

Bulk Material Handling

November 8-11, 2010





Bulk Material Handling

IDC University's Bulk Material Handling course is a four-day intensive study into the various types of conveyors and bucket elevators. This course introduces students to the bulk material handling industry and the details behind the design and application of Screw Conveyors, Bucket Elevators, Drag Conveyors, and Belt Conveyors.

Throughout the course, students will learn about various bulk materials and how to classify them by CEMA standards. Resources available for designing and selling screw conveyors, bucket elevators, drag conveyors and belt conveyors will be covered.

Students will increase their knowledge with exposure to a wide variety of bulk material handling applications in the industry today. This newfound knowledge will allow them to offer value-added products/services to their customers and increase their territory sales.

Bucket Elevators

The basic theory for sizing bucket elevators will be discussed along with component selection and the differences between centrifugal and continuous type bucket elevators. Each component will be discussed in detail including head and boot sections, types of buckets, and special features. Students will learn the basic bucket elevator calculations for determining bucket elevator size, horsepower and the rating of components (such as chain pull and head shaft sizing). Proper installation, start up, and operation procedures will be discussed. Students will learn about typical problems with bucket elevators, how to troubleshoot, and what solutions to offer their customers.

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Screw Conveyors

Students will receive a thorough overview of the basic components of a screw conveyor. Components will be available for assembly so students will get “hands-on” experience in the assembly of a screw conveyor. The basic theory for sizing screw conveyors will be discussed along with component selection. Students will learn the basic screw conveyor calculations for determining screw conveyor size, horsepower, and the torque rating of components. They will learn about conveyor safety and how to prevent accidents. Proper installation, start up, and operation procedures will be discussed. Students will learn about typical problems with screw conveyors, how to troubleshoot, and what solutions to offer their customers. Time will be spent discussing various industrial applications for screw conveyors. Examples of specific applications such as conveying high temperature, abrasive and corrosive materials along with the proper equipment design required for the application will be covered.

Drag Conveyors

Students will study the basic theory for sizing drag conveyors and component selection. Proper installation, start up and operation procedures will be discussed in detail. Examples of specific applications such as conveying high temperature, abrasive, and corrosive products will be discussed as well as the proper equipment design required for the application.

Belt Conveyors

Basic theory and design of Bulk Material Handling Belt Conveyors will be discussed. Students will learn about Belt Capacities, Belt Speeds and Belt Horsepower, along with a complete understanding of Belt Tensions.

Students will receive a thorough overview of the basic components and learn how to size belt conveyor components. In addition Belt Conveyor Safety and Conveyor Maintenance will be discussed.



REGISTRATION INFORMATION

4 Easy Ways to Register:

► On-line

www.IDCuniversity.com

► By Phone

1-317-244-9200

► By Fax

1-317-244-4600

► By Mail

Complete and mail enrollment form to:
IDC University
P.O. Box 42428
Indianapolis, IN 46242

Whatever your method of registration, be sure to enroll right away since space is limited.

Payment Information

- Check enclosed (payable to IDC-USA)
- Check mailed after faxing registration
- Please invoice us (IDC Member-Owners only)
- Debit Memo (IDC Preferred Suppliers only)

Bulk Material Handling Course

\$850 per person (includes course & materials)

\$725 for PTDA Members

\$700 for IDC Preferred Suppliers

\$600 for IDC Member-Owners



Please print or type:

Name and Title

Company

Mailing Address

City, State, Zip

Telephone

Fax

E-Mail

Session (please enter class dates on the line above)

Shirt Size