



# SYNTHESIS 500 TT/TTH

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

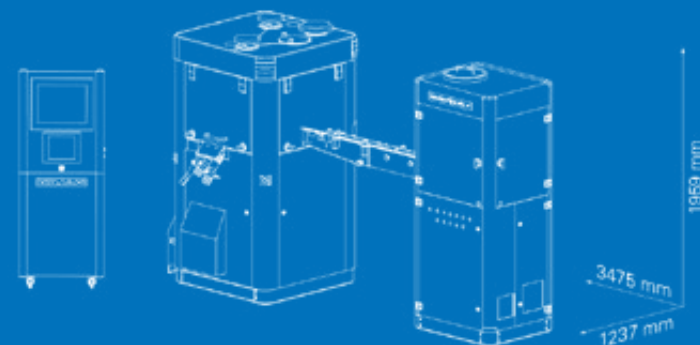


Technical Data	SYNTHESIS 500 TT/TTH			
Number of press station	30	35	45	50
Tool type* (EU and TSM)	D	B		
Die type	D	B	BB	BBS
Maximum tablet diameter (mm)	24	16	13	11
Maximum output TT Version** (tablets/hour)	45,000	52,500	67,500	75,000
Maximum output TTH Version** (tablets/hour)	84,000	98,000	126,000	140,000
Maximum die filling first layer (mm)	20	18		
Maximum punch penetration second layer (mm)	9			
Maximum compression force first layer (kN)	10			
Maximum compression force second layer*** (kN)	100	80		
Standard voltage (V), frequency (Hz)	400,50/60			
Compressed air (bar)	6			
Weight (kg)	3,580			

\* Special tools/formats available on request

\*\* The output depends on tablet size and compressed material

\*\*\* Maximum punch load depends on tablet design



Technical changes reserved

## Applications

The Romaco Kilian SYNTHESIS 500 TT/TTH is the fastest and most accurate rotary tablet press for tab-in-tab production and dry-coating.

Which is your application? Our KiTech will be delighted to test your product.



## Romaco Service

Our qualified Romaco Service is globally available for you.

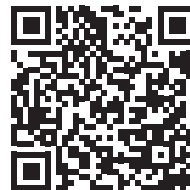
E.g. with our Ramp-up-Support, to exploit the available production capacity of your equipment right from the beginning to its full extend.



Also in our portfolio

### **Romaco Kilian KTP 1X single stroke tablet press**

For determination of tab-in-tab tablet design suitability also check out the R&D instrument KTP 1X



[Watch Video](#)



[Virtual Showroom](#)

# Romaco Kilian SYNTHESIS 500 TT/TTH

The Romaco Kilian SYNTHESIS 500 TT/TTH is available with 30 to 50 press stations designed for up to 140,000 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
- Dust tight tablet chute on a swivel arm
- Simple, tool-less handling



## Proven Kilian quality

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



Conveyor belt into core distributor with sliding mechanism for maintenance and better access.



Camera and HMI with separate monitor for core position details.



Dust-tight tablet chute mounted on swivel arm.