



Jung Process Systems GmbH  
Media contact: PW Marketing  
Tel./Fax: +49 40 765 00 686  
E-mail: wagner@pwmarketing.de  
www.jung-process-systems.de

## PRESS RELEASE

Three of the top five Brewers worldwide use HYGHSPIN pumps for yeast

### Gentle product treatment has highest priority

*On the occasion of the BRAU Beviale 2012 exhibition in Nuremberg Jung Process Systems located in Kummerfeld near Hamburg inform on their stand in hall 6-406 about their sophisticated scope of twin screw pumps for the brewery and beverage industry. Interested visitors can inform themselves of the complete possibilities of applications and procedural advantages of the HYGHSPIN twin screw pumps.*

Although breweries are predominantly utilizing centrifugal pumps there are a couple of critical steps during the brewing process which require the use of hygienic displacement pumps. This means essentially the transport of yeast. For this challenging transport tasks, for instance for the yeast dosification or also for the yeast recuperation, Jung Process Systems offers HYGHSPIN twin screw pumps in different sizes. A well-known customer, for example, already uses since two years a HYGHSPIN 70-40 for the transport of beer yeast with double-acting flushed mechanical seal. The operational characteristics for product transfer and CIP cleaning demonstrate the versatility of the pump. At a temperature of 90 °C the yeast has a viscosity in this special case of 320 mm<sup>2</sup>/s. The feed capacity amounts to maximum 11 m<sup>3</sup>/h at a differential pressure of up to 10,5 bar. During CIP procedure the same pump operates with max. 24 m<sup>3</sup>/h against 2 bar.

Due to the low shear effect and the axial feeding principle of these pumps the consistency of the yeast will not be affected. A safe process operation of the pumps over a wide range of viscosities and capacities is more than important because the viscosity of beer yeast fluctuates. This safety is guaranteed by exact pump design as to range of speeds and correct choice of the adequate feed screw pitch so that

optimum results are achieved with HYGHSPIN pumps – also an excessive flow rate can damage or even destroy the yeast structure. Moreover the pump can be cleaned in-place. For this reason the HYGHSPIN pumps are especially suitable for those companies that prefer gentle and low pulsation transport of their products, using the same pump also for CIP cleaning.

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**Foto:**



HYGHSPIN 70 twin screw pumps are especially suitable for gentle feeding of yeast

**Jung Process Systems GmbH**  
Auweg 2  
D-25495 Kummerfeld/Pinneberg  
Tel.: +49 (0)4101-7958140  
Fax: +49 (0)4101-7958142  
[info@jung-process-systems.de](mailto:info@jung-process-systems.de)  
[www.jung-process-systems.de](http://www.jung-process-systems.de)

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