

TPR Tablet Presses for the Nutrition and Health Product Industry.

CHALLENGES IN NUTRACEUTICAL PRODUCTION .

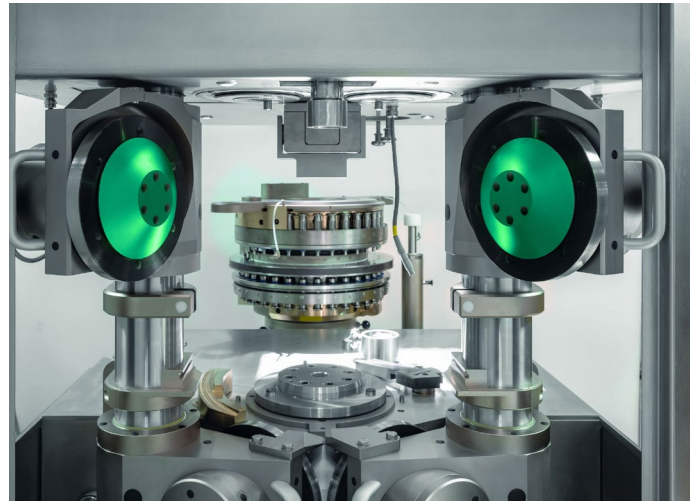
With the desire to live a healthy and balanced life, nutraceuticals are gaining popularity amongst consumers worldwide. This explosive growth has required companies to demand the most from their supplier. Syntegon continues to support these demands offering over 70 years of industry expertise and superior proprietary technologies to the vitamin, herbal medicinal, dietary supplement, pre- and probiotic product market. This refers to both process support as well as production equipment.

Challenging product characteristics

Operators of tablet machines often have to deal with poor flowing products when processing consumer healthcare products (e.g. because of challenging compaction profile & stickiness). Understanding the technical capabilities of product influencing components, operator comprehension of the compression process and creating a robust formulation are all key factors to achieve a high quality production product.

Powder feeding systems - key for successful tableting

The three-paddle feeder of the Syntegon TPR tablet press supports the proper die filling process due its three level design and elongated infeed length. This allows the operator to keep the feeder speed low, which reduces the risk of segregation and over blending. The standard two-paddle feeder design is also retrofittable and offers additional flexibility for challenging products. A choice of rectangular or round paddle blades, as well as a simple and repeatable feeder set-up help increase the range of materials to be compressed.



Your benefits

- All tablet dimensions up to 25 mm
- Overall robustness of TPR due to machine frame design
- Feeder design (3 paddle feeder) for better product handling and infeed of challenging products
- Easy change over
- Turret exchange for switch to various different formulations and tablet designs
- High compression forces up to 100 KN (pre- and main compaction)
- Designed for effective cleaning



TPR 200: SINGLE OR BILAYER, R&D

Technical Specifications

- ❑ PCD 280mm
- ❑ Output up to 230 000 tph
- ❑ Standard drive system
- ❑ Modular two or three paddle feeder (drive options)
- ❑ Interchangeable paddles
- ❑ Single or bilayer option
- ❑ R&D configuration
- ❑ Common control platform 21" HMI
- ❑ Integrated die plate
- ❑ Removable turret
- ❑ Hygienic design

Pilot

Low to medium volume



TPR 500: SINGLE LAYER

Technical Specifications

- ❑ PCD 470mm
- ❑ Output up to 403 000 tph
- ❑ Torque drive
- ❑ Modular two or three paddle feeder
- ❑ Interchangeable paddles
- ❑ Ext. Filling length & drive options
- ❑ Common control platform 21" HMI
- ❑ Integrated die plate
- ❑ Removable turret
- ❑ True-Flow tablet chute
- ❑ Hygienic design
- ❑ Robust "Force Frame" construction

Low to medium volume

TPR 700: SINGLE OR BILAYER

Technical Specifications

- ❑ PCD 690mm
- ❑ Output up to 1 008 999 tph
- ❑ Torque drive
- ❑ Modular two or three paddle feeder
- ❑ Interchangeable paddles
- ❑ Double sided
- ❑ Single or bilayer option
- ❑ Common control platform 21" HMI
- ❑ Removable turret
- ❑ True-Flow tablet chute
- ❑ Hygienic design

Medium to high volume



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