

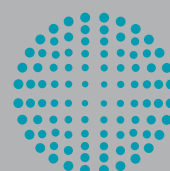
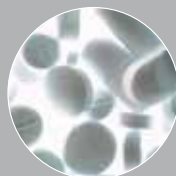
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Up to 40 % increased yield

SEGMENTS

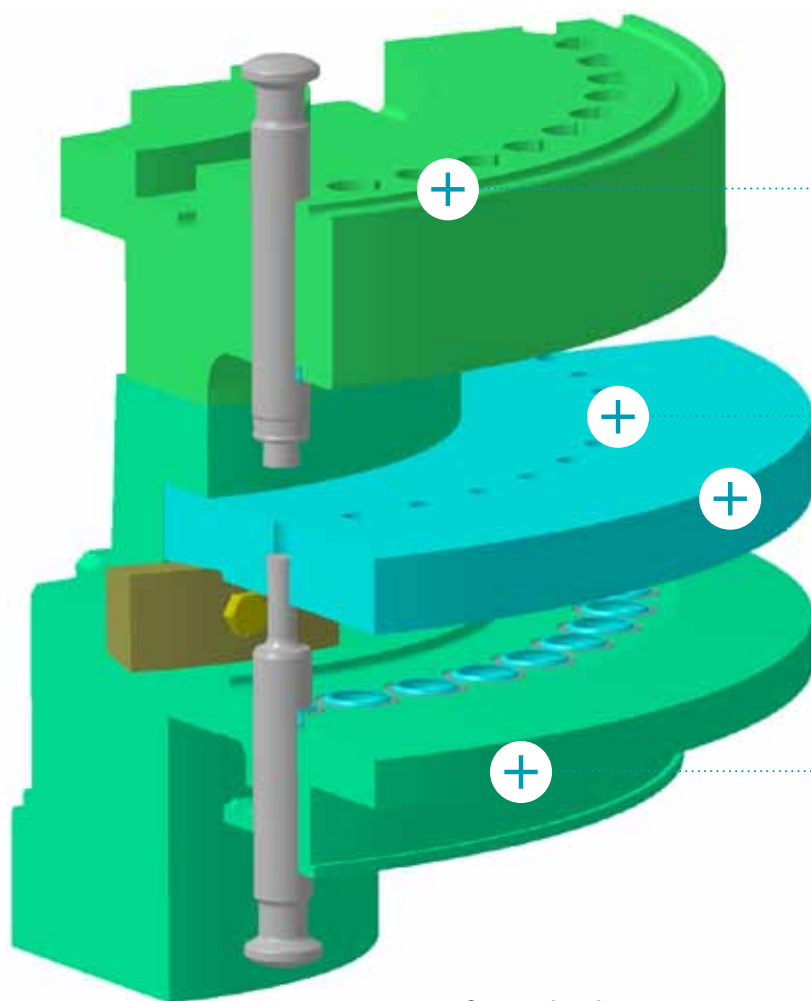
www.fette-compacting.com



**FETTE
COMPACTING**
be efficient



New segment technology brings powerful performance potentials



Innovative technology:

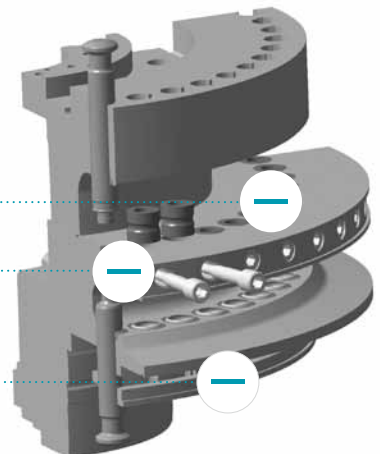
Segments make room for more punch stations

- + The function and dimension of the turret remains unchanged
- + Rotor turns at the same speed as before
- + Holes are made directly in the segment
- + The pitch of the die table corresponds to the pitch cylinder diameter 3, 5 or 7-fold.
102i, 1200i, 2200, 2090i: 3 Segments
3200, 3090i: 5 Segments
4090i: 7 Segments
- + Filling behavior identical to that with dies

Conventional turret:

