

Your key to success
KTP 1X

*the all-in-one R&D instrument
to reproduce the characteristics of a rotary tablet press*



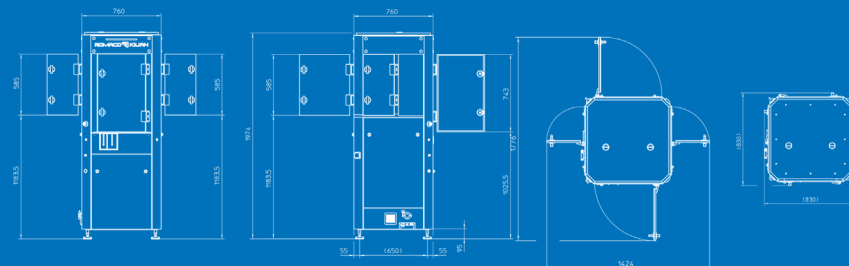


Technical Data	KTP 1X
Tool type	EU/TSM-B or D, specific*
Die	BBS, BB, B, D, oversized*
Maximum tablet diameter, in mm	40
Maximum die filling, in mm	50
Fill shoes (up to 3)	Hand feed, gravity, paddle force feeder, core feeder
Dwell time, in ms	< 2 ms can be extended up to > 3 s
Compression mode	Force or displacement driven
Penetration depth	Adjustable from 1 mm to 10 mm
Maximum tamping-, pre- and main compression, in kN	50, 80*
Punch movement	Selectable 1 punch only or upper + lower
Standard voltage (V), frequency (Hz)	400/480 (+/- 10%), 50/60
Weight, in kg	1300

* Options specific design of tooling and/or tablet press mechanics and electronics

** The output depends on tablet size, compressed material, and compression force

Dimensions



Technical changes reserved

Sustainability – How we help you produce more sustainably.

Romaco is committed to climate-neutral technologies, materials and machines.
How the Kilian KTP 1X “All-in-one R&D instrument” improves your eco-balance:

Many test results with one test series, no starting loss leads to

- Minimum use of product
- High energy efficiency

Small process area, few product contact parts, easy cleaning surface geometry for:

- Little water required
- 100% climate neutral: certificated calculation of the carbon footprint for manufacturing the KTP 1X; calculated emission values offset by sponsoring a climate protection project



Global Service

Through our network of local contacts, we are close at hand whenever you need us.

Call 4 Service and Remote Assist are our climate-friendly alternative to long-distance travel.



Romaco supports the whole R&D process with equipment from Kilian, Innojet and Tecpharm



KTP 180X

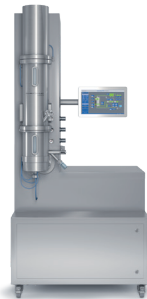
Small mono-layer rotary press for development and small scale production



Multipurpose Lab Unit
Use different technologies to obtain best products



**Most efficient
fluid bed technology**



**Lab Scale
High Shear
Mixer Granulator**



**Lab
Tablet Coater**
Laboratory Production



Romaco Kilian KTP 1X

Single stroke, high speed R&D tablet press – The extension of the KTP-series into the lab.

Versatile – fast – clean — at all phases of tableting development:

- Determination of the parameters
- Production of small batches
- Realistic scale-up
- Production support by error analysis & optimisation



Efficient

Your key to a versatile and more efficient development

- Mono layer and multilayer development
- Up to ø 40 mm and 15 mm tablet thickness

Available with:

- Physical compression simulation of all Kilian presses and other common tablet presses
- Recipe analysis and production optimisation
- Tab in tab application
- High containment version



Accuracy and Automation

Your key to highest accuracy and automated development with high speed

- Up to 80 kN compression force (tamping-, pre- and main pressure)
- Highest accuracy and repeatability of compression force and punch distance measurement
- Automated trials



Expertise

Your key to over 100 years Kilian tableting expertise

- Worldwide support from our Romaco Sales & Service Centers and dedicated agent network
- KTP design for ease of cleaning and robustness
- KTP's HMI operator philosophy for ease of usage
- Connect to our KiTech laboratory with experience, competence, analytics and creativity
- CO2 compensated