# NP-155

## double-sided rotary **tablet press**


# INCREASED **EFFICIENCY**

NATOLI

*YOU DEMAND. WE DELIVER.*

**natoli**.com

# INCREASED PRODUCTION RATE
## and better yields = efficiency

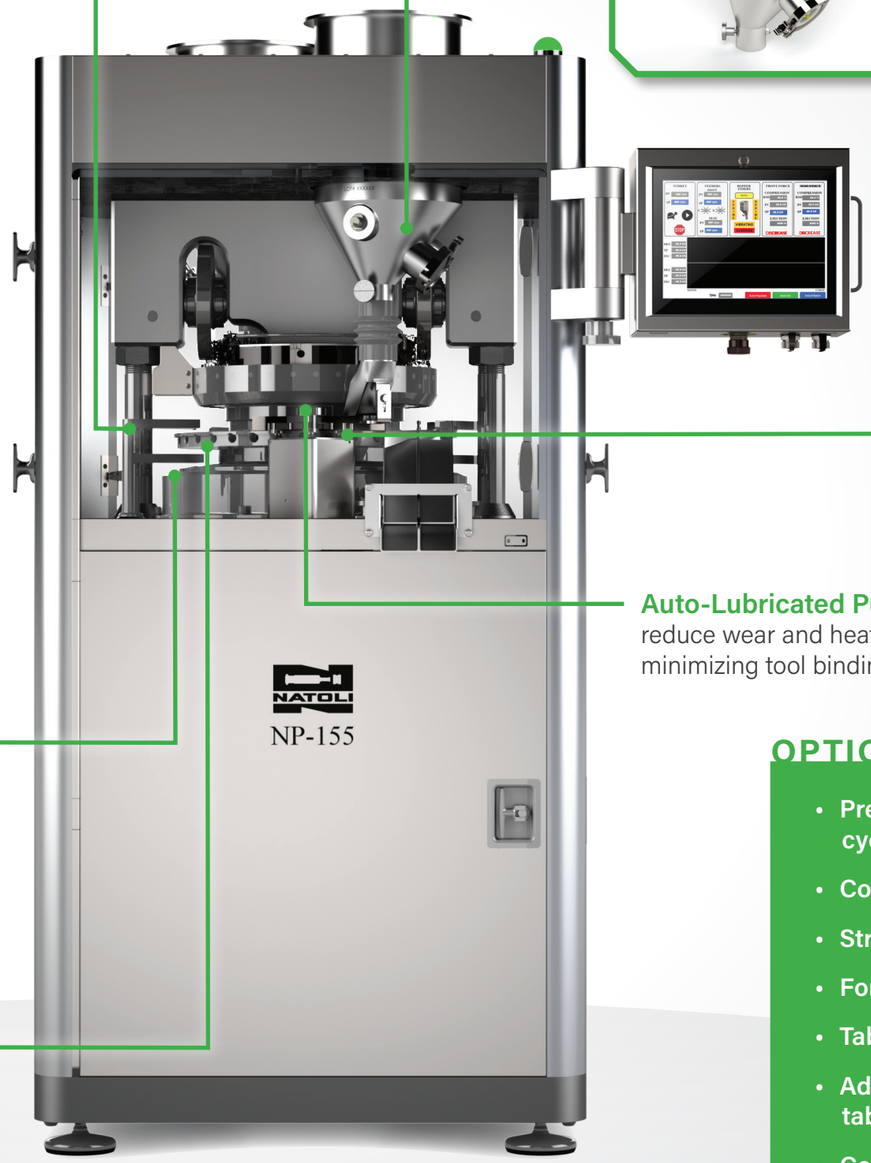
The NP-155 is equipped with essential features that were designed and engineered to produce quality tablets at an affordable price. With its double-sided design, the NP-155 produces two tablets per press turret cycle, allowing you to double your tablet production while running at standard single-sided rotary press speeds. The NP-155 provides significant versatility for delivering exceptional tablet quality, consistency, and production.

### TABLET CONSISTENCY
Unique cam system design increases the natural vacuum created when the lower punches are pulled down under the feeder opening which helps pull the powder into the dies more efficiently.

### COMPRESSION FORCE
Drive systems and gearboxes have been designed to run consistently at the higher compression forces required for some tablets.

**Dual Vacuum System**
keeps compression area clean by removing excess formulation before it migrates onto punch barrels or other critical areas of the tablet press.

**Continuous Punch Head and Cam Lubrication**
delivers punch head grease to the punches and cams during operation which reduces punch head and cam wear.

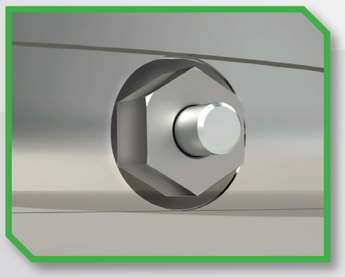



**Powder Flow Enhancer (PFE)**
improves consistent powder flow, eliminating rat holing and bridging.

**Upper & Lower Snap-in Punch Seals**
are easy to replace and protect punch barrels and punch guides from sticky, corrosive, and abrasive products—while reducing punch binding, wear on upper and lower turret sections, and cam wear.

