

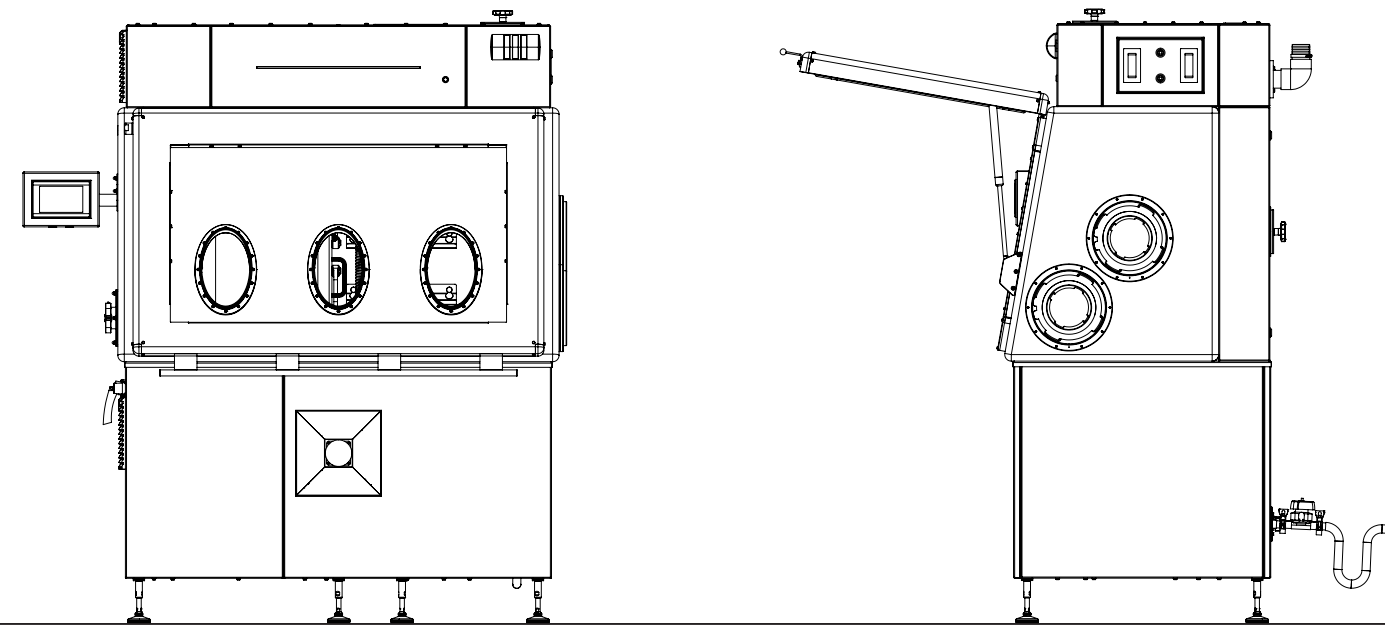
# CONTAINMENT EXECUTIONS

## Maximized Operator Safety with OEB 4/5 Isolator Solutions

Special executions are available to facilitate integration of the STYL'ONE Nano into a downflow booth, including a special door and rotating base. The STYL'ONE Nano WipCon® includes negative pressure monitoring, interlocked doors, and customizable transfer ports such as pass-through boxes, rapid transfer ports, or continuous liners, along with formal SMEPAC testing for containment level certification.

### WipCon® Execution

- OEB 4/5 containment level
- Wash-in-Place containment
- Integration in an isolator
- Cleaning recipe with integrated vacuum cleaner and spraying system
- Large space to integrate a tablet tester or scale



## Focused on Tablets, Driven by Innovation

Specialization makes the difference: For over 100 years, we have focused on what we love and do best: tableting!

Experience is key: Thousands of successfully completed projects form the foundation of the largest and most innovative product portfolio in the industry.

We offer the perfect solution and expertise for a wide range of requirements: from special presses for R&D, to rotary presses for scale-up operations and medium batch production, all the way to high-performance presses for 24/7 operation.

Our tablet presses are successfully in use worldwide every day, supported by a global team of specialists in service, process optimization, and sales.

