

# NATOLI SCIENTIFIC

LABORATORY SERVICES FOR THE TABLETING INDUSTRY



Resolve common tableting issues such as sticking, picking, capping, lamination and tool binding.

## UNIQUE SOLUTIONS TO MEET YOUR CHALLENGES

Founded to solve your most complex compression tooling challenges, **Natoli Scientific** uses research and experimentation to find solutions to the industry's most pervasive problems.

We strive to provide proactive and customized solutions to combat common manufacturing issues such as sticking, picking, capping, lamination, and tool binding that can often be eliminated by changing tablet design, tool steel, coating, and/or tool configuration.

CLICK HERE TO  
LEARN MORE!



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## YOUR PARTNER IN TESTING, DESIGN & MANUFACTURE

**Natoli Scientific** is dedicated to providing our customers with solutions to their unique tablet manufacturing problems through testing, experimentation and reporting.

By partnering with customers, utilizing joint resources, working closely with the Academic Research Consortium, and conducting experiments at **Natoli Scientific** facilities, we are able to provide solutions, data, and expertise to the tableting industry in the following areas:

- Tablet sticking and picking
- Formulation evaluation, modification and testing to reduce tablet problems
- Formulation evaluation for tool steel and coating recommendation
- Formulation modification to improve quality and performance in the tablet press
- Recommendations on coatings for abrasive and corrosive formulations
- Investigation of tool steel failure



a division of Natoli Engineering Company, Inc.

# NATOLI INSTITUTE

FOR INDUSTRIAL PHARMACY DEVELOPMENT & RESEARCH



In an effort to advance pharmaceutical compression science, Natoli Engineering has established the **Natoli Institute for Industrial Pharmacy Development and Research** in partnership with **the Arnold and Marie Schwartz College of Pharmacy and Health Sciences at Long Island University (LIU)**. Located on the Brooklyn campus of LIU, the Natoli Institute features dispensing, formulation, compression, and coating suites.

Supporting one of the few industrial pharmacy programs in North America, the institute is dedicated to advancing knowledge in the field of pharmaceutical solid oral dosage engineering operations and instrumentation. The facility will provide opportunities for grad students to find innovative solutions to complex formulation problems through research and implementation.

The facility features traditional solid dosage formulation equipment, as well as the technology to perform research using the latest techniques and industry best practices. The institute is one of the few to offer hands on training and the opportunity to perform research that will impact the industry.

Work will focus on understanding many of the long time problems associated with the compression of tablets, the development of formulations for new and existing

molecules, and the measurements required to ensure proper delivery of formulations to the tablet press.

In addition to providing a facility for students to learn industrial pharmacy unit operations for solid oral dosage forms, the **Natoli Institute** will be a resource for Natoli customers to have their tableting challenges investigated, such as sticking, picking, tablet disintegration/dissolution, formulation issues and feasibility experiments.

The institute will also offer training for all pharmaceutical purveyors of solid dosage forms.

## ACCEPTING PROJECTS:

1. Contract formulation and developmental work
2. Tablet picking and sticking issues assessment
3. Tablet manufacturing training
4. API solubility and bioavailability determination