

MiniPress II

Fully Automated Rotary Tablet Press

The MiniPress II Fully Automated Rotary Tablet Press is a robust versatile machine, which is designed to meet the strict GMP requirements. It is an ideal solution for R&D, small batch production and above all for Galenic Formulation Development, feasibility studies and for Preparation of Master Manufacturing Procedures. A gravity Feeder as well as a rotary Force Feeder with an adjustable speed are included as standard.



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Application Range

Thank the Force Feed adaptability; the MiniPress II Fully Automated Rotary Tablet Press can handle even powders and granules of difficult flow characteristics. The adjustment of the production parameters (e.g. Flow rate of powder, filling depth, and tablet thickness) can be easily performed by the operator. The pre-compression force can reach up to 20 KN (2Ton). The main compression force can reach up to 60 KN (6Ton) at the final compression stage. An overload safety system is also integrated.

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Machines Virtues

The MiniPress II Fully Automated Rotary Tablet Press is used as a table top machine. The table is not included in the standard supply scope. Thank the smart design of the MiniPress II Fully Automated Rotary Tablet Press, you can:

- » Choose the tooling at order: Single Tooling or Multi-Tooling.
- » Use a single phase power supply and choose the electric power supply of your country.
- » Easily and quickly mount/dismount the Punch-Die- set.
- » Operate the machine and clean it quickly.

Contact parts of the Mini-Press II – Rotary Tablet Press are made of L316 stainless steel, while the turret and cam tracks are ELNP coated to give protection against wear and tear. Optional L316 Stainless Steel Turret is also available.

All contact parts are made of GMP Compliant materials and can be sterilized in accordance with GMP.

Safety Measurements

- » Safety Sensors at Upper and Lower Compartments
- » Integrated Overload Protection
- » Integrated De-Dusting Nozzle Assembly
- » Anti-Vibration Pads

Advantages

- » Can handle non-free-flowing powders
- » Supports multi-tooling
- » Good solution for R&D and small batch production
- » Easy to install & maintain
- » Corrosion resistant, medical & food grade contact parts
- » Meets European standards

Features

- » Compact and versatile
- » Smart design
- » GMP compliant
- » Ce certified

Standard Scope of Supply

The MiniPress II (part. no. 40-02300) comes with the following standard scope of supply:

- » One Set of Regular Shaped Punches and Dies as per Required Drawing
- » Force Feeder with Hopper
- » Gravity Feeder Frame with Hopper
- » Built-In Pre-Compression Feature
- » ELNP-Turret and Cam Tracks
- » Dash Board Including all Controls
- » Complete Installation Tool Kit
- » Anti-Vibration Pads
- » IQ, OQ and User Manual

Options

- » L316 Stainless Steel Turret
- » Massive Mobile L316 Stainless Steel Table

Application Specifications

Parameter	Specification
Operation principle	<ul style="list-style-type: none"> » Rotary tablet pressing with pre-compression » Compatible with force feeder and gravity feeder
Process range	<ul style="list-style-type: none"> » Fully automatic tableting » Low volume batch production, galenic development and R&D » Preparation of master manufacturing procedures
Feed characteristics	Granules and powders
Range of applications	Pharmaceutical, herbal & alternative medicine, agriculture, chemicals, detergents

Tooling Specifications

Type of Tooling	Mono Tooling D	Mono Tooling B	Mono Tooling BB	Multi Tooling D/B, D/BB, B/BB
Number of Stations	8	10	12	Up to 12
Max. Production Rate [Tablet/h]				
Depends on Feed Properties, Instrument and Process Parameters	Up to 15000	Up to 19000	Up to 19000	Up to 7700
Max. Tablet diameter [mm]	23	15	12	15 - 23
Max. Depth of fill* [mm]	20	17	15	15 - 20
Die Outer Diameter [mm]	38.10	30.16	24.00	24.00 - 38.10
Punch Barrel Diameter [mm]	25.4	19.05	19.05	19.05 - 25.4

Technical Specifications

Parameter	Specification
Controls	All controls for setting tablet parameters are integrated and user friendly
Powder feed	Exchangeable gravity and force feeders
Contact parts	GMP compliant
Material of turret and cam tracks	ELNP coated (optional L316 SS turret)
Turret rotating speed	12 – 32 rpm
Speed control	ACVF. AC Variable Frequency drive
Max. pre-compression force	20 KN (2 ton)
Max. compression force	60 KN (6 ton)
Power supply	One phase, 110/220 V, AC
Electric motor	2 HP, 1440 rpm, 415V AC
Force feeder motor	0.125 HP, 220V AC, 75 rpm
Instrument dimensions	Approx. 460 x 675 x 1060 mm (width x depth x height)
Packaging dimensions	Approx. 600 x 850 x 1200 mm (width x depth x height)
Net/ Gross weight (without sieve stacks)	Approx. 400 / 550 kg

We reserve the right to make technical changes without any prior notice.