



## **BVG Starch Plant for Heinzl Papier, Laakirchen, Austria Project PM 10**

BVG, Bauer-Verfahrenstechnik-GmbH out of Greifenberg/Ammersee was contracted to supply the enzyme starch system and the service stations to Heinzl Papier Laakirchen PM 10 in Austria. The BVG systems started up in November 2017 and are producing degraded high quality starch to supply the Prime Film-Sizer by Andritz.

Heinzl Papier Laakirchen had decided in favor of BVG, because BVG is world market leader for continuous enzyme conversion systems of native starch. And Heinzl Papier has two systems running in their sister mill in Raubling, Bavaria, which are working very well. The first BVG system at Raubling was commissioned in 1999, and is still running in its original version.

Die BVG – deliveries for the PM 10 include:

- **Two Starch Silos with a Volume of  $V = 300 \text{ m}^3$  each.**



The silos are separate off the starch kitchen. Distance is about 60 m.

- **Two BVG - Slurry – Stations**

Slurry concentration is controlled by a massflow meter.

- **BVG Starch Conversion System „Super ECC“ for 85 t/d Native Starch.**



The plant features technical specials, as:

- The High Turbulence Process “Super-ECC®”
- The Pollution Free Process „No-Poll®”.
- Starch production „On Demand”, which follows pick up on the film press.
- The „Separator GS®”, special designed working tanks to eliminate heavy impurities, like sand and agglomerates. Discharge of sand increases strength of the paper and reduces wearing of the rods and roll covers.



**Separator GS®**

- The „Kidney-Loop®“, a device to eliminate light agglomerates from the starch flow in the ring mains. The „Kidney-Loop®“ is positioned in the by-pass of the working tanks to prevent pressure variation at the film press.



**Kidney-Loop®**

- The „Super-Strainer ST“, a pressure filter in the approach flow to the film-press. The filters are self cleaning by rotating doctor blades and lack flush.



**Super Strainer St for Top and Bottom**

BVG systems are designed to meet highest quality and technical standards. More as 35 years of experience have led to a high efficiency, according to the BVG claim: **Best Value Guaranteed.**