

STYL'One Evo

R&D, SCALE-UP AND PRODUCTION SUPPORT



« Let your powder speak to you »

STYL'ONE EVO TABLETING INSTRUMENT

The all-in-one multi-functional R&D press from early API characterization and formulation to scale-up at production speed



MEDELPHARM
the tableting instrument company

The most advanced R&D press designed as multi function tool adapted to every demanding need from early research to production support

A REAL SWISS ARMY KNIFE FOR THE MOST DEMANDING SCIENTIST

POWERFUL, YET EASY TO USE

From the beginning the STYL'One Evo has been designed as an easy to use, easy to clean R&D press. All parts are easy to dismantle to go in a dishwasher and maintenance is simplified with no pollution risks from hydraulic fluids.

The power full software is very intuitive and changing format takes a few minutes, allowing to set-up studies very efficiently. Flexibility include working in displacement mode like any rotary press or working with given compression force targets to answer formulators' needs.

You can create your own experiment, use saw tooth or square profile, or replicate rotary press or roll compactors behavior. A unique versatility in a tableting equipment that can also meet GMP requirements for small production batches.

Open your research horizon with STYL'One Evo now!

FULLY INSTRUMENTED PRESS FOR EARLY API CHARACTERIZATION

The STYL'One Evo comes fully equipped to provide you precise information on your powder. Additional accessories enable you to measure die-wall, heat, take-off, etc .

AUTOMATED RESEARCH FOR QUICK FORMULATION SCREENING

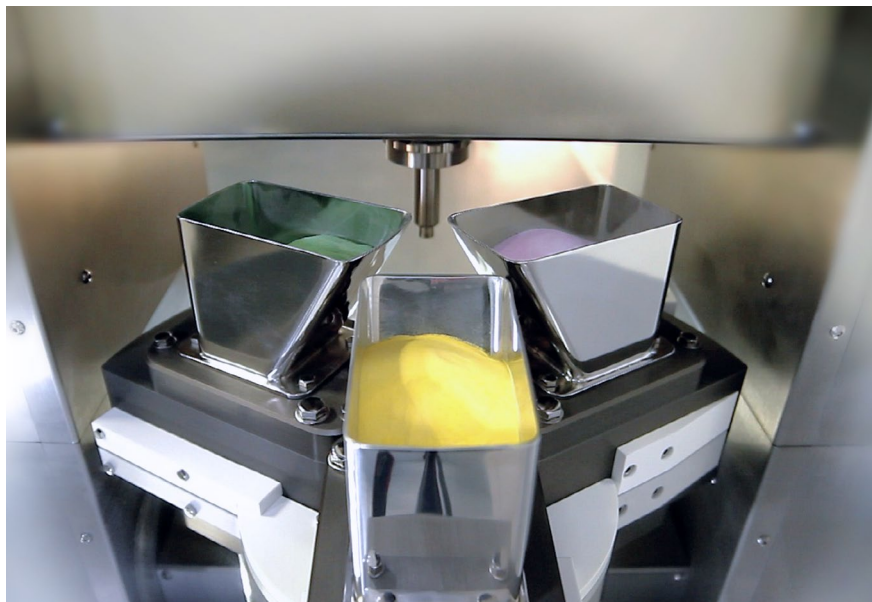
The automation allows you to automatically produce tablets at a given target force, and to plot a pressure/tensile strength graph in no time.

SINGLE LAYER, UPGRADABLE TO MULTILAYER AND TAB IN TAB

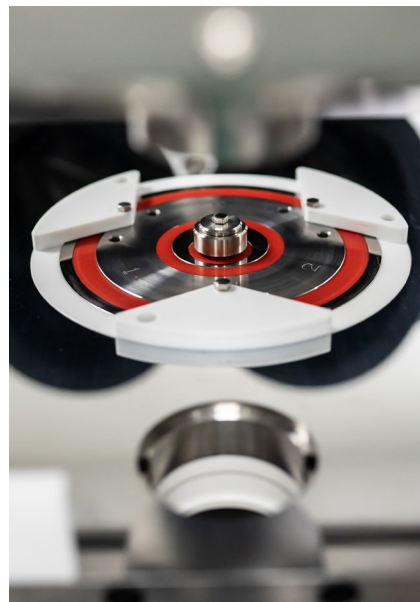
There are no limits should you wish to explore those avenues. Simple software and hardware guidance allows you to set-up weight and tamping force of your 5 layer tablets in a few minutes with no powder loss.



Enhanced Operator Safety option



Multilayer tableting



Easy format change

PRODUCTION PRESS MIMICKING FOR SCALE-UP AND TROUBLESHOOTING

The STYL'One Evo is a compaction simulator that can reproduce the high compression speed of large production rotary presses, allowing you to produce a small batch of real prototypes of your production. The paddle feed shoe and weight regulation system help you in supporting your production floor in problem solving.

ROLL COMPACTION SIMULATION

The unique hybrid modelling optional package can represent any roll compactor.

