

Get the best out of your Vacuum Conveying- & Powder Transfer- Systems

USER „HANDS-ON“ SEMINAR FOR OPERATORS AND PRODUCTION ENGINEERS  
(1 DAY SEMINAR)

# OPTIMISATION OF VACUUM CONVEYING SYSTEMS

**Date:** Wednesday, 4<sup>th</sup> December 2024  
**Place:** Soest / Germany

**Optional: 2 days combi**  
Can be combined with the „Overview“-Seminar  
Vacuum Conveying & Powder Handling  
(then a discount of 100,- € would apply on the total)

## INSTALLATION, COMMISSIONING, MAINTENANCE AND TROUBLESHOOTING (INCL. AVOIDING OF MISTAKES)

The widespread use of Vacuum Conveyors in almost any industrial sector is also increasingly leading to the question of the optimum use of Vacuum Conveying and Powder Transfer Systems on the operator side. The aim is to utilise the numerous advantages of transporting powders and bulk materials by means of vacuum in every application.

Especially for the operator on site, information on the correct installation, commissioning and adjustment are of enormous importance. The same applies to maintenance and preventive servicing but also of how to avoid common mistakes in the first place.





„...Volkmann seminars always succeed in presenting an interesting mixture of theory and practice, so that the later benefit in our everyday production and throughout the processing of chemical powders is always given...”

Ralf Degener, Dipl.-Ing. M.Sc., Momentive Specialty Chemicals GmbH

Another goal is to achieve the best deployment of the performance from a Vacuum Conveyor with the lowest possible energy consumption. Just as important is the rapid detection of faults and their simple rectification to avoid downtimes. This gives us plenty of reasons to pool the application expertise we have gathered over decades in the form of an Operator's Seminar and pass it on to users and interested parties.

The very high practical „hands-on” sections ensures that the knowledge remains available for a long time and subsequently can be applied directly into operational practice.

Safety aspects, such as the use of Vacuum Conveyors in hazardous areas and the necessary safe grounding, are clearly presented and explained. In addition to the Vacuum Conveyor, supplementary system components such as bag/sack feeding stations, big-bag emptying stations, weighing and dosing modules, lump breakers and other powder handling solutions will also be discussed.

Individual care is provided for all „hands-on” activity, and small groups guarantee a thorough learning success.

This practical seminar is therefore aimed at production employees, maintenance staff, operators and users from all branches of industry, including plant engineering but also has been a good source of information for production engineers.

We look forward to welcoming you here in Soest at our development and production site.

Thomas Ramme  
Dipl.-Ing. B.Eng.(Hons.)  
Director Technical Sales



- from 08:30 am Registration and reception at Volkmann in Soest, coffee & tea
- 09:00 – 11:15 **Start of seminar & Introduction:**  
Part I.: Lectures of the seminar:  
**Typical mistakes at the installation and operation of Vacuum Conveying systems** and how to avoid them  
Quality and quantity of compressed air, filters, installation mistakes, operation and adjustment, electrical vacuum pumps
- 11:15 – 11:30 Coffee break and discussion
- 11:30 – 12:30 Introductory lecture: **„Pneumatic vacuum conveying of solids“**  
(this part will be skipped for participants who have booked both days) Bulk material transport, comparison with other conveying systems, functional principle, main components, ignition source-free vacuum generation, application examples.
- 12:30 – 13:00 **Practical demonstration of dilute-, dense-phase- and plug flow- conveying**
- 11:30 – 13:30 Part II.: **Practical demonstrations, tests and trials** (in small groups)  
Functional test for a Vacuum Conveyor  
Operating pressure, vacuum/tightness, pressure losses, filter resistance
- 13:30 – 14:15 Lunch break
- 14:15 – 16:30 Part II. continues:  
**Set-up of a complete Vacuum Conveying system** in the test room  
Material Feeding, Conveying line, Vacuum Conveyor and control  
Commissioning of a Vacuum Conveying system  
Set-up of Feeding air, suction cycle, discharging cycle, line clearing  
Failure search procedures on non-working systems  
Electrostatic charging: Safe grounding / grounding mistakes  
Automation with various kind of level probes and controls  
Details on INEX (if required)  
Multijector Vacuum Pump in detail
- Dismantle, cleaning and re-assembly**
- Round tour:** (this part will be skipped for participants who have booked both days)
- a. test center area: typical trial performance example, Big-Bag unloading station, Dust extraction on sack emptying station, lump-breaker in action, high capacity conveying, electrical vacuum pumps, clean rooms visit
  - b. show room area: explanation & demonstration of exhibits
  - c. manufacturing area: production process and steps, final assembly area
- around 16:30 Open end with final and individual discussions within the small groups.

**INVITATION - Get-together at the evening before the event (18:00):**

We would like to invite you to a city walk through the historical town center of Soest which would end at 18:30 at the „Brauhaus (brew-house) Zwiebel“ where we would like to invite you for dinner (all details after application).





# APPLICATION / REGISTRATION

FOR THE ONE-DAY SEMINAR



**VOLKMANN**

IDEAS AHEAD

## OPTIMISATION OF VACUUM CONVEYING SYSTEMS

- Date: Wednesday, 4<sup>th</sup> of December 2024 (one-day seminar in Soest/Germany)**
- Unfortunately I cannot come. Please keep me informed about future events.**
- The handling of powders and bulk materials is not / no longer part of my field of activity.  
Please remove me from your mailing list.**

**Venue:** VOLKMANN GmbH, Schloitweg 17, D-59494 Soest / Germany

**Costs:** EUR 485.-- plus VAT(if applicable), incl. drinks, lunch, Get-together and Documents Folder for participants.  
Payable before the event takes place after receipt of invoice.

Participant: .....

Company: .....

Phone/Fax: .....

E-Mail: .....

.....  
Date, Signature, Stamp

### **REGISTRATION please by fax (++ 49 (0) 29 21 / 96 04 - 900) or e-mail (mail@volkmann.info)**

Limited number of participants for optimum learning success and exchange of experience. Please register in good time.

Once we have received your registration, you will receive a confirmation of registration, invoice (payable before the start of the seminar), directions and a list of hotels. Of course we can help you with the room reservation. For cancellations up to 7 days before the start of the event, we charge a processing fee of EUR 100.-- plus VAT(if applicable). After this deadline, the full participation fee must be paid in accordance with the invoice. A substitute participant may be named. If an event has to be cancelled for unforeseeable reasons, the participant will be notified immediately. In this case, there is only an obligation to refund the participation fee already paid. Optionally, an alternative date may be proposed.

Note: Photos will be taken during the event for documentation and marketing purposes.

Organiser: VOLKMANN GmbH, Schloitweg 17, D-59494 Soest, Tel.: +49 (0) 29 21 / 96 04 0, E-Mail: mail@volkmann.info

