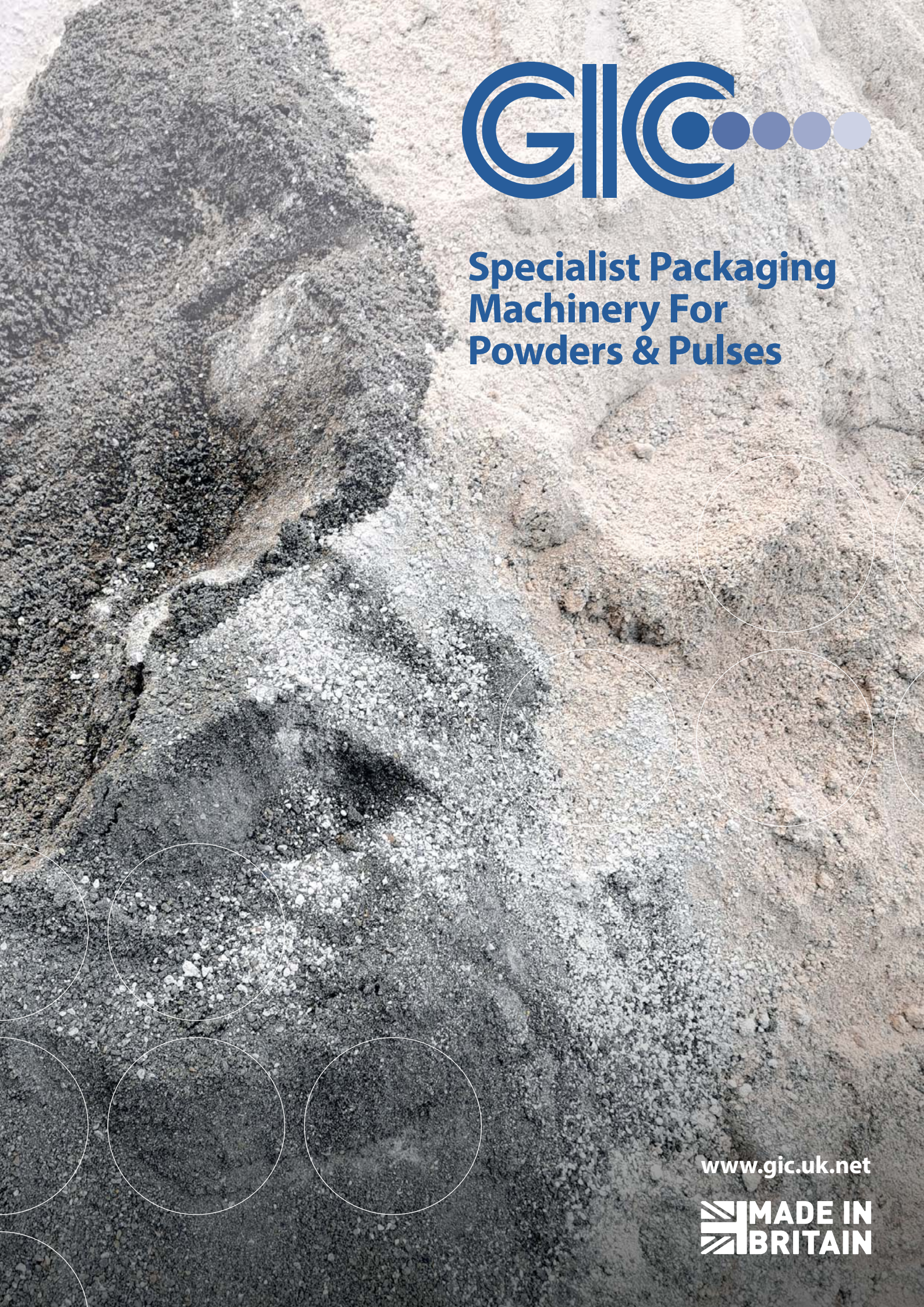

Specialist Packaging Machinery For Powders & Pulses

www.gic.uk.net

MADE IN BRITAIN

Specialist Vertical Form Fill & Seal Packaging Machinery For Powders & Pulses

GIC has been designing, installing, and servicing vertical form fill and seal packaging machines for four decades. UK-made to the highest standards, GIC's machines play an essential role in some of the country's largest suppliers of building materials, chemicals, salt and various other powdered foods and drinks.

GIC machines are designed and built in Gainsborough to exacting standards. We are a gold-level partner in the Rockwell Automation PartnerNetwork™ programme, and all our component suppliers are hand-picked for quality and reliability.

Irrespective of whether you are packing powdered milk, coffee, pulses, food ingredients, sugar, or even washing powder, we can design a machine customised to your requirements. We back up our engineering excellence with operator training and comprehensive service
and maintenance plans to ensure hassle-free ownership.

Our vertical form fill and seal machines offer the optimum combination of effectiveness, reliability and low cost of ownership backed by first class technical and servicing support.

