

FLEXITAB®



The Manesty **FLEXITAB®** has the capacity to manufacture tablets and to simulate compression stages.

The TFT touch screen panel PC and PLC based control system along with the **FLEXITAB®** software offers an advanced solution when developing new drugs.

The **FLEXITAB®** was developed to support the production of small batches and offers a complete solution to the research and development of new tablets.

The **FLEXITAB®** has the ability to simulate the compression forces and dwell times of modern tablet presses. It uses standard B and D type tooling and can produce the same range of tablets that are required in manufacturing.

The displacement data and the operator analysis modes make the **FLEXITAB®** the most flexible tablet press in the industry.

Features of the **FLEXITAB®** include:

- Manesty / Euro B and D tooling is simple and quick to install.
- Simple adjustment for tablet weight, force, dwell, and thickness.
- Very small development batches are easily completed with no loss of granulation.
- Clean down / change over is quick and simple.
- Tablet production modes include automated, series and step by step.
- Pneumatic / Hydraulic compression force system.
- Laser powder sensor – Die fill.
- Compression profile and tooling list data storage.
- Safety features include sensors for punch penetration and interlocked guards for the compression area.
- Air blast die face cleaning system and vacuum dust extraction
- The **FLEXITAB®** comes with lockable wheels for portability

FLEXITAB® Options:

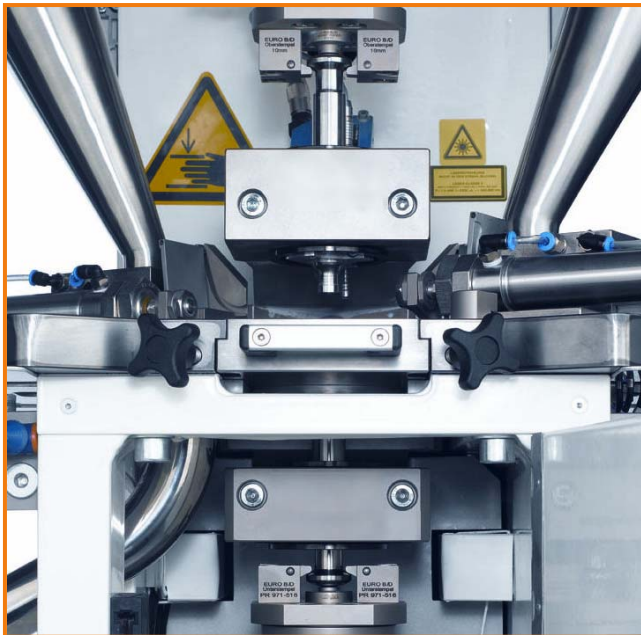
- Multi-layer tablet functions.
- External lubrication of punch faces / die bore for sticky products.
- DAQ 4 data acquisition software.
- Press force, ejection force and path force in real time.

Unlike all other tablet presses, the **FLEXITAB®** is not fixed to a compression cycle. All parameters are fully adjustable. The software and Siemens S7 based PLC control system gives the operator the ability to study and experiment with all parameters of a compression cycle. This flexibility also offers basic operating modes for simple production of tablets.



3 - layer tablet production setup

FULLY AUTOMATED SINGLE STATION TABLET PRESS



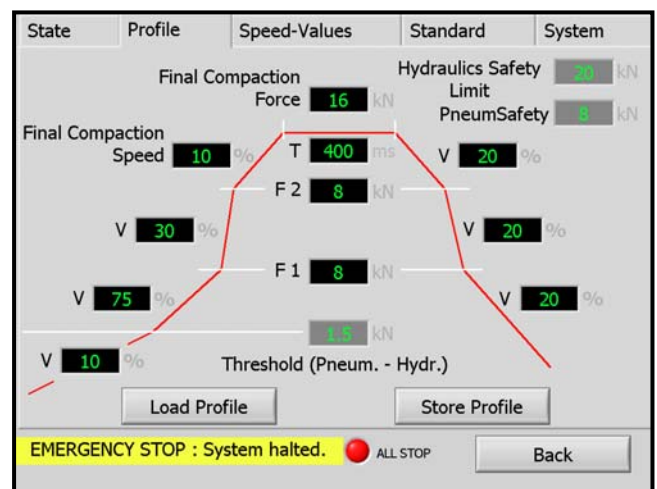
Easy fitment of punches and dies

Technical Specification for Basic Operation:

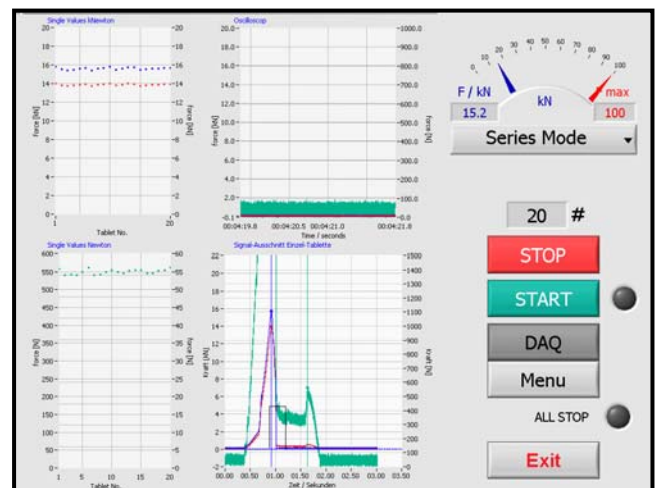
Tools:	Manesty / Euro / TSM B & D (other tools on request)
Press force upper punch:	2 – 100 kN
Ejection force lower punch:	7 kN
Capacity for one layer:	approx. 17 pieces / minute
Capacity for two layers:	approx. 10 pieces / minute
Capacity for three layers:	approx. 5 pieces / minute
Air pressure;	6 – 8 bar (87 – 116 psi)
Electric power:	220V / 50 Hz / 16 Amp (110 v version is also available).
Size:	1980 x 1420 x 720 mm
Weight with table:	approx. 800 kgs



Main operation Screen



Compression force profile setting screen



DAQ4 Data acquisition screen



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