By setting the target solid fraction of "riblets" = "ribbon tablets", the formulator can validate his options in dry granulation, and predefine the set-up parameter of his roll compactor (gap, speed, compaction pressure).

STANDARD, MULTI-TIPS AND OVERSIZED TOOLINGS

The STYL'One Evo can be fitted with EURO/TSM B&D tooling but also reinforced head D-441, multi tips for mini-tabs, or even very large sizes for dishwasher tablets.

Configure your tableting equipment with options adapted to your needs

EARLY RESEARCH AND DEVELOPMENT OPTIONS

You can instrument your die wall, adapt heat/cooling systems, use specific feed shoe, instrument take-off. The tab in tab feed shoe allows you to produce a batch of similar core tablets to test impact on bioavailability.

WE NOT ONLY
PROVIDE YOU THE
MOST ADVANCED
EQUIPMENT, BUT
OUR FORMULATION
SCIENTISTS TEACH
YOU HOW TO GET
THE MOST OF IT

SCALE-UP AND PRODUCTION SUPPORT

Optional GMP software brings your production to new levels with weight regulation and tablet rejection system. The micro dosing unit allows production using external lubrication. The software enables automatic data transfer from hardness or 5-parameter tablet testers.

ALL LEVELS OF CONTAINMENT POSSIBLE

By design the STYL'One Evo is very clean to lower the risk of exposure. Standard equipment

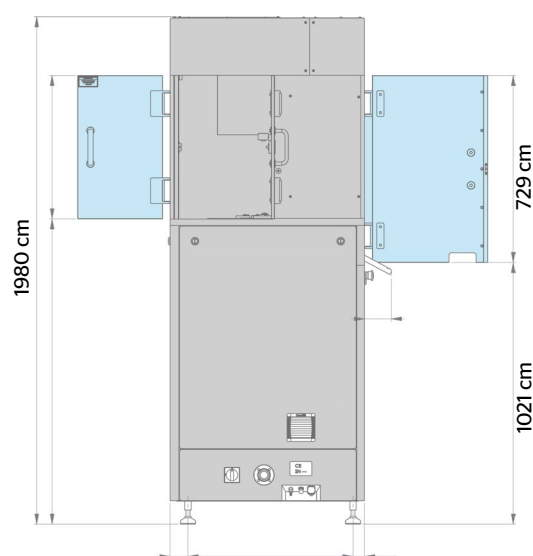
uses only limited amount of powder, and the vacuum creates negative pressure in the compression zone. Additional Enhanced Operator Safety allows you to control and monitor this negative pressure or flood your equipment with Nitrogen.

Full containment can be extended to an eight-glove station built around the tableting instrument. The tablets are being produced and can be checked before exiting the isolator.

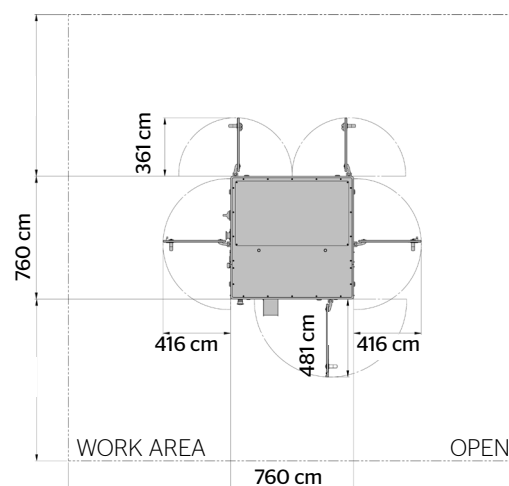
Technical Data

Number of press stations	1
Tool type	B+D (EU/TSM), oversized, core rods *
Die	BBS, BB, B, D, oversized *
Maximum tablet diameter (mm)	21 (B) – 25 (D) – 40 (oversized) *
Maximum output (tablets/hour)	1750
Feed shoes (up to 3,5 possible)	Hand feed, gravity, paddle force feeder, core feeding
Maximum die filling (mm)	21 (B) – 23 (D) – 34 (oversized) *
Compression mode	Force or displacement driven
Compression zone	Adjustable 1 to 12 mm insertion depth.
Max. pre-compression force (kN)	50 kN standard *
Max. compression force (kN)	50 kN standard *
Punch movement	Selectable 1 punch only or upper and lower
Dwell time (ms)	<2 ms can be extended up to 3 s
R&D accessories	Instrumented die, heated die, enhanced operator safety, full containment, automated studies and more
Production accessories	GMP Package, weight regulation, multi-check connection, external lubrication and more
Power (kW)	2 kW max during operation
Power supply/utilities	400/ 480 V (± 10%) – 50/60 Hz
Weight (kg)	1090 kg (2 403 lbs)

* if other maximum is required please contact us



Layout



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MEDELPHARM SAS

12, rue des Petites Combes, Z.I.
01700 Beynost (Lyon) – France
Phone: +33 478 976 210
contact@medelpharm.com
www.medelpharm.com



STYL'One channel



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