



## For decades Brückner has been relying on Sesotec metal separators

### **Brückner Maschinenbau GmbH & Co. KG (Germany)**

#### **Product:**

RAPID DUAL

Founded in 1960, Brückner Maschinenbau GmbH & Co. KG, Siegsdorf, today is the globally leading supplier of production lines for the manufacture of high-quality mono- and biaxially stretched film as well as extruded and smoothed flat film. Brückner Maschinenbau also provides complete turnkey plants as well as laboratory and pilot plants.

Brückner Maschinenbau is world market leader in the field of film stretching technology. Brückner's lines guarantee film manufacturers an efficient, flexible and reliable production of a wide range of film types that are used as high-quality packaging materials and in technical applications (e.g. capacitor film and high-tech screen film).

Today, approximately 600 Brückner film production lines are in operation all over the world. The customer list includes all the large and renowned international film producers. For many years Sesotec GmbH, Schönberg, has maintained a customer and supplier relationship with Brückner. For decades Brückner has acquired metal separators from Sesotec for the inspection and purification of film raw materials (film shreds, ground material, and new material).

### **Application: Inhouse-recycling**

In the production of films the edges, which due to the production method are somewhat thicker, are cut off, creating long strips that are recycled in the company. For this purpose the film strips are ground in a mill, and the ground material is added to the starting material again. To guarantee the reliable removal of possibly included metal particles which, for example, might get into the material during the grinding process, the film flakes pass through metal separators before they are processed. Film stretching machines and extruders thus are reliably protected against damage caused by metal particles.

Brückner uses Sesotec metal separators of type RAPID DUAL at central positions. This separator type is excellently suited for the inspection of non-free-flowing bulk materials such as film shreds and of high-volume material flows in free-fall conveyor pipes. The separator detects all magnetic and non-magnetic metal contaminations (steel, stainless steel, aluminium, ...), even if such contaminations are embedded in the product. Metal contaminations are ejected by a double flap ("Quick Flap System"). This eject system keeps the



RAPID DUAL metal separator for the inspection of non-free-flowing bulk materials and high-volume material flows in free-fall conveyor pipes.

loss of good material at an absolute minimum. Using Jacob standard pipe connections the metal separator can be easily installed in existing pipes with minimum effort and in no time at all. Product-contacting components are made of stainless steel.

"In matters of metal separation, Brückner and Sesotec have been cooperating on partnership basis for decades. Brückner is satisfied with Sesotec because our metal separators are state-of-the-art in their technology and are of highest quality in their construction. Our systems operate reliably, reproducibly, and they amortise in a very short time because they prevent the causes of downtimes and expensive repair work and thus guarantee optimal machine operating times and product quality", says Erwin Reitberger, Sesotec Branch Manager - Plastics Industry.

#### **Sesotec - an overview**

The Sesotec group is one of the leading manufacturers of machines and systems for contaminant detection and material sorting. Product sales primarily focus on the food, plastics, and recycling industries. Sesotec's global presence includes subsidiaries in Great Britain, Singapore, China, USA, France, Italy (2), India, Canada, Thailand, a representative office in Turkey, and more than 60 partners all over the world.

**[www.sesotec.com](http://www.sesotec.com)**