

Press Release

**Nash –
Zweigniederlassung
der Gardner Denver
Deutschland GmbH**
Katzwanger Str. 150
90461 Nuremberg
Germany

www.GDNash.com

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NASH vacuum pumps for the PM 7 in Dunaujvaros

Gardner Denver Nash Germany supplied the complete vacuum system for dewatering in the forming and press sections of the new PM7 paper machine in Dunaujvaros. This technology has already proven itself in every other paper machine within the Hamburger Group, with robustness, efficiency and flexibility that guarantee the highest operational reliability.

On the new PM7 in Dunaujvaros, nine NASH 2BE3 vacuum pumps are used. Each pump is driven by a motor equipped with a frequency converter, allowing the rotational speed to be set to exactly suit the actual process conditions. This causes the vacuum pressure to adapt to process conditions as well. Additionally, three centrifugal fans for the low-vacuum scavenge points in the forming section have been included. As a result, the vacuum system provides the greatest flexibility at optimum efficiency.

For the plant operator, the advantages of a NASH liquid ring vacuum system were obvious:

- An extremely robust system: overload safe and resistant to process failures
- Very high overall efficiency, particularly in conjunction with optimum control
- Optimum felt dewatering through the volumetric operating principle of the liquid ring vacuum pump - the scavenge pressure adjusts automatically to suit the felt permeability
- Scavenge-side liquid carry-over with low fiber content is not a problem for the NASH pumps
- Rotation speed control offers the potential of high energy savings
- Low specific power requirements
- Low noise emissions due to low peripheral speeds of the vacuum pump
- Future system adaptation, without influencing other scavenge points, is easily done by changing the rotation speed of individual vacuum pumps

Contact:

**Nash –
Zweigniederlassung
der Gardner Denver
Deutschland GmbH**
Marketing
Wolfgang Kraft
Phone: +49 (0)911 / 1454-7771
Fax: +49 (0)911 / 1454-7777
wolfgang.kraft@gardnerdenver.com

- High operational safety, even if individual vacuum pumps are deactivated
- Very low service and maintenance costs
- Confidence in more than 100 years of know-how accumulated by the market leader in the paper industry

With the decision to use NASH vacuum pumps, the plant operator also made a decision for an innovative, environmentally friendly and economical attractive solution.

About the Company:

Gardner Denver Nash is the Nash Division of Gardner Denver, Inc. Originating from nash_elmo Industries, the company is the world's leading manufacturer of liquid ring vacuum pumps, compressors and engineered systems. For more than 100 years, Gardner Denver Nash has engineered and produced liquid ring pumps and vacuum and compressor systems for the most demanding applications in a variety of fields and industries.



Caption:

(GDNash-vacuumsystem-dunaujvarospapermill-cmyk.jpg)

NASH 2BE3 vacuum pumps with separator, motor and gearbox on the PM 7 in Dunaujvaros