



Versatile, fast, clean R&D

KTP 1X

Powerful and high-precision all-in-one R&D compaction simulator for tablet development as well as for simulations of the characteristics of any rotary tablet press.

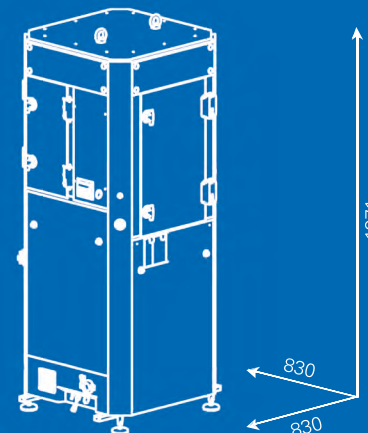


Technical Data	KTP 1X				
Tool type	B	B	B	D	441
Die	BBS	BB	B	D	D
Maximum die filling, in mm	15	15	15	20	20
Maximum tablet diameter, in mm	11	13	16	24	24
Fill shoes (up to 3)	Hand feed, gravity, paddle force feeder, core feeder				
Dwell time, in ms	< 2 ms can be extended up to > 3 s				
Compression mode	Force or displacement driven				
Penetration depth	Adjustable from 1 mm to 10 mm				
Maximum tamping-, pre- and main compression, in kN	30, 50, 80*				
Punch movement	Selectable 1 punch only or upper + lower				
Standard voltage (V), frequency (Hz)	360 - 500, 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



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 compaction simulator” 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



ROMACO
Sustainability Enabler

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.



Also in our portfolio

Romaco Kilian KTP 180X Prime rotary tablet press

Single-sided rotary tablet press for pharmaceutical mono-layer applications – from R&D through clinical batches to small scale production.

Maximum output: 79,800 tablets/hour



Romaco Kilian KTP 1X single stroke tablet press

The KTP 1X is a single stroke, high speed R&D compaction simulator for versatile, fast and clean tableting in all phases of tablet development. Determination of parameters - production of small batches - realistic scale-up - production support by error analysis & optimization

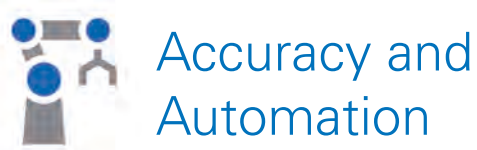


Your key to a versatile and more efficient development

- Mono-layer and multi-layer development
- Up to \varnothing 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 optimization
- Tab in tab application



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



Your key to 150 years Kilian tableting expertise

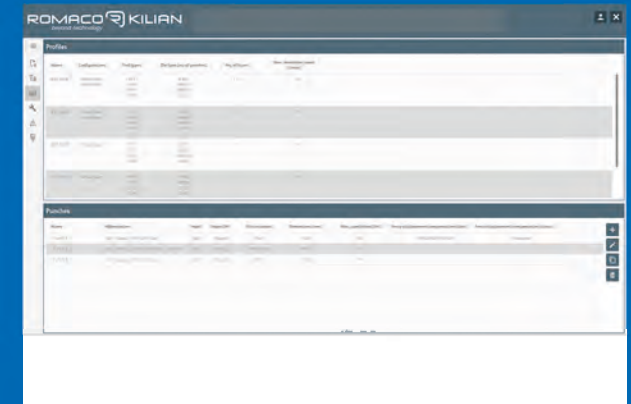
- Worldwide support from our Romaco Sales & Service Centers and dedicated agent network
- KTP design for ease of cleaning and robustness
- KTP's HMI operator philosophy for ease of usage
- CO₂ compensated



Automated trials



Powder analysis / production optimization



Realistic scale-up