

PFEIFFER 

VACUUM+FAB SOLUTIONS

VACUUM SOLUTIONS FOR SCIENTIFIC RESEARCH & UNIVERSITY LABS

Jan-Hendrik Doerr – 2026-10-21

Who am I ?

- Jan-Hendrik Doerr
- 29 years old
- Market Manger R&D for Germany since 10/2022
- Studied “Physics for space travel applications”
- Master thesis dealt with HiScroll

Connect With Me
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BUSCH GROUP

YOUR RELIABLE PARTNER FOR ALL VACUUM NEEDS.
FAST, FLEXIBLE AND ALWAYS NEAR YOU.



The standard in rough and medium vacuum technology for a wide range of industries, like food packaging, chemical, plastics. Since 1963.



More than 130 years of experience for best-in-class high vacuum, leak detection, and gas abatement. For semicon, analytics, research, etc.

Our Facts and Figures

Solid. Worldwide.

With a network of over 100 companies in more than 40 countries and agencies worldwide, the Busch Group has a global presence. In every country, highly competent local personnel delivers custom-tailored support. Backed by a global network of expertise. Wherever you are. Whatever your business. We are there for you. Reliable since 1963.

>8 000 employees worldwide.

44 countries with own subsidiaries.
To cover the whole world.

23 production sites.

2 leading brands.

~2 bn. Euro consolidated turnover.
Status: 2025

Busch Group Locations





Challenges in Academic Research

- **Tight timelines:** Fast delivery is a must
- **Too many options:** Ready-to-use sets simplify life
- **Deep expertise needed:** Made usable for everyday research

Typical Applications

Basic Research Market



Ultra-High Vacuum

- From chamber design to UHV analysis - complete solutions for the toughest research environments.



Lab Vacuum

- Quiet, clean, and easy to use - so you can focus on your experiment, not your equipment



Central Vacuum

- Scalable systems with low maintenance — efficient supply across labs and budgets.

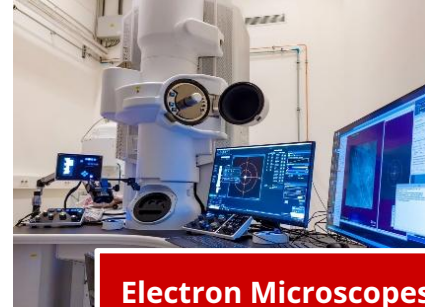
Where to Find Vacuum in a Lab?



Backing Pump for UHV



Mass Spectrometer



Electron Microscopes



Schlenk Lines



Helium Leak Detector



Glove Box

From Rough to UHV — We've Got You Covered

Rough Vacuum **High/UHV**

Create Vacuum



Measurement Tools



Complete Systems



Support That Sets You Up for Success

Setup. Learn. Solve. We're here when it counts.

Calibration Service

of measurement
equipment
according to
international
standards



Field Service & Repair

Optimizing
performance,
efficiency and
availability

Educational Services

Videos, webinars &
Vacuum Days —
practical know-how
at your fingertips.



Application Support

Feasibility or cycle-
time studies,
contract leak
testing, residual gas
analysis

Vacuum Calculator

Find the right pump in minutes

- Enter system parameters – get instant pump suggestions
- Compare technologies and performance
- Export results or request a quote
- Access online – 24/7

Vacuum Calculator

Find the optimal pump for your application

Which calculation do you want to do?

Find a suitable vacuum / pump solution

Our algorithm determines a pre-selection of suitable pumping solutions based on your requirements.

Calculate the pumping curve for a vacuum system

Select a pumping solution yourself and have the pumping speed curve and pump-down curve calculated.



Need guidance?

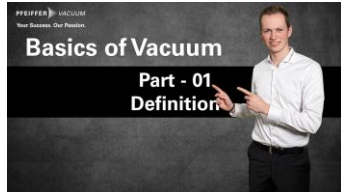
Watch our expert webinar:

The Perfect Match – How to Find the Vacuum Pump for Life



For more Information

Check out our YouTube Channel



Basic vacuum knowledge



Product animations / Functional principles



Application videos



How to generate UHV



Free service videos



ANY QUESTIONS ?

CONTACT US DIRECTLY:

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