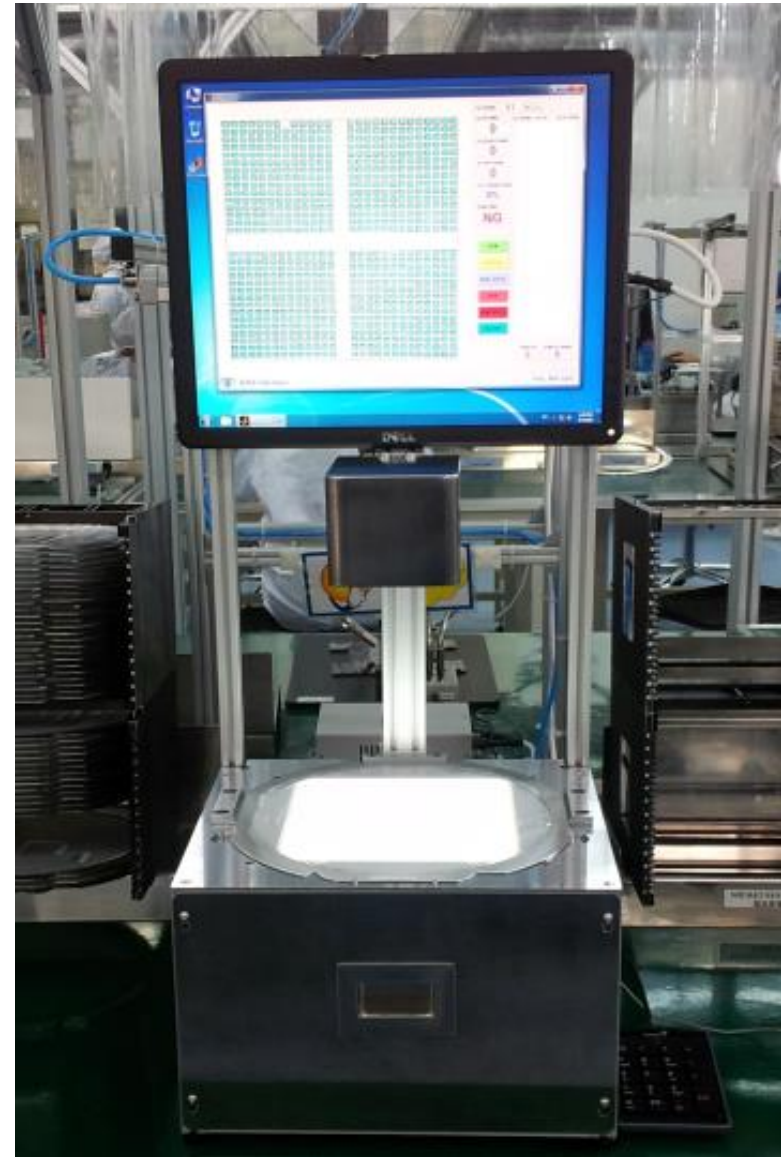




Semi automatic Glass Filter counter machine.

Machine description:

- This machine has a camera to take a picture of the product, then the computer will process the image and calculate how many products on a frame and display it on the screen. The result list of those counts will be collected and exported into excel, text or image file format.
- In addition, you can know the ratio of good products, the total number of products in a lot.
- The processing time for each count is very fast so it will save a lot of time compared to the eye count.
- With 100% accuracy, avoiding complaints from customers because of wrong quantity of products.



Features:

➤ **High speed:**

Less than 1 second to know how many product on 1 frame

➤ **Low cost:**

Fast return on investment.

➤ **Auto report :**

Can be export the result to MS Excel sheet, text or image file

➤ **Compact size:**

Only 235mm x 300mm x 1000mm (LxWxH)

➤ **Easy to use:**

Just place your work frame on the machine and press Enter.
Result will show up immediately.

