



Precise, fast tableting

SYNTHESIS 500 TT/TTH

Fastest and most accurate rotary tablet press for tab-in-tab production and dry-coating.

Technical Data

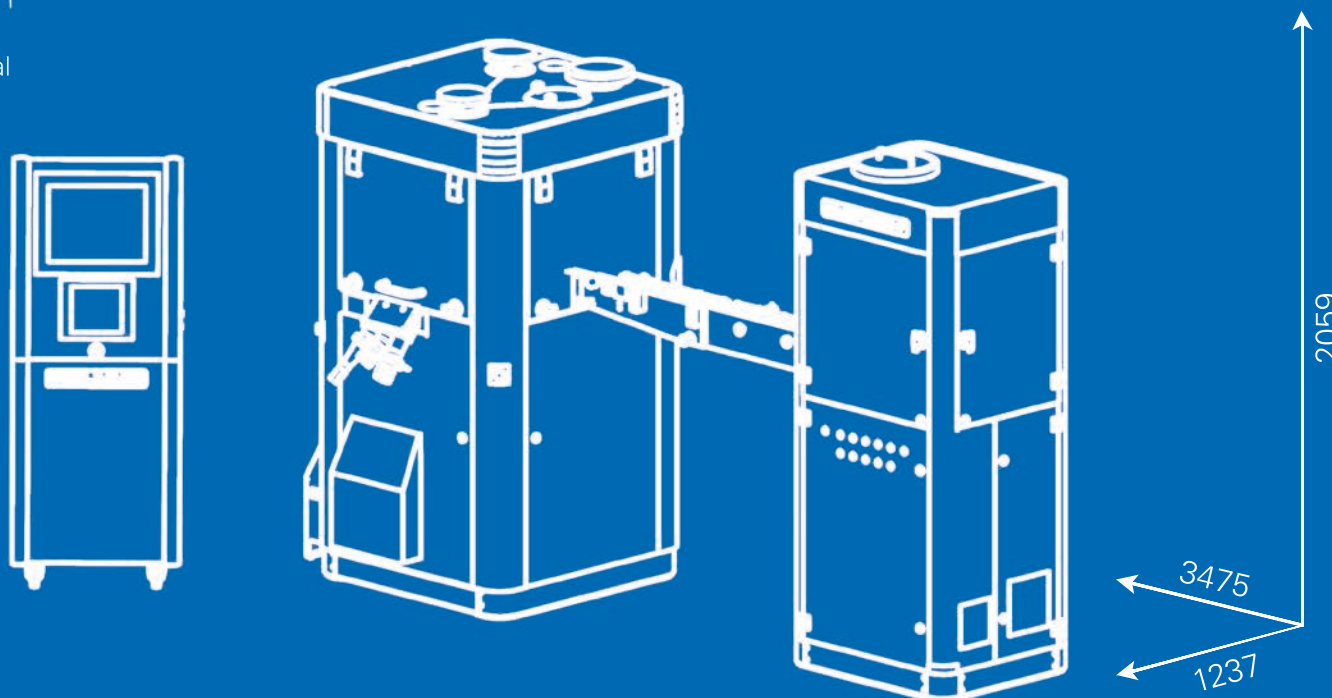
	SYNTHESIS 500TT/TTH			
Number of press stations	50	45	35	30
Tool type* (EU and TSM)	B	B	B	D
Die type	BBS	BB	B	D
Max. die filling (mm)	18	18	18	20
Max. tablet diameter (mm)	11	13	16	24
Max. output Tab-in-Tab** TT version (tablets/hour)	75,000	67,500	52,500	45,000
Max. output Tab-in-Tab** TTH version (tablets/hour)	140,000	126,000	98,000	84,000
Max. output Bi-layer** (tablets/hour)	180,000	162,000	133,000	99,000
Max. output Mono-layer** (tablets/hour)	360,000	324,000	266,000	198,000
Max. compression force 1st layer*** (kN)	10			
Max. compression force 2nd layer*** (kN)	80		100	
Standard voltage (V), Frequency (Hz)	400, 50/60			
Compressed air (bar)	6			
Weight (kg)	3,580			

Technical changes reserved

* Special tools/formats available on request

** The output depends on tablet size and compressed material

*** Maximum punch load dependant on tablet design



Sustainability - How we help you produce more sustainably

Romaco is committed to climate-neutral technologies, materials and machines.
How the Kilian SYNTHESIS 500TT/TTH rotary tablet press improves your eco-balance.

- 100% climate-neutral: certified calculation of the carbon footprint for manufacturing the SYNTHESIS 500TT/TTH
- Reduced number of product contact parts reduces cleaning efforts and saves water



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 1X R&D tablet press

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. Get a view inside your tableting process.



Romaco Kilian SYNTHESIS 500TT/TTH rotary tablet press

The SYNTHESIS 500TT/TTH is available with 30 to 50 press stations designed for up to 140,000 tab-in-tab tablets/hour. It comes with a hygienic design and is equipped with high-end components for reduced wear part usage and maintenance requirements as well as for longer production intervals.



Precise production

- Camera system for easy set-up and core position control
- Separate monitor for core position details
- Core distributor for core separation
- Core feeder with conveyor belt
- Only one tablet scraper with one central fix point for all formats



Fast cleaning and changeover

- Hygienic design
- Only few product contact parts
- Double bladed product scrapers with magnets for minimised product loss
- Hermetical separation between processing and maintenance area
- Exchangable die table – all needed parts integrated in the machine
- Simple, tool-less handling



Proven Kilian Quality

- Fill shoe without gear causes no heating up and easy cleaning
- Unique brake magnets for very low relative standard deviation
- Self-optimizing controller



Conveyor belt for core distributor with sliding mechanism for better access



Camera and HMI with separate monitor for core position details



Dust-tight tablet chute mounted on swivel arm