

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



