Case Study 0340

Norman EmersonGroup
the cornerstone of excellence

Webster Griffin
packed with know how

SAND & GRAVEL

Form Fill Seal Bag Packing System





THE CLIENT

The Norman Emerson Group has been operating in Ireland since 1945, they supply the construction, horticultural and landscaping industries with concrete and a range of outdoor surfacing solutions.

The company's vision is "to be the premier quality supplier of choice for sand, concrete, quarry aggregate, decorative stone and associated products in our chosen markets".

Norman Emerson selected Webster Griffin to design and supplya completely automatic system for bagging and palletising dredged sand and aggregates.

THE CHALLENGE

- Webster Griffin had the challenge of designing a complete system including a new Form Fill Seal Bagging Machine, an Okura A1600 Palletising Robot, an automatic pallet stretch hooder and pallet moving system to meet increasing consumer demand.
- The fully automatic bagging machine must be suitable for the bagging of sticky, wet, dredged sand and aggregates.
- The bagging system must be able to operate continuously in a dusty, corrosive environment.
- A cost-effective solution for bagging sand and aggregates where the cost per bag is low to ensure that production costs are minimised.
- Deliver neat, square, compact pallets to Norman Emerson's customers.
- Integration of thermal film printer inside FFS auto bagger.

THE SOLUTION

- Form-Fill-Seal bagging machine for aggregates and sands, the system provides lower cost per bag compared to pre-made sacks.
- Safe operation- HSE & CE certified, fully guarded machinery.
- Additional forming tubes to cater to Norman Emerson's varying required weights from 5kg to 40kg.
- Special product dosing device able to handle sticky sand, wet gravel and large size ballast.
- On-line bag printer to be integrated inside FFS bagger to minimise number of pre-printed PE film reels held in stock by Emerson.
- Okura A1600 Series III robot palletiser including control panel and OXPA 'Easy Teach' software.
- One empty pallet magazine with a capacity of 15 pallets.
- Fully automatic pallet stretch hooder with variable programming, to deliver complete waterproof protection for pallets.

THE RESULT

The system was installed at the Norman Emerson's site by Webster Griffin and has brought about the following benefits:

- Increased throughput with bagging and precise palletising occurring at a rate of 1100 x 25kg bags/ hour and 1200 x 10kg bags/ hour.
- Ability to print the name of the product being packed directly on to the plastic film inside the FFS machine.
- Neat, square waterproofed pallets prepared for transportation to Norman Emerson's customers.
- The full automation gives employees more time to focus on other production tasks.
- Versatile system, easily adaptable for different aggregates, bag sizes and bag weights.
- A Webster Griffin engineer stayed on site to train Norman Emerson's team of operators leaving them able to operate and maintain the machines themselves.

Linkedin.com/Webster Griffin Ltd
Youtube.com/Webster Griffin Ltd
www.webstergriffin.com

Webster Griffin Ltd. Brooklands Park,
Farningham Road, Crowborough
TN6 2JD England (UK)

+44 (0) 1892 664250
+44 (0) 1892 664340
Info@webstergriffin.com

QUALITY MACHINERY SINCE 1975

Case Study 0340

Norman EmersonGroup
the cornerstone of excellence

Webster Griffin
packed with know how

SAND & GRAVEL

Form Fill Seal Bag Packing System











Linkedin.com/Webster Griffin Ltd
Youtube.com/Webster Griffin Ltd
www.webstergriffin.com

Webster Griffin Ltd. Brooklands Park,
Farningham Road, Crowborough
TN6 2JD England (UK)

+44 (0) 1892 664250
+44 (0) 1892 664340
Info@webstergriffin.com

QUALITY MACHINERY SINCE 1975

Case Study 0340

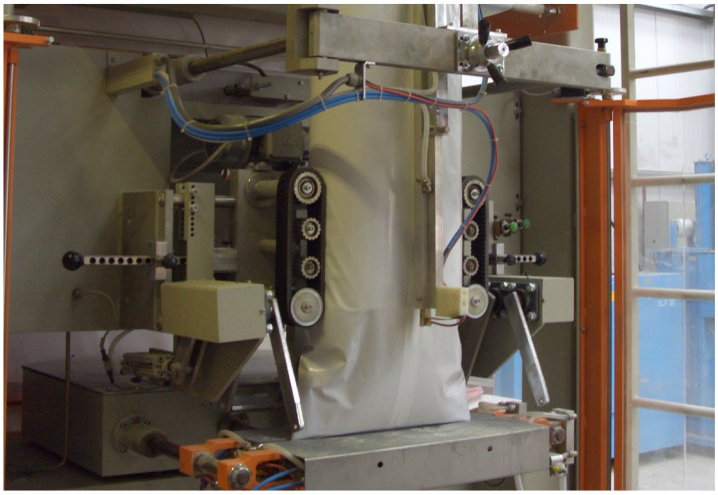
Norman EmersonGroup
the cornerstone of excellence

