

STYL'One Tableting Instruments, the ultimate Time-Savers in R&D

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The one and only press you will ever need from early formulation characterisation of API to high-speed multilayered formulation scale-up.

01 / What is a tableting instrument?

As the name implies, it is an instrument to make tablets! This word was created to merge all types of existing instruments nowadays used in R&D to develop tablets.

This generic name includes very different press types from the simplest hand press with no instrumentation to the most advanced R&D press like a STYL'One capable of mimicking high speed production presses.

The variety of presses and features is wide so is the price range, however, the basic function is always to make tablets and measure precisely the final tablet in terms of weight, hardness, dissolution etc. to see the impact of your formulation with production in mind.

02 / What is the impact of set-up/dismantle time or change of configuration?

In R&D you are facing frequent changes of set-up with every change of product or tablet property and shape. Consequently setting up time is critical.

Being able to install tooling in just a couple of minutes means that the time gain can be used for example to perform the necessary tests following your protocol.

In some instances you might be comparing the impact of different punch shapes, powder flow of

different small multi-tips or even the impact of different paddle shapes so that the set-up time represents an important factor.

This time-saving also applies if you want to install an instrumented die or a tab-in-tab device. You want to just plug in your device and go ahead making your tablets for analysis.

All these features are strongly supported by the STYL'One family of research presses.

EVEN THOUGH OPERATORS OR DIFFERENT PERSONNEL WITHIN THE R&D DEPARTMENT ARE CAPABLE OF PERFORMING CLEANING, HAVING A SHORT CLEANING TIME IS A CLEAR BENEFIT.

03 / Is cleaning a critical time factor and can your machine switch from R&D to GMP Production?

Even though operators or different personnel within the R&D department are capable of performing cleaning, having a short cleaning time is a clear benefit.

It leaves you with more time to exploit the machine for your original usage which is research and fast development.

Once your formulation scientists have understood the full extent of the benefits of this tableting instrument, they will realize that there is a lot more time available for their actual research.

From our experience this is why formulators are literally queuing to be able to use our machines.

For example our instrument can simply be wheeled between a GMP and non-GMP zone without additional cleaning time nor new set-up which again provides you with more flexibility and extra time. Consequently you can benefit from an increase in R&D service efficiency.

Another nice feature from our STYL'One family of R&D presses.

04 / How to shorten the time of data acquisition and interpretation of results?

Nowadays instrumentation is commonly supplied with all presses, especially in R&D.

However quality of instrumentation and software varies immensely; sometime software is limited to a crude set of data in a spreadsheet requiring export in another software or multiple calculations before interpretation.

All our presses are fully instrumented with a state of the art software allowing multiple analysis, furthermore, the equipment is able to perform a set of experiments automatically.

You want to evaluate the influence of pre-compression? Create a force hardness profile? The machine automatically scans your experience plan and produces the tablets at your targeted characteristics automatically.

Mimicking roll compaction and creating ribbons can take days; scanning different formulation can take weeks.

The STYL'One allows you to be 10x faster and more efficient in pursuing these studies.

THE STYL'ONE COMES WITH A WIDE RANGE OF ACCESSORIES FOR R&D AS WELL AS FOR PRODUCTION.

05 / How does a wide selection of accessories save time?

Some formulators characterize their API on one equipment and need a second equipment to create small batches. Some options like tab in tab (dry coating) or external stearate are only available in production and could only be mimicked manually in R&D.

Nowadays, with the STYL'One you do not need to change equipment to create a batch of core tablets for dissolution testing or measuring

centering impact on bio-availability. You use the exact same machine for creating a small batch of multilayer tablets for stability testing.

The STYL'One comes with a wide range of accessories for R&D as well as for production.

There is virtually no limit to which research you can perform on one single machine.

06 / Switching to GMP production mode saves time for clinical batches

The goal of all R&D studies is ultimately production!

Being able to produce clinical batches on the same machine as the one used for formulation testing, will also shorten your development time. A full GMP software with all the accessories allows to produce prototypes (tablets) in identical conditions as in production.

The equipment automatically regulates on tablet weight, adjusts fill height, selects and rejects good and bad tablets.

All events are logged: If your machine is on pause because the large funnel is empty and needs a refill, if your operator needs to modify a recipe or a switch of operator becomes necessary, all these events are noted for future audits.

STYL'One ANALIS GMP software regroups all the functions taken from the production software of large rotary presses.

THE ROBUSTNESS OF THE MECHANICAL DESIGN ALSO LIMITS DOWN TIME.

06 / Very High Press availability with limited downtime and maintenance

Complex equipment can require extensive and expensive maintenance. The STYL'One being mechanical, allows your team to perform routine preventive maintenance easily.

The robustness of the mechanical design also limits down time.

Maintenance and calibration visits, even-though they are necessary for

ensuring quality of your research, can be performed rapidly so you are scarcely impacted in your usage of the equipment.

Should a serious problem happen, our partnership with ROMACO KILIAN ensures that a competent network of technicians is available around the world at any time.

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