P2020 – Design and Use

Modular machine construction

+ Maximum operating security
+ Maximum working safety
+ Enclosed compression compartment (reduces noise/dust)
+ Extended maintenance intervals
+ Modular design with separation into 4 sections:
  – head section
  – compression area
  – middle area
  – drive area
+ Quick-connect for easy disassembly of components

Easy machine operation

+ 15” Touch screen control
+ VME-BUS control
+ Screen-guided operation
+ Structured diagnostic messages for troubleshooting
+ All production-relevant data is permanently available
+ 9 different user security levels available
+ Windows XP© operating system
+ Chinese / English / German operating language
Production concentrated on fundamental economic principles, where complex technology is unnecessary, is the focus of an increasing number of products and manufacturing situations. Such conditions require – and allow – production machines to be completely cost-oriented.

The P2020 is a direct implementation of this approach. At Fette Compacting we have been ruthless in designing a tablet press which satisfies one point: 100% economic viability. In spite of this basic requirement, it is Fette Compacting’s goal to maintain our unmatched standards for productivity, precision and operating security – in short, reliability.

### FEATURES
- **VME-bus controlled, user-friendly, high-performance rotary press**
- **Exchangeable turrets**
- **Productive, precise, safe and robust**
- **Pressure and filling depth adjusted by servo motor**
- **Wide range of accessories and peripherals**
- **Perfect overall design of machine and terminal**
- **High-quality standard Fette Compacting components**

### BENEFITS
- **Excellent price/performance ratio**
- **Rapid format changeover results in high annual yields**
- **Continuous use**
- **Outstanding format and production flexibility**
- **Can be adapted for a wide range of production requirements**
- **Easy to handle and operate**
- **Conform to GMP and FDA**
**Exchangeable turret**

+ Reduction of down-time through use of an extra turret, complete with cams and tools
+ Increased annual yield through optimization of the interchangeable turrets
+ Design-patented turrets can be interchanged with cams and tools
+ Machines readily available
+ Quick adjustment to highly varied production conditions
+ 6 different types of turrets can be chosen

**FILL-O-MATIC – Unique three-chamber filling system**

+ Exchangeable filling, dosing and metering wheels
+ Metering wheels can increase powder flowability and uniform density
+ Filling wheels and dosing wheels can precisely fill and dose powder
+ Controlled by VME-BUS, servo motor can adjust filling depth
+ For products with poor flowability and Chinese traditional medicine, round rod wheels can be ordered as options
Optional accessories and peripheral devices

PKB-II

+ Volume and gravimeter system
+ Suitable for many effervescent tablet and sticky tablet production
+ 2 kind of models: gravimetric or volumetric
+ Manual operation or machine available
+ Suitable for all rotary presses

Handling system
Econo flex
Gratex
Weightmaster 4.1
Space requirements – P2020
Technical Data – P2020

<table>
<thead>
<tr>
<th>NUMBER OF PUNCH STATIONS</th>
<th>47</th>
<th>43</th>
<th>36</th>
<th>30</th>
<th>30</th>
<th>27</th>
<th>22</th>
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<tbody>
<tr>
<td>Punch type</td>
<td>EU 19</td>
<td>EU 19 (TSM 19)</td>
<td>EU 19 (TSM 19)</td>
<td>EU 1&quot; (TSM 1&quot;)</td>
<td>EU 1&quot;-441</td>
<td>EU 1&quot;-441</td>
<td>EU 35</td>
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<td>Tablet output/h</td>
<td>min.</td>
<td>42,300</td>
<td>38,700</td>
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<td>max.</td>
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<td>296,700</td>
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<td>180,000</td>
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<td>Max. compression force</td>
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<tr>
<td>Max. pre-compr. force</td>
<td>kN</td>
<td>100*</td>
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<td>Max. tablet diameter</td>
<td>mm</td>
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<td>13</td>
<td>16</td>
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<td>Max. filling depth</td>
<td>mm</td>
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<td>Max. tablet thickness</td>
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<tr>
<td>Punch length</td>
<td>mm</td>
<td>133.6 (133.35)</td>
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<tr>
<td>Weights</td>
<td>kg</td>
<td>Tablet press approx. 3600 kg - Operator terminal 80 kg</td>
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<td>Power supply data</td>
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<td>Operating voltage 220 – 500 V, 50/60 Hz, total fusing 30 A/6 mm²</td>
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<td>Power consumption 13 kW</td>
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* Tools only permit up to 70 kN. If tools are large and filling depths are high, the machine can not be run at its highest capacity.

Due to technological advances we reserve the right of alteration.