

## **PRESSEMITTEILUNG**

Jung Process Systems on Brau Beviale 2014

### **HYGHSPIN pumps guaranty short amortization times**

*In many divisions of the beverage industry – specifically on the fruit juice sector – frequent charge changes belong to the daily routine. Depending on the individual product the viscosity may considerably differ. Due to their flexibility under these production conditions many producers rely on HYGHSPIN twin screw pumps manufactured by Jung Process Systems in Kummerfeld. Moreover, CIP cleaning can also be effected with HYGHSPIN pumps. The combination of product transport and CIP cleaning with only one pump substantially reduces the amortization times of these pumps. On the occasion of the Brau Beviale exhibition in Nuremberg the experts of Jung Process Systems are at the disposal of the customers in hall 6, stand 406, to reply to questions and to give detailed information with regard to the special advantages of the HYGHSPIN twin screw pumps.*

#### **HYGHSPIN copes with extreme major temperature and viscosity spectrum**

Five years after market introduction many important international beverage producers use the HYGHSPIN pumps in their production plants. The hygienic twin screw pumps are especially suitable for the handling of products which differ considerably with regard to viscosity and treatment temperature. With the aid of HYGHSPIN pumps, for example, beverage basic materials which are stored in bulk containers at sub-zero temperatures are transported towards the respective mixing and filling lines. For these versatile applications sophisticated pumps are required

which do not have any problems neither with thermal expansions nor with internal backflows. HYGHSPIN pumps are excellently suitable for these transport challenges due to their construction, the axial feed principle and the execution with frequency-controlled and energy-efficient drive motors. In many cases they even substitute two or more other pumps because they are also appropriate for the transport of cleaning media.

### **HYGHSPIN pumps often substitute several existing units**

Also the important breweries increasingly rely on twin screw pumps for the transport of their products. Exemplary is the use of a HYGHSPIN twin screw pump for the transport of spent hops. Two other feed pumps are replaced by this pump – namely one eccentric screw pump and one screw conveyor. With the application of a HYGHSPIN pump the brewer saves remarkable cost of energy because this pump is equipped with a significantly smaller motor. The amortization time of the new unit is less than one year. A further example is the conveyance of yeast. Also for this application the HYGHSPIN pumps are particularly suitable. The axial feeding principle, minor shear effects and flexible speed control facilitate the extremely gentle feeding of this very sensitive raw material.

### **Product program further completed by HYGHSPIN H Series**

Jung Process Systems extended the existing product program by development of the HYGHSPIN H series with hopper infeed and new screw feed extruder unit. The scope of supply comprises the single-flow standard type series and the double-flow HYGHSPIN DF twin screw pumps for capacities from 30 l/h until 200 m<sup>3</sup>/h at a maximum pressure of 50 bar. HYGHSPIN H series is available for pump sizes HYGHSPIN 70, HYGHSPIN 90 and HYGHSPIN 125. The maximum flow rate amounts to approx. 20 m<sup>3</sup>/h, the differential pressure of the standard execution is maximum 10 bar. Users can trust on the approved advantages of the whole HYGHSPIN advantages. The construction principles of the pumps correspond to the

Hygienic Design and they are completely manufactured from stainless steel. The contact-free operating feed screws guaranty an absolutely gentle feeding at low pulsation. All product-contact elastomers are executed as easily cleanable form rings according to FDA approval.

**Fotos:**



Six HYGHSPIN 125 pumps for one of the most important processor for citrus fruits worldwide



HYGHSPIN 90 H with feed hopper innovative feed screw extruder entity

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Besides of FAS Füllanlagenservice GmbH the company Jung Process System GmbH is emanated from Jung & Co. Gerätebau GmbH, a family-managed medium sized machine manufacturer specialized on the manufacture of stainless steel parts for more than 40 years now. Their worldwide sales are governed through partners in Germany, France, Netherlands, Austria, Switzerland, Spain, USA, Argentina, Brazil and Australia.