



## 4 Technical Data

<b>Designation</b>	Tablet Checker System
<b>Type</b>	KA200
<b>Customer</b>	
<b>Serial No.:</b>	9907165001
<b>Year of construction</b>	2000
<b>Weight</b>	485 kg
<b>Electr. connection</b>	220 V / 60 Hz / 3 Ph/N/E
<b>Capacity</b>	200 kg/h Tablets/ (Dragee weight 500mg)



## 5 Construction General description

The control automat has been developed for sorting of sugar or film coated tablets.

It is possible to control the thickness and the diameter of these products.

While the thickness control can be adjusted product independable to any reproducible thickness size, the diameter control works with especially produced control discs, which are calculated to the respective product.

### 5.1 Assembly

The control automat consits in the main of following sections :

- Frame *Struktur*
- Product container
- Thickness control
- -.Diameter control
- Product delivery / conveyor *- Transporter  
- Support*

A system frame is the basic mounting frame of the automat. Four guide rolls make it possible to move the unit to any place of use.

All of the covers, cases and doors are cassett constructed. The container of the not accepted products is removable like drawers and can be easily removed from the side. All of the components are placed under a clear cover und so they can be monitored very easily.

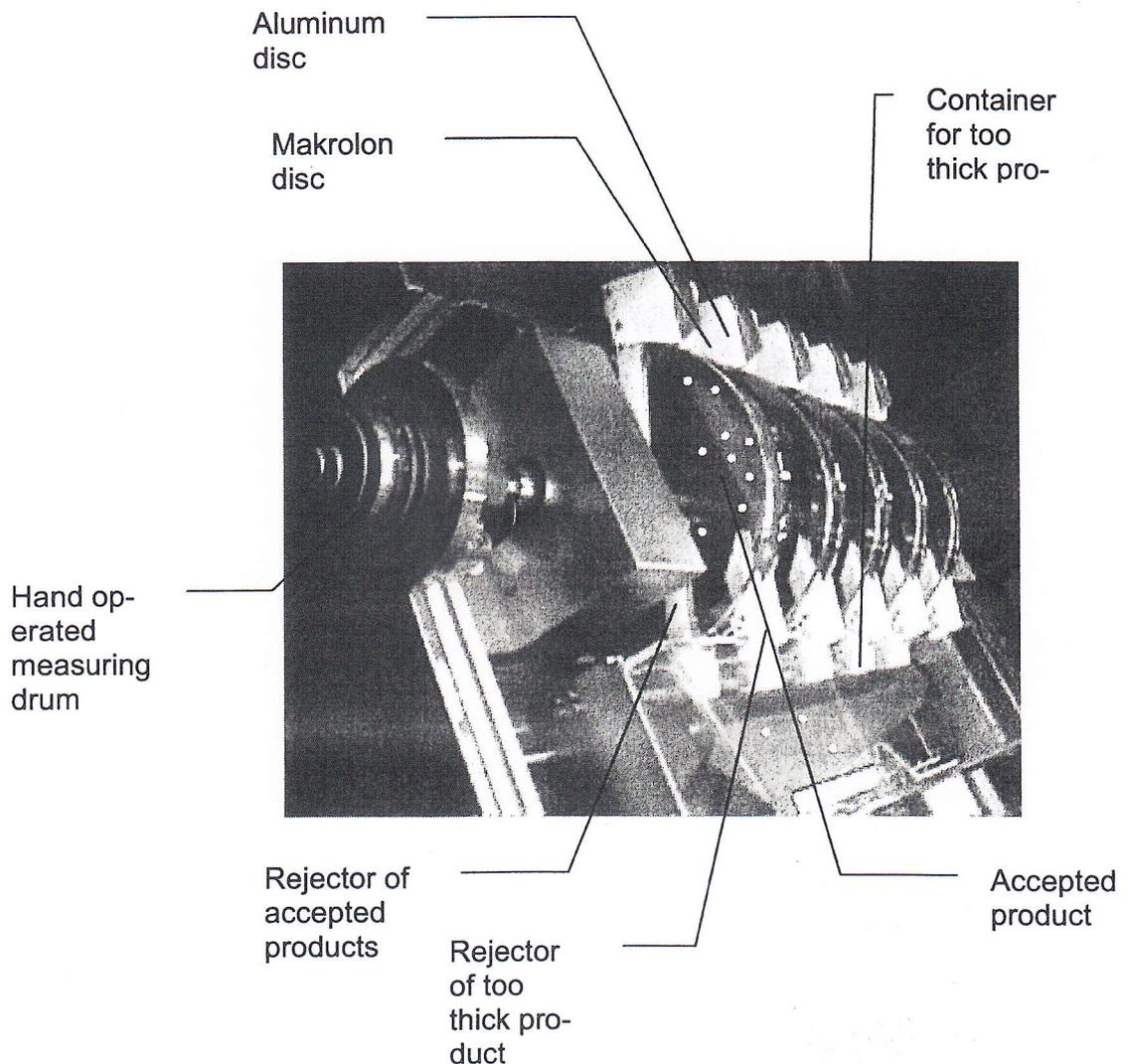
The discharge of the accepted product will be done over a slide or conveyor.