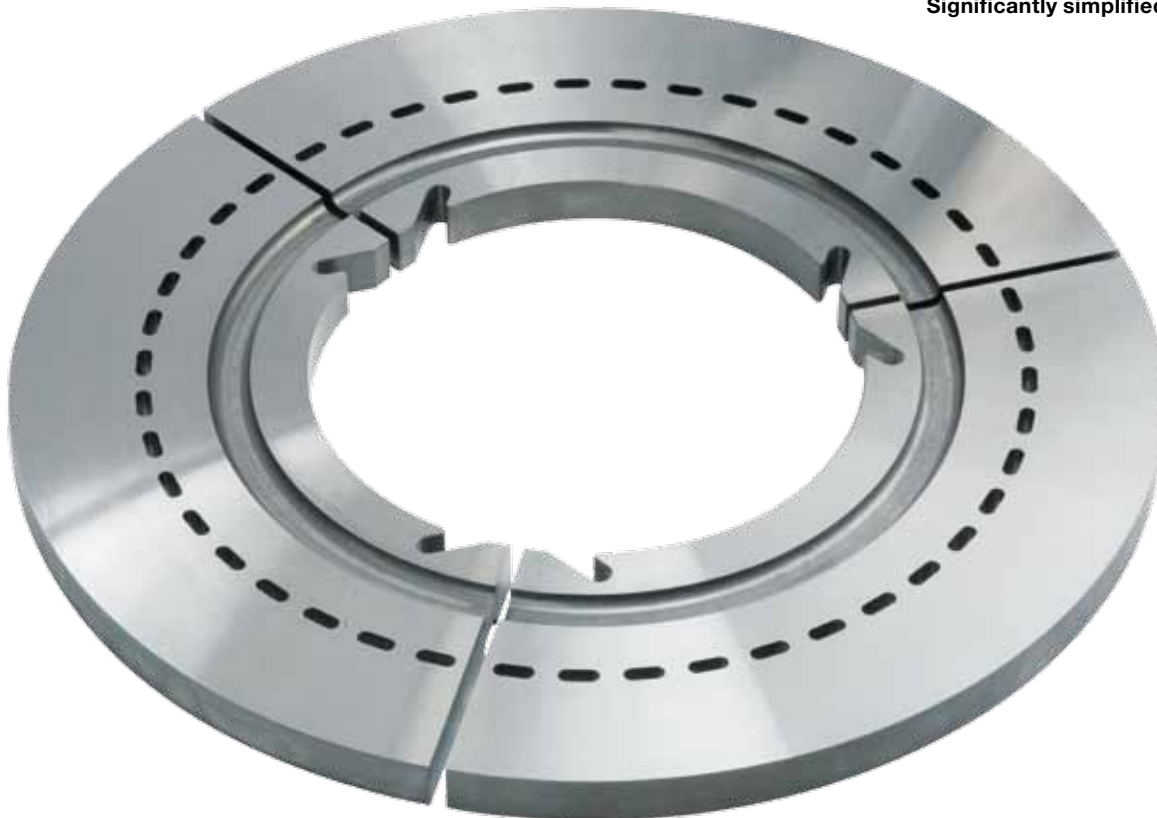
Die table with individual dies and bolts

- Walls for holding the dies are not required
- No separate dies
- No die bolts or bolt holes



Fundamental simplification of tablet production

Up to 40% greater yield
Enormously shortened fitting time
Significantly simplified cleaning



| FEATURES | BENEFITS |
|--|---|
| + No more individual dies | + Significantly shortened fitting times |
| + No more die bolts and threaded holes | + Greatly improved cleaning |
| + Fewer joints | + Sharply reduced product loss |
| + More stations in each pitch circle | + Calculable increase in yield |
| + Special, high-alloy steel | + Notably extended service life |
| + Punches arranged tangentially or at a 30° angle --> Existing sets of punches can continue in use | |



