

The Manufacturing Process

2016 solid dose training

Techceuticals: hands-on training seminar

The Course

- Unit Operations
- Formulation
- Milling
- Granulating
- Blending
- Compression
- Coating
- Encapsulation

Defects

- Capping
- Lamination
- Sticking
- Hardness
- Metal
- Mottling
- Splitting
- Chipping
- Black Spots / DVD

About This Course:

The Manufacturing Process is a comprehensive solid dose training course that has been in the making since 1977. Loaded with practical information on how tablets and capsules are made, it is designed for experts and novices alike, putting the entire manufacturing team on the same page. The participant will be able to identify machinery, why it is used, and what it does. In other words, the participant will be able to go into any facility and understand the equipment and process at a glance. This training event is a hands-on, step by step program, covering why and how we manipulate powders to improve them for tablet and capsule production. We define each unit operation: weighing, milling, granulating, blending, tableting, tablet coating, and encapsulation. This is a team building course, one that can be delivered to small hands-on groups, or for the entire manufacturing team. We find that many companies send out scouts to participate in the hands-on session and then often request we deliver this course at their facility.

Who Should Attend:

Managers, Supervisors, Operators, Tech Services, R&D, Formulators, QA/QC, and Maintenance. This course is designed to provide powerful tools that the participant can put to work immediately. If you are involved in the tablet or capsule manufacturing environment this course is for you.

This Course Covers:

Unit operations for tablet and capsule manufacturing. Weighing, milling, granulating, blending, tableting, tablet coating, and encapsulation. Tablet & Capsule defects will be discussed in detail.



Billing and Mailing address: **PO Box 605100, Cleveland, OH 44105**

Training Location and Shipping address: **2917 E. 79th Street, Cleveland, OH 44104**

Email: sales@techceuticals.com Phone: 216 658 8038

www.techceuticals.com

The Manufacturing Process

The Manufacturing Process is a two and a half day comprehensive course covering the essentials needed to make quality tablets and capsules.

The Manufacturing Process is exactly what our industry is about today; delivering the methodology, documentation and mindset required to meet the needs of our changing industry.

We will focus on a step by step explanation of each unit operation within the manufacturing process, common terminology, and practical knowledge of each topic. Hands on breakout sessions will be part of this course!

The main topics are Formulation, Blending, Milling, Granulation, Drying, Final Blending, Tableting, Tablet Press Tooling, Coating, and Encapsulation.

The participant will be able to quickly look at a formula and determine the processes used to manufacture it. They will be able to go into any pharmaceutical or supplement company and understand the equipment and the manufacturing pathways.

This program will put different departments on the same page and is an excellent platform for in-house training.

Even the most experienced veteran will gain from this seminar. This will be the most enjoyable and educational seminar you have ever attended.

Training Center:

The Techceuticals Training Center in Cleveland, OH provides the perfect setting for a comprehensive manufacturing seminar.

We can always bring our training courses to your facility...anywhere in the world.

Topics & Schedule

Day 1—8:30 am - 4:30 pm

- Unit Operations
- Formulating
- GMP's
- Milling
- Granulating
- Blending

Day 2—8:30 am - 4:30 pm

- Tablet Operations
- Defects & Solutions
- Coating

Day 3—8:30 am - noon

- Encapsulation
- Summary / Q&A

Course Fee and information

This course fee will include a detailed course manual, personalized training certificate, along with continental breakfast, lunch, snacks, and beverages each day. Special diets can be accommodated, please be sure to discuss your needs with our registration team!

Fee Schedule:

- Single: \$1,995
- 2-4 People: \$1,795 each
- 5 or more people: \$1,595 each

***Classroom doors open at 8 am Dress: Casual**



TMP

"I learned more in a few days then the last 5 years"



Seminar Registration

Please register online at

www.techceuticals.com

TRAVEL RECOMMENDATIONS:

Airports:

Cleveland Hopkins International Airport (CLE) is approximately 15 miles from Techceuticals training center.

(Alternate airport: **Akron-Canton Airport (CAK)** is approximately 50 miles south of our location)

Where to stay?

Downtown Cleveland is the best option for quick access to Techceuticals and local food and entertainment in the evening including the Rock & Roll Hall of fame. Hilton, Hyatt, Westin, Hampton Inn, Marriot, Wyndham, The 9 Cleveland, Hilton Garden Inn, Intercontinental, and many others.

Hotels: with Techceuticals Corporate

The Hyatt Regency Cleveland at The Arcade

420 Superior Ave East, Cleveland, OH 44114
Phone: 216-575-1234...ask for the Techceuticals corporate rate. When booking online, please include 65001 in the Corporate or Group Code field.

The Westin Downtown Cleveland 777 Saint Clair

Avenue NE, Cleveland, OH 44114 Phone 216 771 7700
This booking URL is valid for Techceuticals rate
www.westin.com/Cleveland-TECHCEUTICALS

Airport Sheraton also provides a Techceuticals corporate rate...upon request.

Transportation Note: Downtown Hotels do not offer an airport shuttles. Rental cars are available at all airports.

PAYMENT INFORMATION

Register and Pay on-line at www.techceuticals.com

Prefer to pay on-site, issue a PO or pay by mail.

Techceuticals Billing & Mail address

PO Box 605100, Cleveland, OH 44105

Techceuticals Training location:

2917 E. 79th Street, Cleveland, OH 44104

Phone: 216 658 8038

E-mail: sales@techceuticals.com

Ask for Mike Tousey

Dress: Professional casual...remember we will be putting you to work. Bring safety glasses, we will provide a disposable lab coat.

What else do you need?

Nothing more. Maybe bring a sweater if you are cold natured. The lab is kept cool.

Meals: We will have fresh bagels and continental breakfast, catered lunch each day including soft drinks, coffee, juices, and water. Let us know if a vegetarian meals is require.

Allergies? Let us know any special requirements that may impact other participants such as a peanut allergy.

Special needs?

Let us know if you have any special needs, we will try our best to accommodate.

Training Manuals and Certificates are included

Training Courses

Tablet Pro

The Manufacturing Process

Encapsulation

Advanced Compression

Granulating

Film Coating

Tablet & Capsule Defects

Train the Trainer

Techceuticals Services

Risk Assessment

Troubleshooting Defects

Troubleshooting Equipment

Troubleshooting Process

Defects Resolution

Formulation Performance

Formulation Optimization

Equipment Inspection

Equipment Selection

Punch and Die Care

Punch and Die Inspection

Operator Training

Supervisor/Manager Training

CMO Audits

On-boarding

Tablet Press Performance

Granulating Process

Tablet Coating

Encapsulation Training

Blending Training

Milling Training

AN INVITATION FROM MIKE TOUSEY

I have been involved in the tablet making equipment since 1973 and have provided consulting and training to pharmaceutical, nutritional, chemical, industrial and related industries throughout the world. Everyone within the manufacturing facility from management to the operator, including R&D, QA, Tech Services, Maintenance, Supervisors, and Leads will benefit from our consulting and training programs. The goal is to have everyone exposed to the same information, to create a common denominator and to open communication within departments. Companies that participate in our programs are encouraged to use our training materials to improve their own in house training programs.

You're invited to visit our website for technical tips, published articles, and many other resources. Please visit us at: www.techceuticals.com. I invite you to discuss this information with me in person. I look forward to hearing from you.

Sincerely,
Michael D Tousey
Technical Director/CEO



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