

## MARVIN – New Analyser/Counter for Vegetable and Flower Seeds

**MARVIN** is a seed analyser of a new generation. An electronically taken digital picture of the seeds will be processed and evaluated by a special software. In this manner MARVIN allows to **count seed samples very fast and with high accuracy**. **Some hundreds of samples** can be analysed **every day** and valuable **working hours** can be **saved**. If an electronic weighing equipment is connected to the PC, the sample mass will be transferred and the **Thousand-Grain-Weight (TGW)** is calculated. At the same time the **size of seeds (2D)** is determined and shown in **size fractions**. The analysis and the results can be traced and stored by control images and a **protocol table**. The configuration of the program and the analysis can be done according the properties of the seeds and the requirements of the user. In this way also **irregular shaped seeds** can be analysed. The results of the analysis can be exported to a **MS Excel file** or a **data base**. That is why errors in transferring of data can be prevented. In the **group mode larger seed samples** are counted and higher accuracy is reached. **The analysing system is easy to handle and operate and also the software**. Because of little wear and tear no regular service is needed.



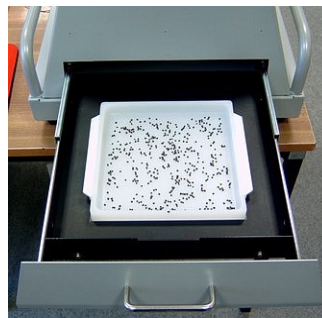
The MARVIN device is used by many **breeder producers and dealer of vegetable and flower seeds whole over the world**. They use it especially for **quality check and quality control** at seed delivery, seed processing (cleaning, calibration, pilling) and packaging.

According to the seed variety, seed size and to the object two devices of MARVIN are offered:



### MARVIN-Universal:

for seed size 0.8mm Ø up,  
pixel resolution 0.3mm,  
measuring plane 27cm x 27cm  
to tilt for fast emptying



### MARVIN-Fine:

for seed size 0.2mm Ø up,  
pixel resolution 0.1mm,  
measuring plane 18cm x 18cm, to  
take out, additional measuring plane  
10 cm x 10 cm for better handling of  
Begonia and other very small seeds