

NP-RD20 TABLET PRESS

MOBILE PRESS IDEAL FOR TESTING BEFORE SCALE UP

GREAT FOR
FORMULATION
DEVELOPMENT

KEY BENEFITS



Ideal for use during formulation development as it produces product in small quantities to test and features adjustable dwell time



Permits independent control of both tablet density and weight to meet precise production requirements



Eliminates the need to handle multiple tool parts to compress a single tablet



Data acquisition capabilities allow you to collect and track results including compression curve and elasticity in single, bi-layer, and multi-layer tablets



Reduces formulation waste



KEY FEATURES

- Utilizes Standard TSM and EU "B"; "D"; "B2 Short Lowers"; "Core Rod"; "EK0" or "F" Tooling
- Touch-screen Operator Interface
- Programmable Parameters for Precompression Force Control, Compression Force Control, Dwell Time and Automatic Cycle Return
- ½" Thick Lexan® Guards
- Micro-Adjustable Depth of Fill
- Extra Deep Fill Capacity Option
- Automatic Ejection
- CE Certified
- 42 kN, 9500 lbs Compression
- Multi-Layering Capabilities and More
- Data Acquisition via Exportable CSV File
- Mobile Press

The **NP-RD20** is a mobile laboratory tablet press designed for R&D use. This single-station hydraulic press is loaded with features to help you move from R&D to scale up.



STANDARD FEATURES

- TSM "B" or "D" type tooling compatible. Tools can be keyed or not keyed.
- EU "B" or "D" type tooling compatible. Tools can be keyed or not keyed.
- CE certified
- Easy lever-controlled tablet ejection; requires no disassembly.
- Quick tooling changeover done under two minutes
- Multilayer tablet capability
- Digital micro fill gauge for accurate dosing of the dies
- Compression zone protected by heavy Lexan guards
- Electro-less nickel coated frame to prevent corrosion
- HMI controlled with Data Acquisition for collecting test results such as compression curve, elasticity and ejection force
- Programmable dwell times from 1 ms to 30 seconds
- Programmable main and pre-compression cycle emulations

Lexan guards, micro-adjustable depth of fill and quick tooling change over make the **NP-RD20** the ultimate solution for R&D tablet compression.



Touch-screen operator interface for programming and testing compression parameters.

OPTIONAL FEATURES

- Deep fill "B" tooling option increases "B" tooling maximum depth of fill to 1.313" (33.34mm) using special RD10 deep fill "B" type tools. Tool holder made from A2 tool steel.
- Deep fill "D" tooling option increases "D" tooling maximum depth of fill to 1.313" (33.34mm) using special RD10 deep fill "D" type tools. Tool holder made from A2 tool steel.
- "F" Press tooling option
- Core rod "B" tooling option allows use of special RD10 "B" core rod tools.
- Core rod "D" tooling option allows use of special RD10 "D" core rod tools.
- Die-less tool set option allows for the normal die holder to have the tablet shape machined into the holder rather than mounting a separate die with the tablet shape.
- "EK0" tooling option
- "B2" short lowers option
- RS 485 serial communications output
- Digital process meter for data acquisition via RS-485 port
- Automated feed system

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