Webster Griffin
packed with know how

SAND & GRAVEL

Form Fill Seal Bag Packing System













Linkedin.com/Webster Griffin Ltd
Youtube.com/Webster Griffin Ltd
www.webstergriffin.com

Webster Griffin Ltd. Brooklands Park,
Farningham Road, Crowborough
TN6 2JD England (UK)

+44 (0) 1892 664250
+44 (0) 1892 664340
Info@webstergriffin.com

QUALITY MACHINERY SINCE 1975

Case Study 0340

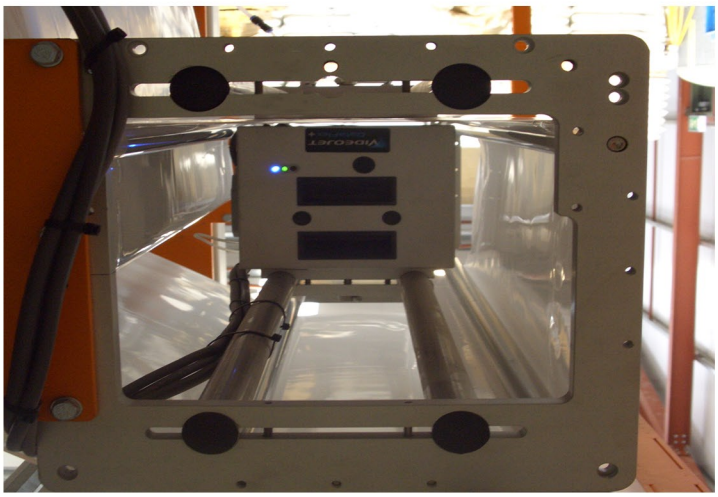
Norman EmersonGroup
the cornerstone of excellence

Webster Griffin
packed with know how

SAND & GRAVEL

Form Fill Seal Bag Packing System













Linkedin.com/Webster Griffin Ltd
Youtube.com/Webster Griffin Ltd
www.webstergriffin.com

Webster Griffin Ltd. Brooklands Park,
Farningham Road, Crowborough
TN6 2JD England (UK)

