

KTP 590X cool - fast - clean
... and versatile like no other

The KTP 590X is a single sided, versatile, high speed tableting machine. Optimised for fast change over between bi- and mono-layer tablet mode and for high speed effervescent tablet production. The machine can be equipped with up to 3 sets of compression rollers for best performance, even for mono-layer application.

It is available in the following configurations:

- Mono- & bi-layer tablet production
- Bi-layer production
- Mono-layer production

Cool

- Effective cooling of the process area to below 30 °C – ideal for processing temperature sensitive formulations such as Ibuprofen
- Special compression rollers, bolts and bearings ensure lowest possible friction
- Efficient cooling of the torque drive and the V-ring seal (for the die table)

Fast

- Up to 510,000 tabs/h as mono machine
- Up to 510,000 tabs/h also as bi-layer machine
- Excellent performance with challenging high volume products such as Metformin and Amlodipin
- No conversion of compression stations required for changing the machine configuration
- Quick product and format changes: tablet chute and fill shoe can be swung out – no tedious readjustments
- Few product contact parts: minimal cleaning effort
- 2 full size fill shoes

Clean

- Optimal hygienic design
- Hermetical separation between compaction and service area
- Patented closed punch bellows to prevent tablet contamination



Technical Data

KTP 590X

Machine configurations	Mono-layer; Bi-layer; Mono- & bi-layer					
Number of press stations	71	64	54	44	44	33
Tool type* (EU and TSM)	B	B	B	D	KILIAN 28/41	KILIAN 35/45
Die type	BBS	BB	B	D	D	KILIAN 52/30
Maximum tablet diameter (mm)	11	13	16	25	27	34
Maximum output** (tablets/hour)	511,200	460,800	388,800	290,400	290,400	118,800
Maximum die filling (mm)	18			20		
Maximum tamping compression force (kN)	25					
Maximum pre-compression force (kN)	100***					
Maximum main compression force (kN)	100***					
Maximum power consumption (kW)	38					
Standard voltage (V), frequency (Hz)	400, 50/60					
Compressed air (bar)	6					
Weight (kg)	4,950					

* Special tools/formats available on request

** The output depends on tablet size and compressed material

*** Maximum punch load dependant on tablet design

Dimensions



