In the way of manufacturing of wafer, how to increase the Power Transforming efficiency, raise good yield, and reduce the manufacturing cost, are the 3 major challenges to all makers.

Besides the quality, the higher broken percentage is the major defects and troubles, which are mainly caused by manual inspection by operators’ hands.

Therefore, it points you out the right way to have the cost-down effectively will be possibly preventing the wafer broken in manufacturing.

And, the conclusion tell us that the best way is using a counting machine, which is able to provide fully automatic, non-contact, absolutely accurate and high-speed counting capability.

You will find M-8 Wafer Counter are exactly fit your needs as mentioned above.

M-8 is built up with artificial intelligence and voice-guided system. It assures a workable and cost-saving method, which is preventing any possibility of wrong operation, and reduces the loss by manual counting or weighing.

In every steps of manufacturing, M-8 can easily help to count wafer accurately and speedly. It not only is able to count the exact quantity, but also prevent the debate between different departments at site when broken happened. Of course, the most important, it can assure the quantity of wafer produced exactly fit clients request.

M-8 is designed to be able to operate indivisually, that offers user the best convenience and cost saving, which will be absolutely able to solve the problems or breakage by counting via hand-work.

Voice-Guide-System will help the Operator to use M-8 easily. It needs not any other special training.

Humanized design of M-8 does help you to reduce any errors or loss caused by workers tirement or exhausting.
Characteristics of M-8 Wafer Counter

- M-8 is an Un-Contact, Fully Automatic and absolutely Accurate Super Counting Machine.

  a. M-8 uses 9 pieces of CPU, accompanying with 5 sets of Laser System, which provide a synchronized and truly Un-Contact counting. And, this assures the accuracy rate over 99.99%.

  b. The software used by M-8 will automatically collect every scanning and counting. Every counting data will be collected from 16 to 64 sets for identification, conclusion and analyzation; these will help and lead to get a highest accurate and measuring value.

  c. X-Y two axis Auto-Positioned-System provides humanized operating interface, and can be so easy that you can operate with one finger.

  d. It can count no matter what it is packed with case and/or shield plates.

- M-8 is using open-minded design and built with auto feedback adjustment and correction system such a strong power.

  a. When thickness of Solar Wafer is up to 200μm, even its thickness difference over 20%, you will find M-8 is keeping its highly Counting Accuracy by its powerful auto feedback – adjustment - correction system. It means M-8 can work effectively even it is under hybrid-thickness condition.

  b. The powerful artificial intelligence of M-8 will serve its highest counting accuracy even the wafer are distortion or curving.

  c. Accompanying the most precise laser projecting system, and auto feedback-adjustment-correction power, M-8 will never need to be fixed or adjusted at your site, as it is always keeping its high efficiency and accuracy automatically.

  d. M-8 uses concept of Open-Type design, which reserves the space to modify or solve the issues or troubles created in manufacturing in the future.

M-8 SPECIFICATION & DESCRIPTION:

a. Counting thickness
   1. Thickness of wafer : 150 μm to 360μm
   2. Dimensions of Solar wafer : Range within 125x125mm ~ 156x156mm, SQUARE or ROUND. Bigger or special type is also available by our special design. If you have the special demand, please contact us as soon as possible.
   3. Maximum pieces, scanning or counting each time: 150 pieces. (It is able to extend up to 230 pieces by our special design.)

b. Counting Speed (including wafer transferring timing):
   1. Auto-mode : 7~15 seconds, (Recommended Mode)
   2. Absolutely Accurate Mode: 15 seconds
   3. High Speed Counting Mode: 3 seconds

c. Dimensions and Weight of M-8:
   1. Net Weight: 36kgs
   2. Dimensions of width x depth x height : 40 x 60 x 50, (cm)
   3. Power Supply: 90-264VAC / 47-63Hz

M-8 M-8 Special Character:

a. Auto-Correction Mode of M-8 can collect data of distortion, curving, thickness difference, etc., then, analyze and auto-adjust its counting parameter, which will be suited to client special need at site.

b. The power supply to laser will be off automatically, if the time of Stand-By is over 5 minutes

c. Voice-Guide-System provides Chinese/English/Japanese. The counting result will be displayed on LED displayer through digital control speaker.

d. Voice-Guide-System provides an accurate and fast feedback for the counting. It will give the operator a more comfortable working condition and reduce the chance of error.

e. The large Red and Green Alert Lamp will indicate the counting result fit the value of default or not, separately.

f. User can set his own program easily, by following the instruction of Voice-Guide-System.

g. Bipper can be on/off accoding user’s demand.

h. Built with printer interface which can support RS-232 for the Label Printer to print.

i. RS-232 interface is built in M-8 for PC connection, it means the PC mainframe can be working with the machine on line.

j. Larger LCD Display (Character Dimension, Height 8.1mm x Width 4.8mm) can show all information clearly

k. When it is powered on, everytime, the Self-Test-Program will be initiated to protect and make sure of machine in good and ready condition.