+44 (0) 1892 664250
+44 (0) 1892 664340
Info@webstergriffin.com

QUALITY MACHINERY SINCE 1975

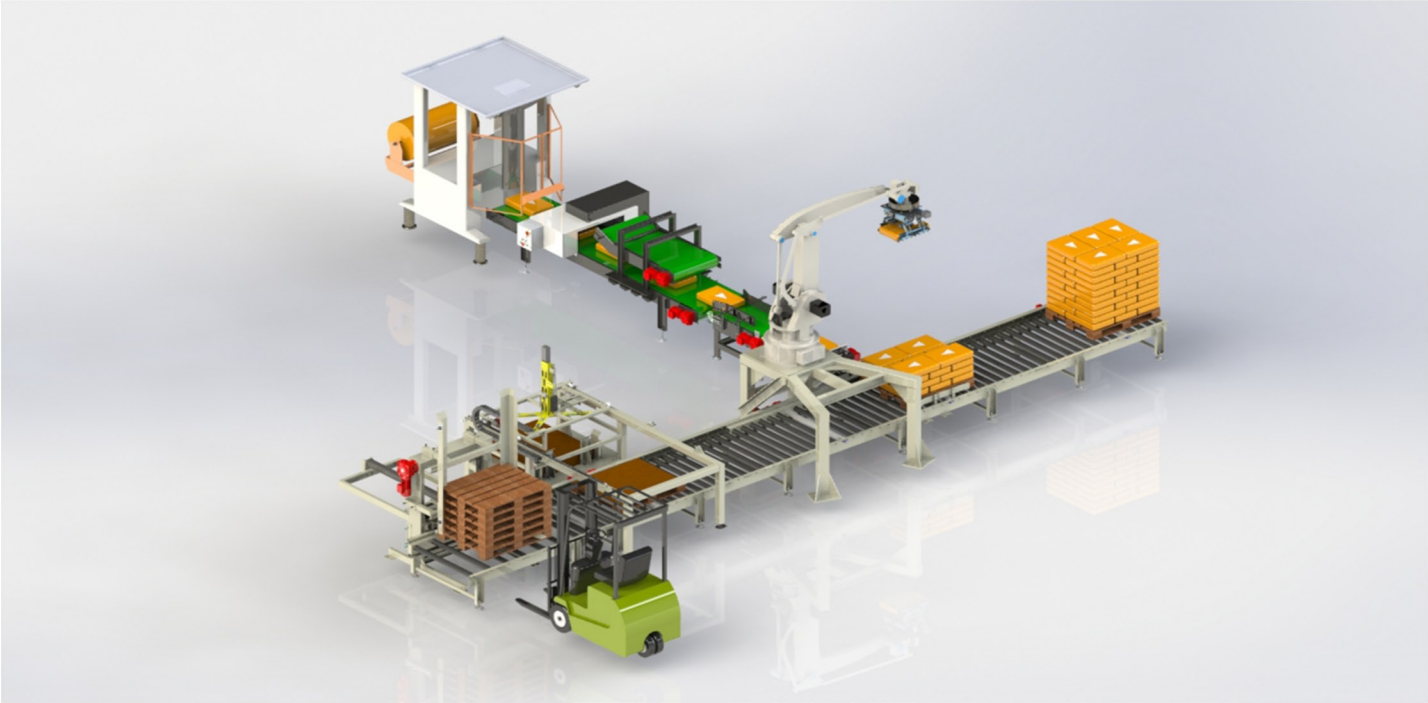
Case Study 0340

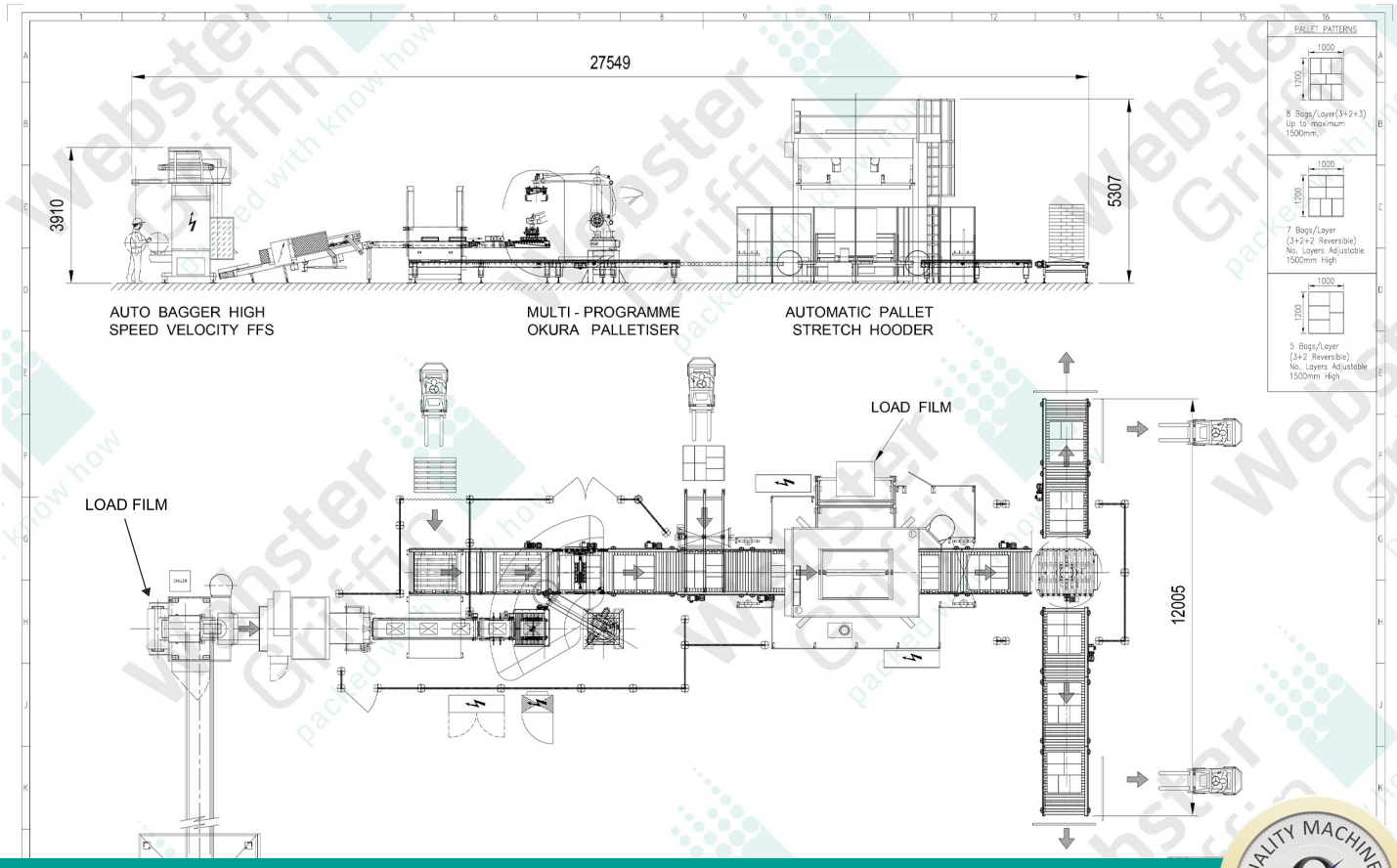
Norman EmersonGroup
the cornerstone of excellence

Webster Griffin
packed with know how

SAND & GRAVEL

Form Fill Seal Bag Packing System





Linkedin.com/Webster Griffin Ltd
Youtube.com/Webster Griffin Ltd
www.webstergriffin.com

Webster Griffin Ltd. Brooklands Park,
Farningham Road, Crowborough
TN6 2JD England (UK)

+44 (0) 1892 664250
+44 (0) 1892 664340
Info@webstergriffin.com

QUALITY MACHINERY SINCE 1975