

NP-P20A

single-station tablet press



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NATOLI NP-P20A

Natoli Engineering's NP-P20A single-station hydraulic tablet press is a favorite for the production of injectable micropellets and for marginal formulations requiring deep-fill. The NP-P20A meets the FDA's requirements for batch reporting and secure data management under CFR 21 Part 11 compliance.

FORMULATION FILL OPTIONS

- 1. Standard Fill:** Produces standard-sized tablets from formulations that are capable of consistently filling the dies.
- 2. Shaker Fill:** Enables injectable micropellets to be produced vertically even with product formulations whose characteristics will not fill the die consistently.
- 3. Deep-Fill:** Provides the fill depth to make very thick tablets and injectable micropellets vertically even in higher dosages.
- 4. Double-Fill:** Produces tablets that require more fill depth than allowed with the deep-fill option.
- 5. Pre-compression:** Eliminates air entrapment to prevent capping and lamination and can be run simultaneously with other operating modes.



Key Benefits:

- **Consistent Pellet/Tablet Thickness:** Both upper and lower punch positions are adjusted at maximum compression to ensure consistency of tablet/pellet thickness, a critical dimension for injectable therapies.
- **Rejects Defective Tablets:** User-programmable tablet rejection system automatically identifies and rejects tablets based on compression force changes and the position of the upper and lower punches at maximum compression.
- **Consistent Weight Control:** Feeder paddle speed and fill time of the die are adjustable to allow even hard-to-tablet products to be produced at consistent weight.

NP-P20A Features

- Natoli AIM™ ProPlus operating system software
- Easy-to-use menu-driven operation
- User-friendly interface displayed on a 12" HMI touchscreen
- Mobile press with four casters
- Utilizes standard TSM and EU B, D, core rod, deep-fill, and multi-tip tooling. Tooling can be keyed or not keyed
- Programmable parameters for pre-compression force control and compression force control
- Completely enclosed guard system
- Autodosing feature adjusts dosing to maintain compression force with product granulation density changes
- Automatic ejection

Optional Features:

- Deep-fill B and D tooling option increases B or D tooling maximum depth of fill from 12.7 mm to 34.9 mm using special deep-fill tooling.
- Core rod B and D tooling.
- Large tablets with a major axis up to 50 mm can be produced in standard and unique shapes.

NATOLI AIM™ ProPlus Control System

Industry-leading Natoli AIM™ ProPlus control system software provides all the reporting and features of a full-size production rotary tablet press – modified to a single-station configuration.

Natoli AIM™ ProPlus includes:

- **Audit Trail Module:** Records all critical setting changes during batch production.
- **Recipe Module:** Reduces set-up time by storing product recipes in a secure database.
- **Batch Reporting Module:** Records and stores all batch records, alarms, errors, and stops and starts. This information can be extracted to a USB drive or automatically saved to a secure network drive.
- **Security Module:** Has five levels of security based on job function. Authentication and accessibility to different modules can be managed at the console or from a remote connection. Optional authentication using an HID badge can be added.
- **Remote Module:** Provides a secure connection so settings and critical production data can be monitored remotely from a desktop PC. Natoli engineers can troubleshoot issues, monitor performance, and install software upgrades remotely after hours if required.

Natoli AIM™ is a trademark of Natoli Engineering Company, Inc.



NP-P20A easy-to-use interactive HMI screen

NATOLI NP-P20A TABLET PRESS SPECIFICATIONS:

SPECIFICATIONS					
Station Count	1	1	1	1	1
Punch Type	EU 19 / TSM B	EU 1" / TSM B	EU 1" / TSM D	Deep Fill D	Deep Fill B
Die Type	B	BB	D	Special	Special
Max. Depth of Fill	20.6mm (.8110")	17.5mm (.6875")	22.2mm (.8740")	12.7–34.9mm (.5000–1.3740")	12.7–34.9mm (.5000–1.3740")
Max. Round Diameter	17.5mm (.6875")	16.0mm (.6299")	23.8mm (.9370")	23.8mm (.9370")	17.5mm (.6875")
Shaped Major Dimension	19.1mm (.7519")	16.0mm (.6299")	25.4mm (1.00")	25.4mm (1.00")	19.1mm (.7519")
Max. Main Compression Force	42 kN / 9,500 lbs				
Max. Pre-Compression Force	42 kN / 9,500 lbs				
Tablet Rate Per Hour	120				
Weight	500 kg / 1100 lbs				
Shipping Weight	680 kg / 1500 lbs				
Power Requirements	110-230VAC 1ph 50-60hz 24 amps				

Learn more about Natoli's NP-P20A single-station production tablet press at www.natoli.com/tablet-presses or contact your Natoli representative today! +1 636.926.8900



NATOLI ENGINEERING: Dedicated to Supporting Our Industry

Natoli Engineering Company is the world-renowned leader in tablet press tooling manufacturing. **But we are far more.** Founded on the uncompromising principle to manufacture and deliver the highest quality products at a fair price with exceptional customer service, Natoli continues to build on 40 years of innovation and industry leadership.

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