



 **SOLID DOSE EXPERTS**  
**TECHCEUTICALS**

**A Solid Dose Training Program**

**Solid Dose Manufacturing  
and Troubleshooting**

**3.5 Day Hands-on Seminar**

**Limited seating...max 12 people for the ultimate hands on event**

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***Techceuticals***

***"Experts with Real Experience"***

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## About the instructor Michael Tousey

- Worldwide trainer and troubleshooter for solid dose manufacturing.
- Specialized in the areas of Tablet and Capsule Defects resolution, Weighing, Fluid Bed Granulating, High Shear Granulating, Dry Granulating, Milling, Blending, Tablet Compression and Tooling, Coating, Encapsulation, Bottle and Blister Packaging
- In industry- Pharma, Nutritional Chemical, and Industrial since 1973
- Established Techceuticals in 1989 as a California Corporation
- Provided training programs through The Center for Professional Advancement since 1987 in USA and Europe and Mountain Lands Technical College, Orem UTAH
- Technical Advisor for Tablet & Capsule Magazine
- Published author on tablet making, capsule manufacturing, pharmaceutical packaging in the Pharma and Nutra industries
- Provides emergency equipment and process repairs world wide.
- Setup facilities world wide including China, Russia, Canada, Mexico
- International equipment representative for O'Hara Technologies of Richmond Hill, Ontario Canada from 1987-1997
- Provided Training programs for over 320 Manufacturers of solid dosage forms including USA, Canada, Mexico, England, Ireland, and Sweden
- Has held positions within Pharmaceutical and Nutritional manufacturers
- Provider of Technical Presentation for the World Trade group
- Provides industry Webinars on manufacturing techniques

## Solid Dose Manufacturing and Troubleshooting

The Solid Dose Manufacturing and Troubleshooting is an expanded Hands-on version of The Manufacturing Process training program., we have added an additional day. This is a three and a half day comprehensive course covering the essentials needed to make quality tablets and capsules. This course is the prerequisite program for our Train the Trainer program. Also, this class is limited to 12 people.

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.

## TRAVEL RECOMMENDATIONS:

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

**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 Rate:**

**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. Note: The Hyatt is directly across from the famous restaurant row.

**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](http://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.



## **Agenda**

Day 1—8:30 am - 4:30 pm

- Unit Operations
- Formulating
- GMP's
- Dry Granulating

Day 2—8:30 am - 4:30 pm

- Wet Granulating
- Milling and Blending

Day 3—8:30 am - 4:30 pm

- Tablet Operations
- Tooling Operations
- Defects & Solutions

Day 4—8:30 am - noon (lunch served 12-1)

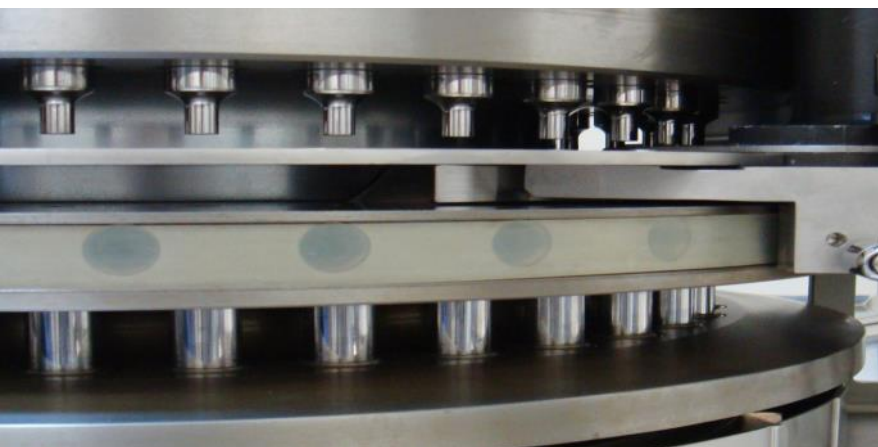
- Coating
- Encapsulation
- Summary / Q&A
- 12:00 Noon is the official end, lunch is 12-1pm
- 1pm-5pm open session

### **Course Fee and information**

This course fee will include a detailed course manual, personalized training certificate

Fee Schedule:

- Single: \$2,495 each
- 2-4 People: \$2,195 each
- 5 or more people: \$1,995 each





**PAYMENT INFORMATION** Register and Pay on-line at [www.techceuticals.com](http://www.techceuticals.com)

**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. Please let us know if vegetarian meals are required, or any other special dietary requirements we should be aware of.

**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.

**Please note:** We will ask each participant to sign a photo release form. We commonly take photos of events and activities. If an individual or company policy does not permit photographs or videos. We will edit and remove any photos that may inadvertently capture by mistake.

## The Course

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

## Defects

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

## Contact Us

Give us a call for more information about our services and products

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**Emergency ?...Call Mike Tousey' s  
mobile phone at 843 540 1239**

## Training Lab Sponsors

KORSCH-Tablet Compression Specialists

Fluid Air - Process Equip

Glatt- Granulating Equipment

Fette America—Compression Experts

Natoli Engineering—Tooling

IMA—Encapsulation & Compression

O'Hara Technologies- Coating

Nilfisk- the best vacuums in the business

Vector—Roller Compaction

Pfizer— Technology

Bosch—Encapsulation

IPR— Tablet press

Globe Pharma—Equipment Technology

FEDERAL EQUIPMENT Company— the  
best & biggest used equipment dealer in the  
world



[www.techceuticals.com](http://www.techceuticals.com)