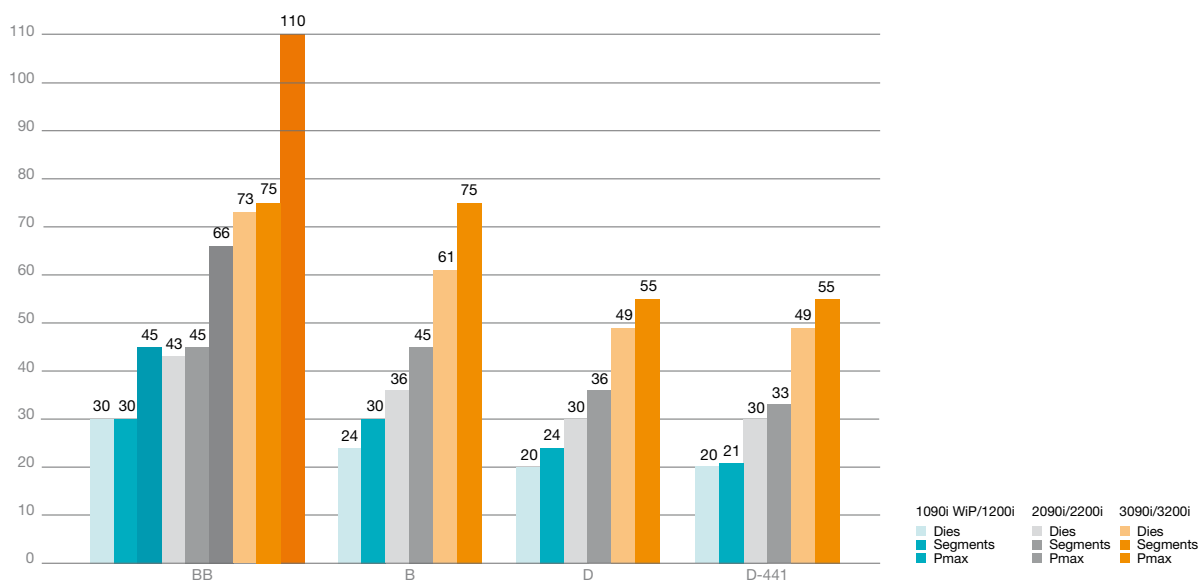
Enormous increase in yield with greatly reduced product loss

**Product loss reduced by more than 50 %,
depending on properties of the product**

- + The structure of the die table is altogether simpler
- + Die table segment surfaces are smooth
- + No gaps between die table and dies
- + Scraper slides over flatter surfaces



**Marked increase in yield through
an increase in the number of stations**



Significantly faster product changeover

Shortened fitting times:

Up to 88% time saved per refit

- + Only 9 manual operations instead of the usual 72
Taking the 2090i as an example: Undo and remove 36 bolts, remove 36 dies — 72 parts altogether
Now: Undo 6 chucking wedges and 6 bolts, remove 3 die table segments
- + Similar figures apply to refitting
- + Checking for faulty running not required
- + Time-consuming adjustment of dies to punches for special format tablets no longer required
- + Extremely precise dimensions ensure simple assembly
- + Positions of the individual segments on the ring can be freely swapped



Remove punch



Undo chucking wedge



Remove segment

Shortened cleaning time:

- + Fewer parts, reduced cleaning work
- + No gaps between die table and dies
- + No die holes
- + No die bolt holes
- + Surfaces requiring cleaning significantly reduced
- + Cleaning work is significantly easier



No die bolts or dies

Greater profitability for the entire range of products

Less wear with segments

- + More durable material reduces wear
- + Segments – like dies – can be used on both sides to extend service life
- + Segments countersunk on both sides

Increased profitability

Profitability on small batches thanks to:

- + Short fitting times
- + Short cleaning times
- + Minimized loss of product
- + Less logistic expense

Profitability on large batches thanks to:

- + Higher yield.
- + Technology with long-term reliability
- + Less wear
- + High economic performance, particularly in contract production
- + Fast amortization over a very short period
- + No complications when used for many years

Full product spectrum

- + For all diameters up to 25 mm
- + For all tablet sizes
- + Multi-Tip can be used
- + Use of Pmax turret with FS12 punches increases the yield by another 40 %



Pmax turret with 66 stations for the 2090i



Multiple punches

Simplified structure, usable on all presses

Reduced ejection force

- + Significant reduction in wall friction during tablet ejection due to particularly hard die wall with extremely smooth surface
- + Reduced wall friction reduces the loss of tablet hardness
- + Lower pressing forces are required
- + Segments have a longer service life due to reduced stresses

Easy retrofitting to Fette Compacting presses

Complete retrofitting set consisting of:

- + Segment turret
- + Set of segments matching the pitch circle and the tablet shape
- + Set of chucking wedges and fixing bolts for the segments
- + Configuration disc for changing the number of stations
- + All other press elements are retained
- + Filling and scraping equipment is unchanged
- + Punches are retained
- + Former generations of press are supported: Compatible with the PT and P generations
- + Available in VA for WiP presses

Greatly simplified logistics

- + Only 9 parts in kept in stock instead of perhaps 72
- + Greatly simplified inventory maintenance
- + Radically reduced maintenance effort
- + Highly simplified ordering and inspection system
- + Reduced space demand
- + BBS, BB, B and D: maximum yield can be achieved with all four formats by changing segments, requiring no more than two segment rotor versions