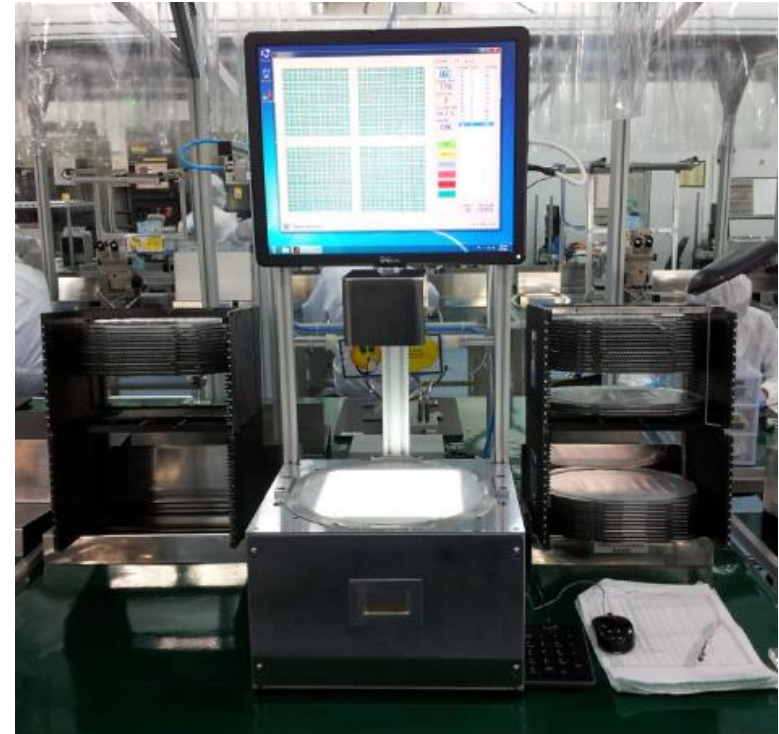
➤ **Reliable:**

Exactly 100%

Compare with convention way:



- Take long time
- Not 100% accuracy
- No auto report
- Need to double check



- Very fast
- 100% accuracy
- Auto report
- No need to double check

Working time comparison:

If monthly quantity is 6000.000 pcs and 780 pcs/ frame: 256 frame/day

Conventional way

- Take frame from cassette
- Count how many missed GF by human eyes
- Calculate available GF number
- Input the number to check sheet
- Return frame to cassette
- Double check (x2 time)

Take 2 minutes to finish 1 frame

$256 \times 2\text{min} = 512\text{min} = \mathbf{8.53 \text{ hour/day}}$

GF counter machine

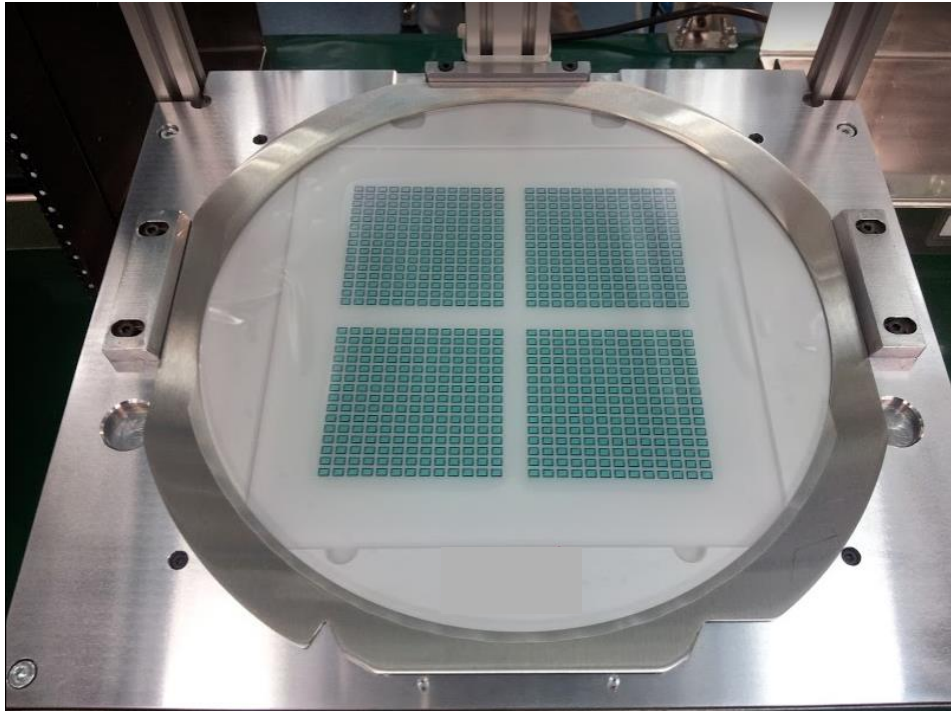
- Take frame from cassette
- Place to the frame table and press Enter button
- Return frame to cassette