[www.korsch.com](http://www.korsch.com)

### KORSCH Global Service Network

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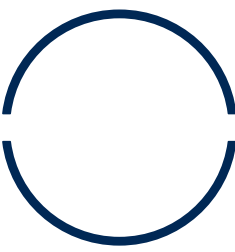
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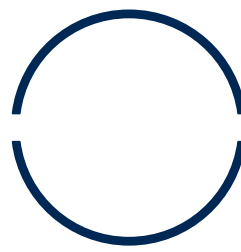
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# STYL'ONE Nano

## BENCHTOP COMPACTION SIMULATOR

### Technical Data STYL'ONE Nano

Description		
Punch Station		1
Tablet Format		Single-layer, mini-tablets, core rod
Tool Type		EU / TSM B+D, EU-1-441 and non-standard
Die Type		BBS, BB, B, D and non-standard
Feeding Mode		Manual, Gravity, Paddle
Max. Production Output	tabs./h	1,500
Max. Tablet Diameter	mm	19 (B), 25 (D) (contact us for larger formats)
Max. Die Filling Height	mm	21 (B), 23 (D)
Upper Punch Insertion Depth	mm	3
Max. Precompression Force	kN	50
Max. Main Compression Force	kN	50
Load Application		Lower punch
Compression Mode		Force or displacement driven
Lower Punch Velocity	mm/s	90
Lower Punch Acceleration	mm/s <sup>2</sup>	8,000
Dwell Time	ms	2 - 3,000
Power Supply Voltage		230 V 1-Phase 50/60 Hz 220 V 3-Phase 50/60 Hz
Peak Power	W	3,600
Electric Protection	A	16 (Type C)
Fault Current Protection / Leakage current	mA	30
Compressed Air	Bars L/min (nominal)	6 10
Weight	kg	255

Technical modifications reserved

The technical specifications included in this document represent optimal parameters and are dependent on product quality and machine settings.

# STYL'ONE Nano

The Most Compact and Flexible  
Benchtop Compaction Simulator

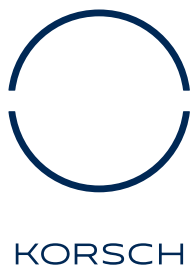
The STYL'ONE Nano is a tabletop compaction simulator designed for in-depth material characterization (e.g. API, excipients) and single-layer tablet formulation development providing data-driven insights and deep understanding of powder tableting behavior.



## Versatility

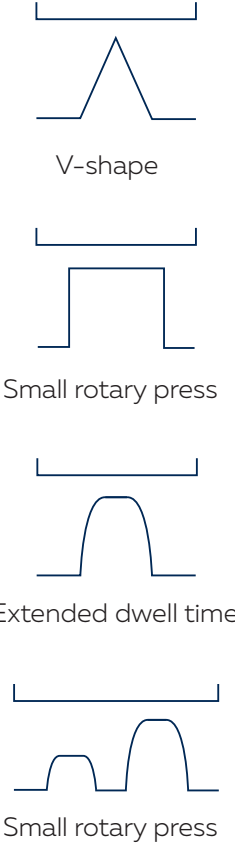
Its powerful drive technology, advanced instrumentation, and intuitive software, typically reserved for the pharmaceutical R&D environments, make it an ideal solution for hospital pharmacies, university practical training, and academic research.

Beyond the supply of state-of-the-art machinery, KORSCH's global Innovation Center network of scientists and process experts provides continuous training and consultancy to help you maximize the performance and value of your equipment.



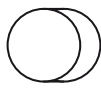
# FLEXIBLE COMPRESSION PROFILES

Innovative Drive  
Technology



Thanks to ITS powerful lower punch drive system and advanced instrumentation, the STYL'ONE Nano PRECISELY controls punch displacement, enabling the execution of a wide range of compression cycles, including V-Shape, extended dwell-time, and generic small rotary press profiles with pre- and main compression.

Each process parameter – such as compression speed, dosage height, and precompression ration – is independently defined within a recipe via an intuitive software interface.



