RELENTLESS STRONG PICK-AND-PLACE
Strong, Flexible, Adaptive & Modular

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RELENTLESS PLACING AND DISPENSING


combined process
- Highspeed Placement and Jet-Dispensing
- 2 or 4 placement axes and 1-2 dispense processes

dumpacity:
- Optimum 18'100 cph, up to 54'300 cph inline
- Optimum 145'000 dots/h (with Piezo Jet Valve)

small footprint:
- Up to 280 Feeder on 2 m² (up to 420 inline)
- PCB size 560 x 610 mm, optional 1'800 x 610 mm

mineral cast chassis:
- No vibration, symmetrical mineral casting
- No warpage, no thermal drift

quick changeover:
- Nonstop production, Smart electronic feeder
- Nonstop feeder and production changeover

linear motors:
- Fast, reliable double drive linear motors
- No maintenance, longest lifetime

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EXPANSION IN ANY DIRECTION.
VERSATILE FROM PROTOTYPING TO HIGH SPEED PRODUCTION.

MULTITALENT SOFTWARE AT YOUR FINGERTIPS
State of the art, full graphics, 21.5”, 16:9 HD wide touch screen, Windows 10 – 64 bit, fingertip operation, universal CAD conversion, zoom at camera windows, all-in-one job planning, setup optimisation, stock management, ERP/MES connection, data analysis, line management and more.

Laser Height Measurement
Compensation of PCB warpage

Dispensing and Jetting
Vacuum cleaning station for nozzles and tips

Tray Slider
Unique system to increase the amount of trays

Increase Boardsize
Table extension to increase the processable board size

Additional: Electrical component test system, vision box to increase component size to be placed, reel-to-reel, bulk components and more
Wildlife consistently shows us with breathtaking flexibility how nature can adapt itself to the many different demands of its environment; that is what inspires us! Essemtec AG is a privately owned company with its development and production site in Switzerland. The product portfolio comprises of production equipment for electronic assembly and more. Our high tech solutions can be adjusted quickly and easily to meet wide ranging requirements; we are therefore able to respond to all manner of customer requests. That’s why "naturally adaptive" is our motto across all ranges.

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FLEXIBLE SMT SOLUTIONS

CHOOSE YOUR PREFERENCES

<table>
<thead>
<tr>
<th></th>
<th>puma</th>
<th>puma²</th>
<th>puma⁺</th>
</tr>
</thead>
<tbody>
<tr>
<td>Productivity</td>
<td>Optimum placement speed</td>
<td>6'700 cph (1-axis)</td>
<td>11'200 cph (2-axes)</td>
</tr>
<tr>
<td></td>
<td>Optimum jetting speed</td>
<td>up to 145'000 dots/h</td>
<td></td>
</tr>
<tr>
<td>Feeder</td>
<td>Feeder capacity 8 mm tape</td>
<td>260 (140 inline)</td>
<td>260 (140 inline)</td>
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<tr>
<td>Components</td>
<td>Component size range</td>
<td>01005 - 33 x 80 mm, optional 80 x 80 mm</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>Placement accuracy (x, y)</td>
<td>50 μm @ 3σ</td>
<td></td>
</tr>
<tr>
<td>PCB</td>
<td>Max. PCB dimensions</td>
<td>560 x 610 mm (22 x 24&quot;), optional 1'800 x 610 mm (71 x 24&quot;)</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>Machine footprint</td>
<td>1'557 x 1'357 mm (61 x 53&quot;)</td>
<td></td>
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</tbody>
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