**Auto-Lubricated Punch Guides**
reduce wear and heat build-up, minimizing tool binding.

**NATOLI EXCLUSIVE FEATURES!**



**Push-button, Self-adjusting Lower Punch Retainers***
allow for constant and consistent force, assuring all tooling moves uniformly, which results in enhanced tablet weight control, as well as reduced tooling and cam wear.
**patent pending*

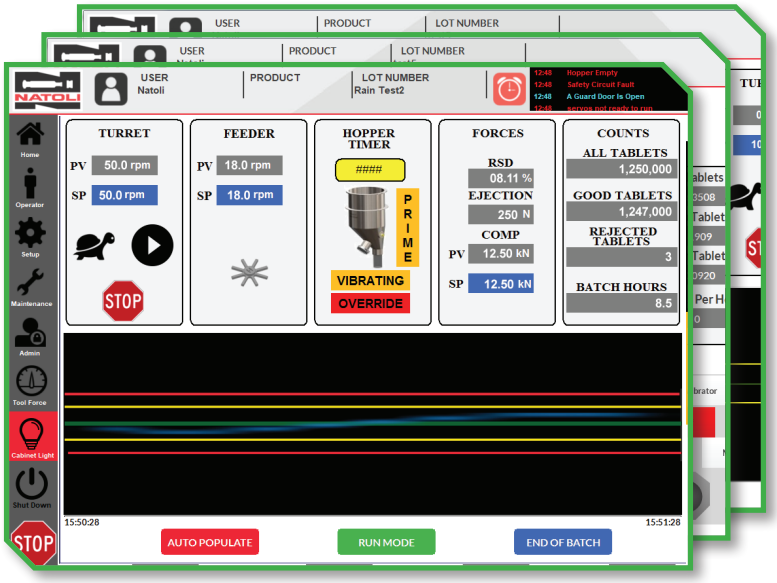
**Take the guesswork out of adjusting lower punch retainers!**

### OPTIONAL FEATURES

- **Pre-compression mode: allows first compression cycle to be used as pre-compression if needed**
- **Compression Force monitoring**
- **Strain-guaged ejection cam**
- **Force feeder**
- **Tablet reject chute**
- **Adjustable tablet ejection air stream to aid with tablet ejection, reducing tablet damage**
- **Combination caster/levelers for easy setup**
- **Modular shipping crate allows press to be moved from state to state easily and securely**

# Natoli AIM™ Control System

Designed for user-friendly and trouble-free operation, the tried and proven **Natoli AIM™ Control System** acquires and reports critical tablet production data in an integrated 21 CFR Part 11–compliant system architecture.




## Natoli AIM™ Tracks & Reports:

- Force deviation during batch production*
- All produced tablets in the following categories: setup, batch, or rejected tablets*
- Critical alarms, starts, stops, and error codes per batch
- Batch and end-of-batch production data*
- Batch RSD monitoring for product variation*

**Instrumented force monitoring option is required for these functions.*

## NP-155 TABLET PRESS SPECIFICATIONS:

| | 45 STATION | 35 STATION | 37 STATION |
|---|---|---|---|
| **TOOLING SIZES** | | | |
| Punch Type | EU 19/ TSM B/ MDT-19 | EU 19/ TSM B/ MDT-19 | EU 19/ TSM B/ MDT-19 |
| Die Type | BB | B | B |
| **TABLET CAPACITIES** | | | |
| Max. Depth of Fill (Stnd./Double) | 17.5 mm (0.69")/27 mm (1.063") | | |
| Maximum Round Diameter | 12.7 mm (0.5") | 17.46 mm (0.6875") | 17.46 mm (0.6875") |
| Maximum Thickness | 8.73 mm (0.3437") | 8.73 mm (0.3437") | 8.73 mm (0.3437") |
| Multi-Functional Press Option | Double-sided press with the capability to convert side one to pre-compression* | | |
| **OPERATING FORCES** | | | |
| Main Compression Force | 57.82 kN | | |
| Pre-Compression Force* | 57.82 kN | | |
| Pitch Circle Diameter | 384.18 mm | | |
| **PRODUCTION** | | | |
| Turret Speed | 50 RPM | | |
| Tablets Per Hour** | 54,000-270,000 | 42,000-210,000 | 44,400-222,000 |

** When pre-compression option is installed*
*** Double filling and pre-compression modes of operation cut the output rates by 50%*

**Learn more about Natoli's NP-155 production tablet press at www.natoli.com/tablet-presses or contact your Natoli representative today!**

MANUFACTURED IN THE UNITED STATES OF AMERICA

*YOU DEMAND. WE DELIVER.*
**NATOLI ENGINEERING COMPANY, INC.**
**natoli.com** • info@natoli.com • +1 636.926.8900

NATOLI

Form: