

## Clickquick Verkaufsartikel



### Forming & Testing System basicmachine Clickquick 30 [CQ30]

Item 18876

Automated system for forming and testing bimetal-snap-action-discs

- Automatic unwinding of the bimetal strip
- Forming – pre-aging – measuring – selection
- Adaptive control loop for the forming process
- Forming insert easy to convert (modular design)
- Complete functionality and result monitoring (TOS, TUS)
- Connectivity to QS-systems

### Specification

|                          |   |
|--------------------------|---|
| Standard version         | <p>Automatic forming, testing and selection machine with the following components:</p> <ul style="list-style-type: none"> <li>• Unwinding device for coils with pre-punched bimetal strips</li> <li>• Thermostat with temperature control</li> <li>• Holder to mount a retooling set</li> <li>• Forming, ageing, measuring, good and bad part selection</li> <li>• Monitoring TOS / TUS</li> <li>• Indirect measurement of the switching points</li> <li>• Connectivity to QS-systems</li> <li>• Cutter for the strip</li> <li>• without retooling set</li> <li>• without safetyhood</li> </ul>   |
| Options & Accessories    | <ul style="list-style-type: none"> <li>• Automatic readjustment of the embossing parameters</li> <li>• Bin changer (rotary table with several Bins)</li> <li>• Adhesive tape release device</li> <li>• CE-compliant protective cover (protective hood) with locking and monitoring optionally available</li> <li>• On request, the protective hood can be omitted (not CE-compliant!)</li> </ul>  |
| Capacity                 | <p>Up to 4,000* pieces / hour<br/>(= 1.11 pieces / second .. or 0.9 seconds / piece)<br/>*Specification without taking setup times into account.</p>  |
| Process input            | <ul style="list-style-type: none"> <li>• Bimetal strip with pre-punched and re-pressed discs</li> <li>• Bandwidth: max. 33mm</li> <li>• Diameter bimetal disc max. 30mm</li> <li>• Tape wound on coil (with or without paper liner)</li> </ul>  |
| Process flow and details | <p>The bimetal strip with the pre-punched discs is automatically unwound and fed to the forming insert (retooling set for CQ30). In the temperature-controlled forming insert, the pre-punched disks are pressed out of the bimetal strip and formed, aged and then measured in accordance with the parameterization. This is followed by a selection in good and bad parts, which are either collected in bulk in bins or stored in a tube magazine. The excess bimetal strip is cut off and collected in a collecting container.</p> <ul style="list-style-type: none"> <li>• Forming temperature: + 30°C to + 145°C</li> <li>• Reject rate: max. 5%*</li> </ul> <p>*Note: The reject rate depends on the bimetal strip, the upper (TOS) and lower (TUS) snap temperature, the difference between the snap temperatures (TOS-TUS) and the maximum permissible deviation of the snap temperatures.</p> |

|                          |  |
|--------------------------|--|
| Process output           | <ul style="list-style-type: none"> <li>• Bimetall-snap-action-disc</li> <li>• Snap temperatures: -50°C to + 250°C</li> <li>• Accuracy of snap temperatures: +/- 1.5°C to +/- 10°C</li> <li>• Selected in good and bad parts</li> <li>• Bulk material or in magazine</li> </ul>                   |
| Interfaces               | <ul style="list-style-type: none"> <li>• Mains voltage: 3x400V+N+PE, 50 / 60Hz AC</li> <li>• Electrical power: approx. 3.5 kW</li> <li>• Compressed air: 6.5 - 10 bar. 300 liters / minute. Free from oil, water and dust.</li> <li>• Other line voltages and frequencies on request.</li> </ul> |
| Environmental conditions | <ul style="list-style-type: none"> <li>• Industry standard: Indoor.</li> <li>• Temperature: + 18°C to + 30°C</li> <li>• Relative humidity: &lt; 70% non-condensing</li> </ul>  |
| Dimensions and weight    | <ul style="list-style-type: none"> <li>• Automat (Width x High x Depth): approx. 2,300 x 2,300 x 2,100mm</li> <li>• Space requirements (Width x High x Depth): approx. 2,800 x 2,300 x 2,300mm</li> <li>• Net weight: depending on the version: between 500-540kg</li> </ul>                     |