### 5.2 Optional models

- Cart type with four guide rolls und HEWI handels
- Conveyor discharge height of accepted product 920mm
- Hoisting device of product container
- Automatic adjustmet of thickness control
- Clear front cover

## 5.3 Thickness control

Out of three respectively five discharge ports the product reaches the sorting discs to get their thickness checked. These sorting discs are located on a double shaft, consisting of a hollow shaft and a full shaft. One half of these sorting discs are made of metal and are firmly locked and adjusted on the hollow shaft. The other half is made of a transparent synthetic material which is variable adjustable. Any desired thickness between 2,7 and 11,8 mm can be adjusted by turning a so-called micrometer drum. In that way the transparent discs are automatically adjusted against the fixed metallic halves of the discs. Here, it is very important to note, that every clearance during the transfer of this rotation on the shaft is eliminated by a pressure spring.



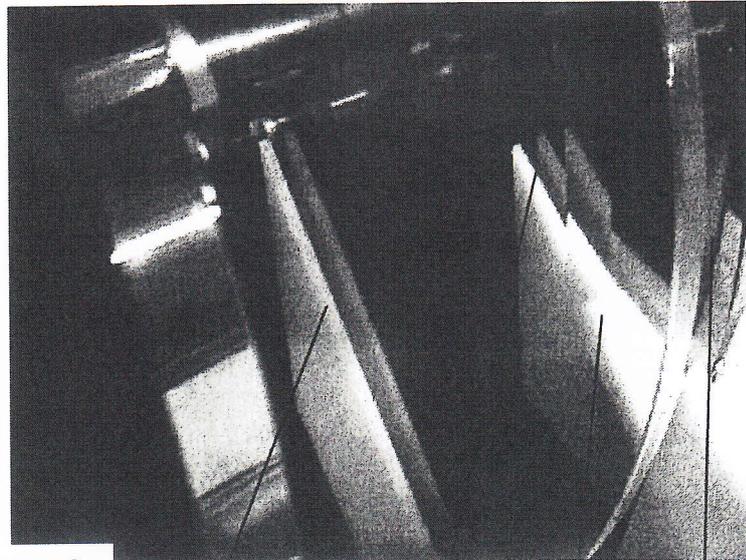
# LB BOHLE

These pairs of sorting discs drain out three different fractions, a " reject finger " or a so-called upper piece of draining (deflector) leads the **too thick product** into a special container made of transparent Makrolon. Between this upper piece of draining and the middle deflector the arrangement of the **accepted product** is contained. The accepted product will be led to the diameter control discs.

Below the middle deflector the products with **insufficient thickness** are collected.

These products will be led into a drawer via rejector on the lower end of the thickness control discs.

## Thickness control (View 2)



Rejector of  
accepted  
products

Rejector  
of too  
thick pro-  
duct

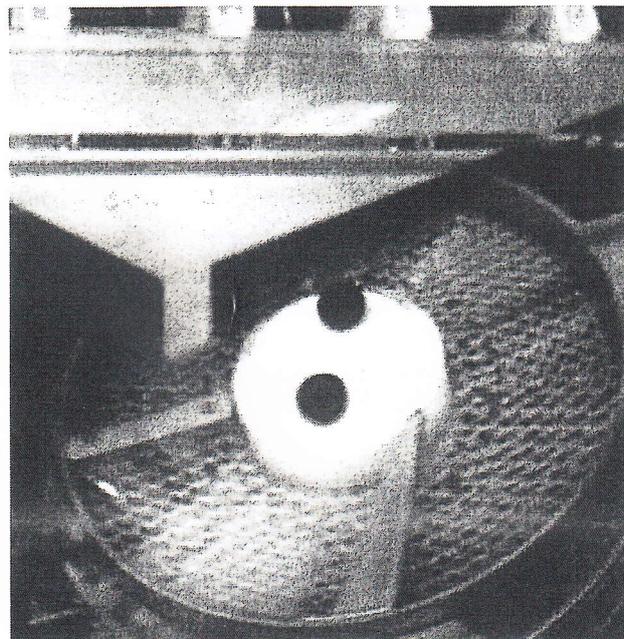
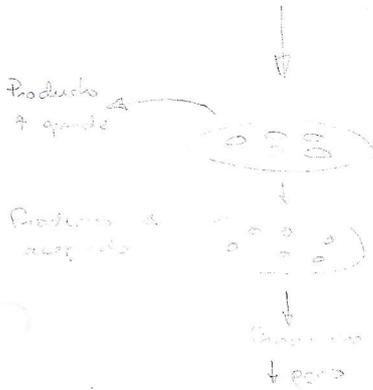
Makrolon  
disc

Aluminum  
disc

## 5.4 Diameter control

The accepted products will be leaded into two so-called diameter control discs. The upper one of the two discs is designed to select and reject twins or extraneous products.

On the lower metallic disc, the accepted product and the too small tablets are feed onto the lower part of the inclinedly adjustable disc. The metallic disc is counter-sunk, according to the product, so that the accepted products lay in the counterbore holes and the bad, too small products fall trough the holes. During rotation, the accepted products are entrained to the opposite side of the insert place. On this place the blow out station is located. It consists of a specially formed air nozzle which is formed in a way that by an air stream the product is lifted and on a deflector plate the product (dragees) can either be leaded onto a conveyor belt or to a inclined slide in order to be collected at the exterior periphery of the machine. The too small products are directed into a drawer and those which are too large or twins are directed into another drawer.





## 6 Emplacement and space requirements