Take only 5 seconds to finish 1 frame

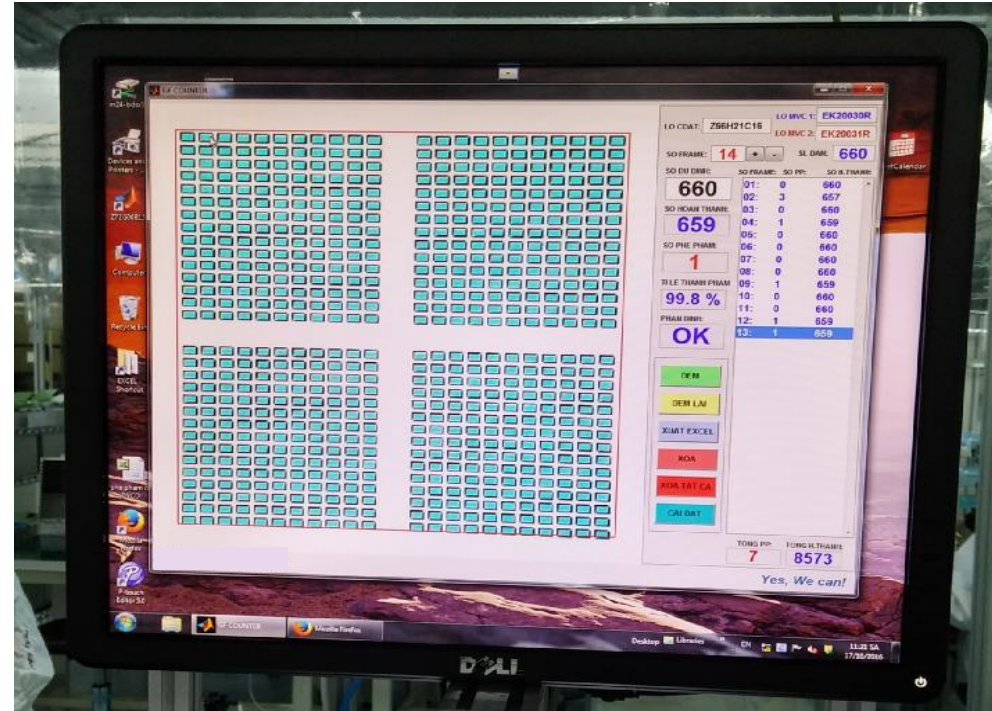
$256 \times 7\text{sec} = 1792\text{sec} = \mathbf{0.5 \text{ hour/day}}$

You can save over 8 hours labor cost per day

Simple but powerful :

