

## Pfeiffer Vacuum News

**Welcome to the new issue of our newsletter –  
A service from your Pfeiffer Vacuum team!**

In this issue we will inform you about the following topics:

- Detection of gravitational waves by the LIGO observatories: Pfeiffer Vacuum in an interview with LIGO co-founder Prof. Dr. Rainer Weiss
- Common errors when using turbopumps and how to avoid them
- Harmonious Annual General Meeting of Pfeiffer Vacuum in Wetzlar
- Calibration of vacuum gauges and helium test leaks
- Dates & Events

**Your Pfeiffer Vacuum team**

### Vacuum solutions from a single source

#### **Detection of gravitational waves by the LIGO observatories: Pfeiffer Vacuum in an interview with LIGO co-founder Prof. Dr. Rainer Weiss**

In September 2015, the LIGO observatories in Louisiana and Washington, USA, detected gravitational waves directly on the Earth for the first time and thus confirmed Einstein's theory in the limit of strong field at the source – a breakthrough for astrophysics. Vacuum technology played a crucial role in the spectacular measurements at LIGO. Solutions from Pfeiffer Vacuum were involved in the measurements of both the LIGO observatories and the connected basic experiments.

The complete Interview with Prof. Dr. Rainer Weiss can be read [here](#).

### Tips and tricks from the experts

#### **Common errors when using turbopumps and how to avoid them**

When selecting and operating a turbopump, it is not rare that considerable errors are being made. They can easily be avoided by considering the specific parameters valid for the individual pump type. [Here](#), you find the most important information and insights for the operation, equipment selection, and maintenance of commonly used turbopumps.

Further tips and tricks for the use and operation of vacuum technology and leak detection as well as interesting references and applications are available at our [vacuum solutions website](#).

### Company

#### **Harmonious Annual General Meeting of Pfeiffer Vacuum in Wetzlar**

The Annual General Meeting of Pfeiffer Vacuum Technology AG took place on Tuesday, May 24, 2016 in Wetzlar's town hall. Some 390 guests attended the event and were guided through the agenda by Dr. Michael Oltmanns, the Chairman of the Supervisory Board.

The complete press release can be read [here](#).

## Did you know?

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### **Calibration of vacuum gauges and helium test leaks**

The quality of each production process depends on the accurate control of measuring instruments. Chapter 7.6 of the quality management standard ISO 9001:2008 requires the control of monitoring and measuring instruments. Accordingly, all measuring instruments must be regularly calibrated against to standards that are traceable to national or international standards. We meet this requirement with our global calibration laboratory for vacuum measuring equipment at the Asslar site. Here we calibrate our own products products.

Further information can be read [here](#).

## Dates & Events

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### **Pfeiffer Vacuum presents vacuum solutions at the following trade shows:**

- Semicon West, San Francisco / USA, July 12 - 14, 2016
- Touch Taiwan, Taiwan / Taiwan, August 24 - 26, 2016
- Vacuum 2016, Pacifico Yokohama / Japan, September 07 - 09, 2016
- Semicon Taiwan, Taipei / Taiwan, September 07 - 09, 2016

You are not able to visit the exhibition but you want to be informed about our exhibition appearance? Visit us on facebook! We will show you our best exhibition impressions.

[www.facebook.com/PfeifferVacuum](http://www.facebook.com/PfeifferVacuum).

## Feedback

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We hope you enjoy reading our newsletter and are looking forward to receiving any feedback and/or suggestions.

Please recommend our newsletter to other colleagues. Click [here](#) to subscribe.  
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Pfeiffer Vacuum stands for innovative and custom vacuum solutions worldwide, for technological perfection, competent advice and reliable service.

Please visit us at [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com).

Our Internet pages offer all information on our products and the company as well as the share.

### Legal Notice

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