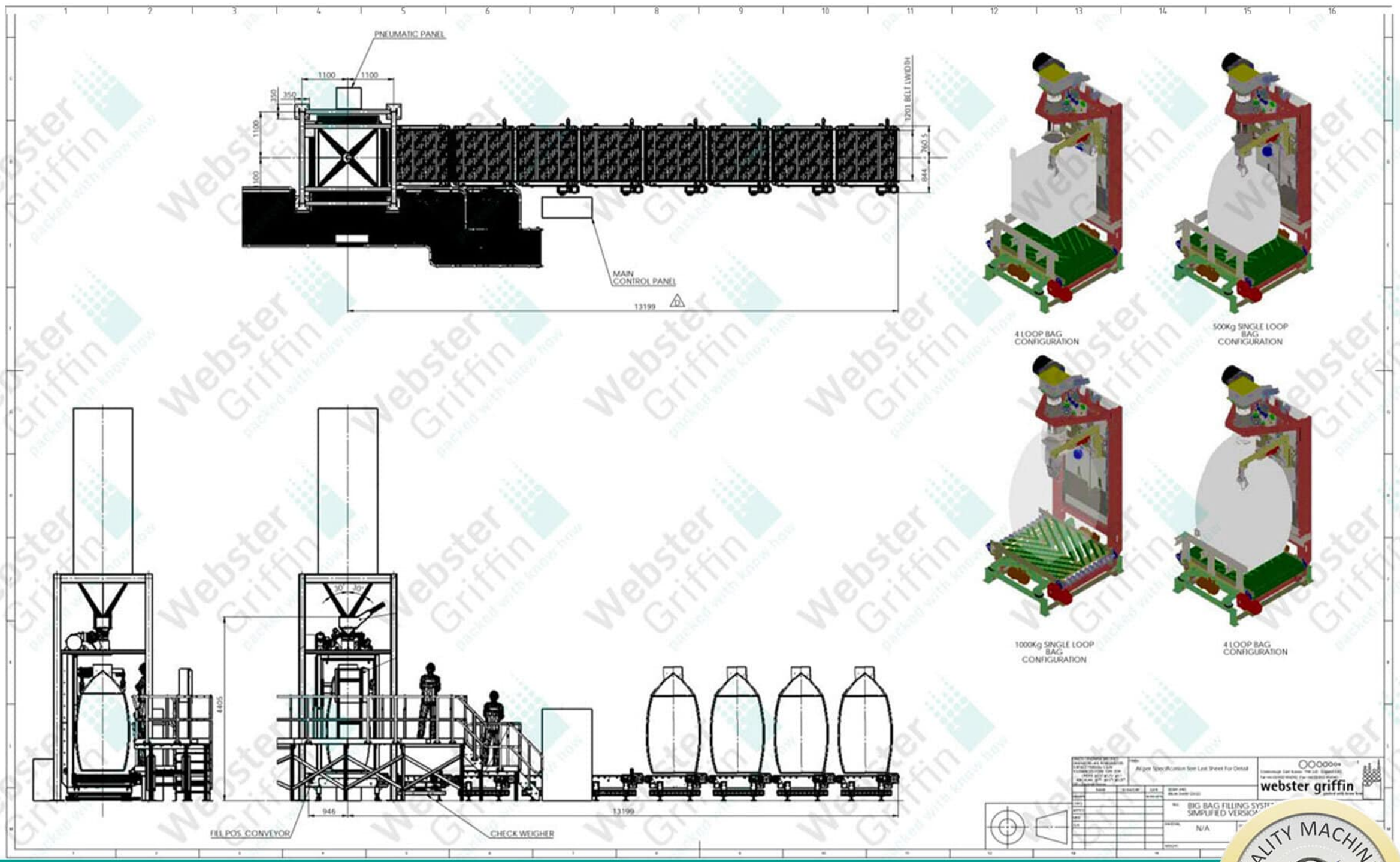
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