



**THE
BESTSELLER
IN A NEW
VERSION**

Tablet Checker

KA 280

The Advantages of the KA Series



- reproducible setting
- precise calibration
- validatable process
- low maintenance and comfortable cleaning concept
- versatile integration in the production setup
- capacity: up to 1.000.000 tablets/hour

Bohle Tablet Checker	KA 280
Capacity [tablets/h]	up to 1.000.000
Size (W x L x H)	1200 x 1300 x 1400
Electrical connection	3x 400 V / PE / 50 Hz / 800 W 3x 460 V / GND / 60 Hz / 800 W (altern.)
Protection class	IP 65 (operating elements, front-side)
Height of discharge chute	650 mm
Accuracy	± 0.1 mm for thickness check
Tablet thickness	from 3 mm to 9 mm
Sorting discs	7 tracks



The Bohle Tablet Checker is used for a mechanical check of the thickness of sugar-coated or film-coated pills, capsules and tablets.

The feeding hopper is filled with tablets to be tested. From there, a vibrator system guides the tablets to the rotating sorting discs. One half of the sorting discs is made of metal and precisely aligned on a hollow shaft. The other half of the sorting discs is made of a see-through synthetic material. These discs are mounted on a shaft, which is located inside the hollow shaft. By moving the inner shaft with the clear discs towards the fixed metallic discs, the desired thickness can be adjusted between 3 mm and 9 mm.

The advantage of these rotating sorting discs is that the tablets will remain in place between the discs so there is no relative friction between the tablets and the test equipment. This motion ensures a very gentle treatment of the tablet surface.

Three different groups will be separated by the sorting discs:

- tablets that are too thick will be guided into special tray by the upper ejector plate
- tablets that are too thin will be collected below the middle ejector plate and guided into a special tray
- accepted tablets that are located between the upper and middle ejector plate will be guided to the production plate

A touch panel controls the entire operation as well as the thickness-check feature. The thickness check can be adjusted to a maximum accuracy of ± 0.1 mm. Such precision is possible because of zero backlash of the shafts and bearings with the use of a compression spring.

The adjustments are precisely carried out by a servo drive. The machine is based on a frame made of aluminum profiles and 4 wheels ensure that the unit is movable. The interior space is completely covered. The hood, made of see-through synthetics and equipped with an electronic safety switch, secures the testing area and protects against unauthorized use.

Cleaning

The Bohle Tablet Checker is equipped with stainless steel doors as well as a large hood to ensure easy access for cleaning, maintenance and troubleshooting. For efficient cleaning, the stainless steel feeding hopper can be tilted and put into the best position for easy access. The covering is made of stainless steel.

Product transfer

As an option, the machine can be equipped with a conveyor belt to fill appropriate bins with the accepted tablets.



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