Key Considerations

If you're considering introducing a new VFFS machine to your production facility there are several key things to consider:

Powder Properties

Salt, chemicals, and spices are all very different, but they are all classed as powders and handled as such. When specifying and customising a Vertical Form Fill and Seal machine, we consider the specific properties of the powder. Different powders have different particle sizes, some larger than others. How does the product handle? Will it flow freely, or is there a possibility it will stick or suffer from compaction issues?

We must also consider the powder and its properties; for example, is it corrosive? If it is, a painted steel packaging machine may eventually show its age, so a stainless-steel variant could be the better option.

As well as being more corrosion-resistant, a stainless-steel finish will keep its clean appearance in the most challenging situations.

If its pulses such as lentils or rice that you are packing GIC can call on our experience to help. Pulses are generally dry and free running and can be measured using weighers, augers or volumetric fillers. Our applications knowledge will help to find you the best solution.

Handling

Different powders and pulses have different textures; some are easily handled, others are not. Some powders can be weighed, and others must be screw-fed by an auger. Coarse powders and granular products can usually be weighed whereas pulses with a consistent density can be volumetrically dosed.

Environment

Every factory or production plant is different. We need to consider the environment in which the machine will be working and how these conditions affect the product. Most GIC clients have already considered factors such as humidity, temperature, and whether or not a high-care finish is required.

ATEX Considerations

Depending on the powder being packed, we may need to consider ATEX.

Forming Set & Product Handling

VFFS packaging machines working with powders and pulses often require specially designed forming sets. In particular dust extraction needs careful consideration.

Film Type & Feed System

Not all packaging materials are suitable for packing powders and pulses. We will work with you to ensure we develop the right machine and feed system for your unique combination of film, powder and bag style.

Up-Stream & End of Line Packaging

All GIC machines can be fully interfaced with a range of up-stream filling systems and end-of-line plant including check weighers, metal detection machinery and pallet loading equipment.

Non-Contact, Low-Maintenance Vertical Pack Sealing

For the vertical seal, we can offer the TOSS HAS system. This non-contact, low-maintenance unit is ideally suited to working at with LDPE and other similar films on continuous motion machines

GIC's Specialist Vertical Form Fill & Seal Range For Powders & Pulses

GIC2100 & 4100 Intermittent Variants

MAXIMUM PACK SIZE: 250MM & 400MM

MAXIMUM SPEED: 70 PACKS PER MIN

PACK FORMATS: PILLOW, GUSSET, BLOCK BOTTOM

PACKAGING MATERIALS: ALL SUITABLE HEAT-SEALABLE MATERIALS, INCLUDING LAMINATES AND POLYETHYLENES. OPTIONAL IMPULSE SEALING

FULL STAINLESS STEEL AND HIGH-CARE KIT

LABEL APPLICATION

REMOTE DIAGNOSTIC AND SOFTWARE UPGRADES

GIC3000 & 8000 Continuous Motion Variants

MAXIMUM PACK SIZE: 250MM & 400MM

MAXIMUM SPEED: 100 PACKS PER MIN

PACK FORMATS: PILLOW, GUSSET, BLOCK BOTTOM

PACKAGING MATERIALS: ALL SUITABLE HEAT-SEALABLE MATERIALS, INCLUDING LAMINATES AND POLYETHYLENES. OPTIONAL IMPULSE SEALING

FULL STAINLESS STEEL AND HIGH-CARE KIT

LABEL APPLICATION

REMOTE DIAGNOSTIC AND SOFTWARE UPGRADES

GIC3100 & 8100 Continuous Motion Variants

MAXIMUM PACK SIZE: 250MM & 400MM

MAXIMUM SPEED: 100 PACKS PER MIN

PACK FORMATS: PILLOW, GUSSET, BLOCK BOTTOM, QUAD, DOY

PACKAGING MATERIALS: ALL SUITABLE HEAT-SEALABLE MATERIALS, INCLUDING LAMINATES AND POLYETHYLENES. OPTIONAL IMPULSE SEALING

FULL STAINLESS STEEL AND HIGH-CARE KIT

LABEL APPLICATION

REMOTE DIAGNOSTIC AND SOFTWARE UPGRADES

Free Site Appraisals

Irrespective of whether or not you currently rely on GIC vertical form fill and seal packaging machinery to keep your production line flowing efficiently, we offer free site appraisals.

Our experienced engineers will visit your facility and provide an accurate overview of the current condition of your packaging machinery, service and maintenance requirements, available software and hardware upgrades and opportunities to improve operating efficiency.

To request a free site appraisal, email info@gic.uk.net or call 01427 611885.

MADE IN BRITAIN

GOLD OEM Partner ROCKWELL AUTOMATION

automate uk ppma bara ukiva

SafeContractor APPROVED

GIC Ltd
Alpha Works, Sandars Road,
Heapham Road Industrial Estate,
Gainsborough,
Lincolnshire DN21 1RZ

01427 611885 **info@gic.uk.net**

www.gic.uk.net