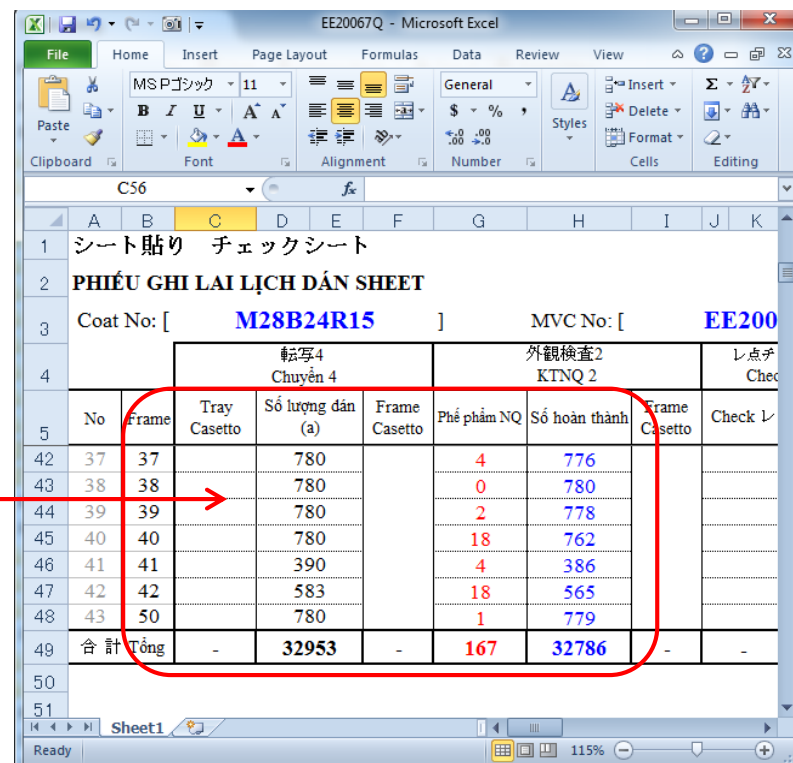
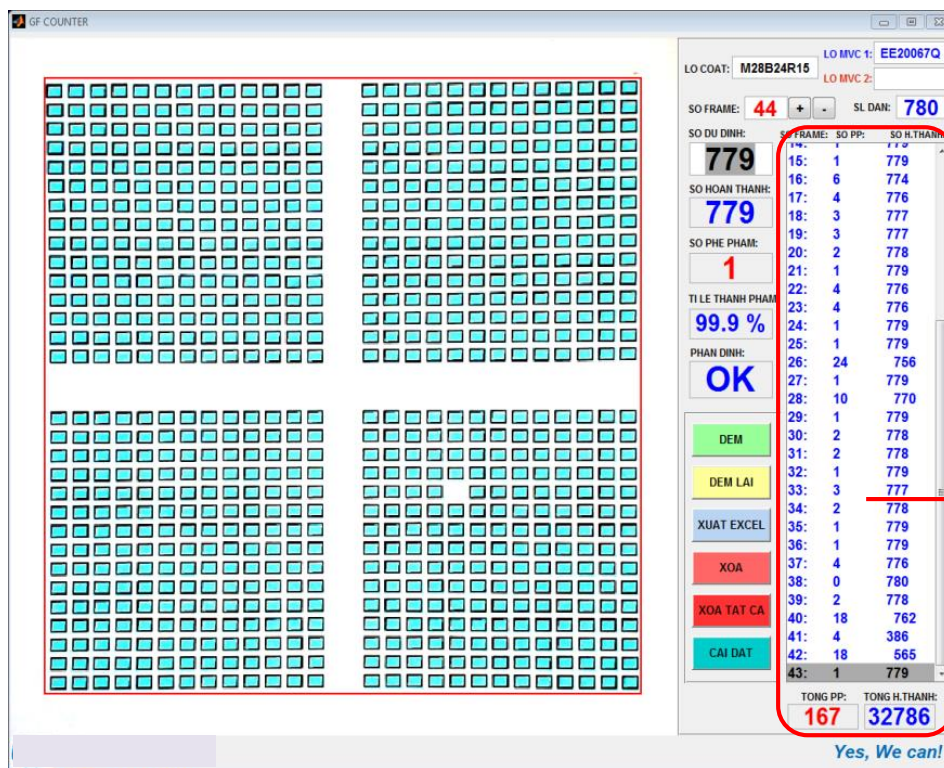


- The frame table is treated with smooth surface to avoid scratching the product.
- Can be customized to 5, 6, 8 inch.
- Easily put in and get out



- The screen displays a lot of useful information such as quantity, total, good product rate, history...
- Products can be live viewed on the screen.

