webster griffin
packed with know how

Sugar

"The natural choice for Barbados Sugar" - Webster Griffin design and supply modern packaging complex for unrefined cane sugars!



"Plantation Reserve" – natural, light cane sugar from Barbados

CHALLENGE

To design, engineer and supply a modern sugar packing facility, enabling BAMC to ship its unique brown sugars to a wide variety of domestic retailers and international clients.

SOLUTION

Webster Griffin tailored the design of the system to meet BAMC's unique requirements including a Big Bag filling line, a high speed Form Fill Seal and an automatic 3g - 10g sachet/pouch packing system.

RESULT

Barbados Sugar is now equipped to supply its speciality cane sugars to a wide range of customers in a variety of bag weights and formats. BAMC's modern packing facility enables them to ship sugar with confidence to global markets.

The Client

Barbados Agricultural Management Company Ltd (BAMC) manufactures high quality speciality cane sugars. Its local brand "Muscovado Gold" is an unrefined, high quality, pure, deeply aromatic Barbados cane sugar with a distinct molasses taste. Its famous "Plantation Reserve" – golden granulated sugar - is exported worldwide.

Barbados Agricultural Management Company Ltd (BAMC) looks after the harvesting and crushing of the canes, the refining process, as well as the international marketing of the sugar it produces.

Benefits

New packing facility from Webster Griffin enables BAMC to: -

- **Appeal to wider international markets and regional customers.** BAMC can now deliver their unique sugar in: -
  – 500 g – 2.5 kg consumer packs for distribution to retail outlets and shops.
  – 3 g – 8 g "coffee shop" sachets and stick packs, for sale to local restaurants, hotel chains and airlines.
  – FIBC/Bulk Bags for delivery of their sugar to wholesale/re-pack operations in Europe and US.
- **Realize cost efficiencies** resulting from integrating all packaging operations at a central location.
- **Operate a method of filling Bulk Bags**, which provides an economical and versatile means of storing their sugar before packing into small bags.
- Operate a **HACCP compliant** and hygienic packing facility.

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CHALLENGE



BAMC's new storage and packing facility in Portvale, St James

BAMC needed to replace 50 kg bags with FIBC's Jumbo Bags in order to have a more efficient method of packing sugar for export. They also wanted to bring in-house the packing of retail/consumer packs for local shops and their speciality sugars for international markets.

- Product had to be handled and packed hygienically throughout the packing process.
- Visibility of contents – BAMC wanted consumers to be able/see and appreciate the distinctive colour and texture of their unique muscavado sugar.
- To design and build an integrated "state of the art" control system to run the packing complex.
- To provide a flexible, hygienic, traceable method of intermediate storage - The sugar harvest is seasonal therefore BAMC proposed using Big Bags for intermediate buffer storage, before their sugar is packed into small, 1 kg retail bags or 3 g sachets. Bulk Bags also provide the ideal unit load for shipment to re-packers worldwide.
- Improve hygiene control - equipment had to achieve HACCP standards and be EC compliant.
- A partner to act as a project manager - BAMC does not have an in-house project engineering or design team so needed a partner to undertake the entire project from conceptual design and integrate the packing equipment within their manufacturing process and existing building.

SOLUTION



Bulk bags – perfect for worldwide distribution and also provide convenient unit load for intermediate storage

Webster Griffin tailored a "Turn-Key" solution to BAMC's unique requirements incorporating: -

- Equipment to convey the freshly crystallised sugar from the process into an intermediate/day silo.
- Big Bag IBC-PF2 filling line with patented semi-suspension concept, which ensures that the total volume of the bag is used.
- Velocity Form Fill Seal packer for 500g - 2.5kg retail packs.
- Rogue dust collection and filtration system.
- Big Bag emptying station with product conveyor to the FFS packing line
- Quality assurance and traceability - every Big Bag is check weighed and logged. An identification printed ticket is inserted into a pocket on the side of the full bag.
- Traceability – assured by printing code onto every small bag or packet, which is made on the FFS machine at the point of filling.

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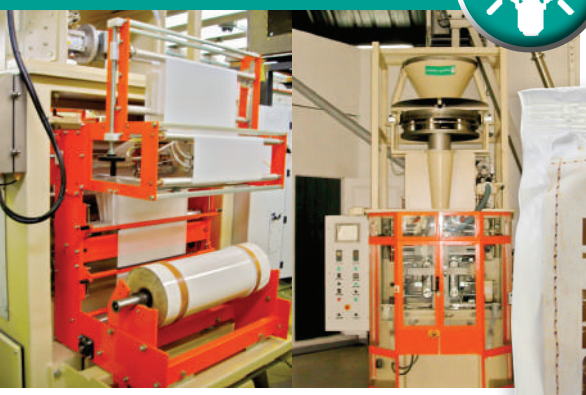
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SOLUTION



Velocity FFS provides optimum method of packing sugar for high volume retail markets



- Metal contamination – before packing into bags all sugar has to pass through an in-chute metal detector and magnetic trap.
- Plastic film - provides an attractive and robust retail package with excellent shelf life.
- All packages and Big Bags are palletized and protected by stretch wrapping before leaving the packing hall.

RESULT



Form fill seal bag being proudly displayed!

BAMC successfully commenced operation of their new integrated Bulk Bag and retail packaging facility. They can now respond to the needs of their international and local clients with confidence.

Webster Griffin – Sugar Know How

Webster Griffin systems are now packing sugar worldwide with lines operating in Barbados, the Middle East, the UAE, the Philippines, Portugal, Saudi Arabia, Turkey and the UK!

"With Webster Griffin's help, BAMC has achieved greater efficiency and marketing control of their unique products."

Mark Wilson, Export Sales Director



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