# POWERFUL DATA ACQUISITION SYSTEM

Invaluable Data  
Collection

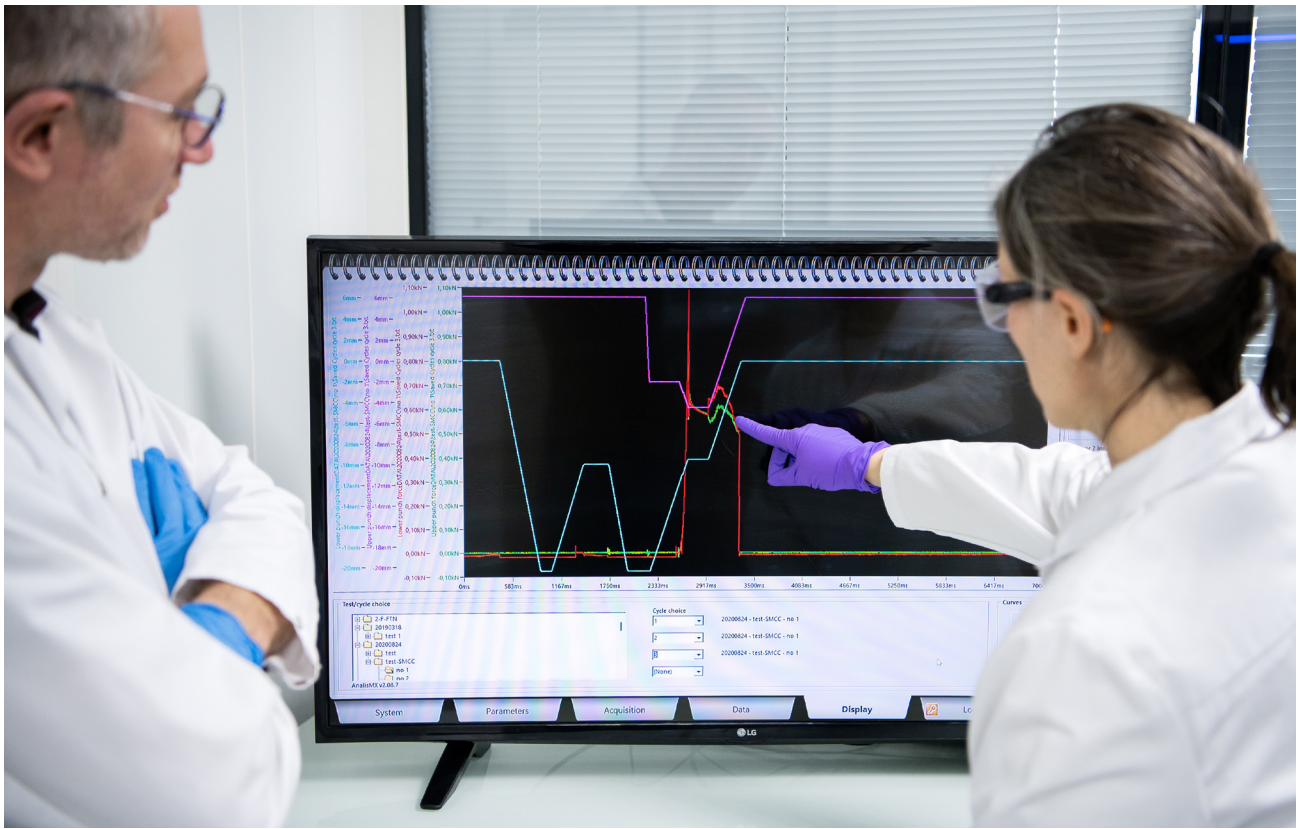


The STYL'ONE Nano is equipped with a powerful data acquisition system capable of recording multiple signals from both upper and lower punches, including pre- and main compression forces, punch displacement, and ejection force. In addition, the instrumented die captures maximum and residual die wall pressures, enhancing material characterization and formulation understanding.

External devices such as tablet testers or scales can be connected to automatically collect additional data – including hardness, weight, and dimensions – supporting comprehensive reporting and graphical analysis.

# EFFICIENT DATA ANALYSIS

Decisions Based  
on Data



Data generated by the STYL'ONE Nano is computed and analyzed using proprietary, user-friendly software that simplifies and streamlines data analysis and interpretation.

A comprehensive range of USP<1062> graphs – including manufacturability, tabletability, compressibility, and compactibility – enables straightforward comparison of different products and processes. More in-depth analysis through customized plots allows detailed evaluation of parameters such as compaction energy, porosity, ejection stress, elastic recovery, and more (e.g. Heckel analysis).

Both raw and processed data can be exported to customer local networks or cloud environments for modeling purposes and remain easily accessible for remote review via a viewer license.



Easy mounting &  
cleaning



V-Shape & extended  
dwell-time



Pre- & main dwell-time



Target solid fraction



Product & process  
parameters



Pre- & main compression  
force and punch  
displacement



Ejection force & die  
wall pressure



Fast design of  
experiment (DoE)  
execution



Invaluable information  
with minimal material  
quantity



In-depth material  
& formulation  
understanding



Viewer license for  
remote data analysis



R&D reporting