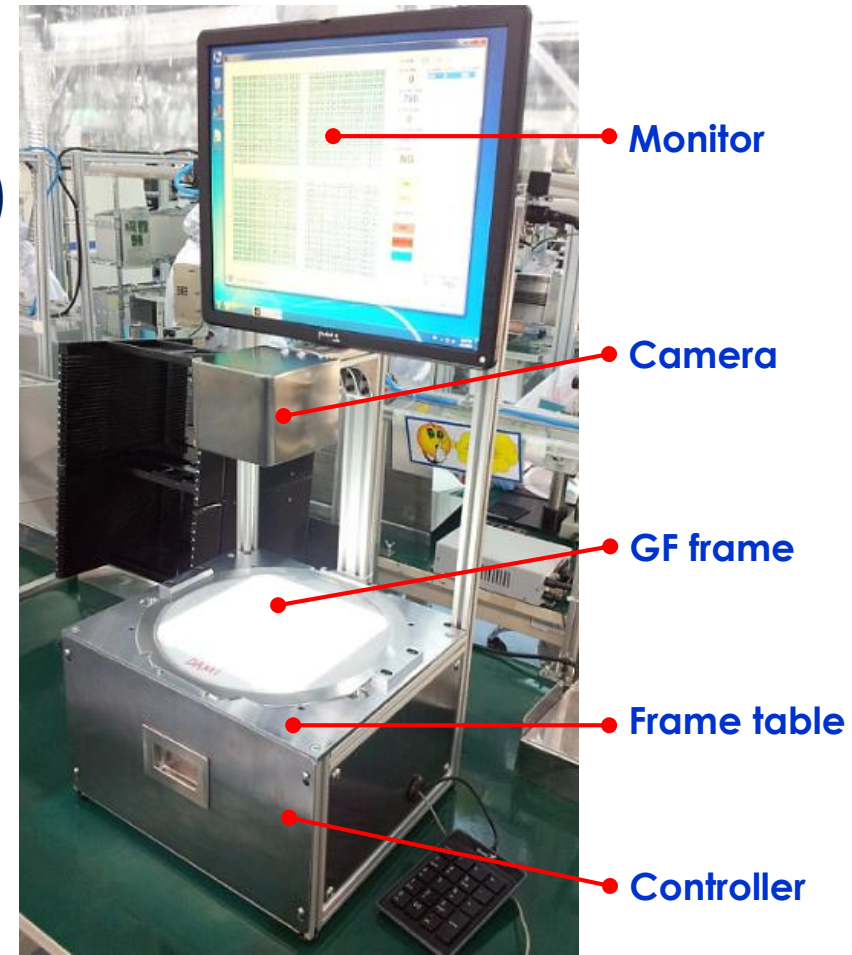
Export to Excel file:



- Automatic fills data into the excel file.
- Report file can be use in the next step of production.
- Less hand write.
- Easy Traceability with Lot ID.

Specifications:

- Frame size: 8 inch (can be customized from 4 to 8 inch. Above 8 inch: to be discussed)
- Minimum size of glass filter: 2x2mm
- Minimum gap between glasses : 1.5mm
- Process time per frame: 0.1s
- Camera light source: white LED backlight
- Dimension (LxWxH) : 235 x 300 x 1000 (mm)
- Weight: 20Kg
- Power source: 100-240VAC - 2A



More pictures:



Youtube: <https://youtu.be/8EfzuXLHPBc>

Thank You

There are many other solutions and products which are not included in this slide Contact us or visit our website for more information.



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END