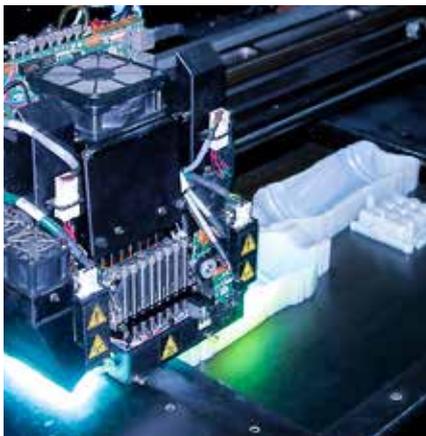




Customer : **IMG Europe BV**
 Product group : **Rubber Moulded Parts and Profiles**
 Market : **Machinery and equipment construction**
 Application : **Container for diagnostic material**

ERIKS DEVELOPS SEAL FOR SHIPPING BOXES WITH 3D PRINTING

Rapid Prototype seal for safe dispatch of diagnostic material



CUSTOMER PROFILE

IMG Europe BV in Gassel is a producer and supplier of innovative personal protective equipment and medical aid products that focus on hygiene and infection prevention. The company specialises in infection prevention and supplies such things as foldable decontamination units for hospitals and systems to set up isolation rooms quickly.

CHALLENGE

Annually, IMG Europe dispatches high volumes of diagnostic materials by post including blood, faeces and sputum. A specimen must be sent in packaging that can have 1 atmosphere internal pressure. This takes place in a Biocarrier, a blue plastic box comprising a lid and bottom container. A seal needed to be created for this Biocarrier that would remain sealed in the event of reduced pressure or over-pressure through explosion and would not allow substances to escape.

SOLUTION

ERIKS examined the existing design of the plastic components and then prepared a design proposal. In the design, it was not the Biocarrier container that was fitted with the seal, but the lid. An ERIKS' 3D printer was used to create a seal from a rubber-like material ('Tango Black') that had the hardness of the desired form.

SAVINGS

- Safer transport
- Recyclable material
- Shorter production time
- Shorter delivery time

OTHER BENEFITS

- Cost reduction,
- Engineering
- Sustainability

FURTHER COMMENTS

"ERIKS really listened to us. That was a breath of fresh air. ERIKS used 3D printing technology to develop a tangible model very quickly that also fitted excellently. After a year of standstill we can now go full steam ahead."

Lia van de Vorle,
 General Manager at IMG Europe BV