

KTP 1X

Your key to success – the all-in-one R&D instrument
to reproduce the characteristics of a rotary tablet press



KTP 1X – Your key for success

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

versatile – fast – clean

Your key to a versatile and more efficient development

- Mono layer and multilayer development
 - Up to ø 40 mm and 15 mm tablet thicknessAvailable with:
 - Tab in tab application
 - High containment version
- Physical compression simulation of all Kilian presses and other common tablet presses
- Recipe analysis and production optimisation

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 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 over 100 years tableting expertise
- CO2 compensated

Romaco Kilian
Scarletallee 11
50735 Köln, Germany
www.romaco.com

T +49 221 7174 100
F +49 221 7174 110
E kilian@romaco.com



Technical Data

KTP 1X

Tool type	EU/TSM-B or D, specific*
Die	BBS, BB, B, D, oversized*
Maximum tablet diameter (mm)	40
Maximum die filling (mm)	50
Maximum output (tablets/hour)**	1800 (mono layer)
Fill shoes (up to 3)	Hand feed, gravity, paddle force feeder, core feeder
Dwell time (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 (kN)	50, 80*
Punch movement	Selectable 1 punch only or upper + lower
Standard voltage (V); frequency (Hz)	400/480 (+/- 10%); 50/60
Weight (kg)	1100

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

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

