

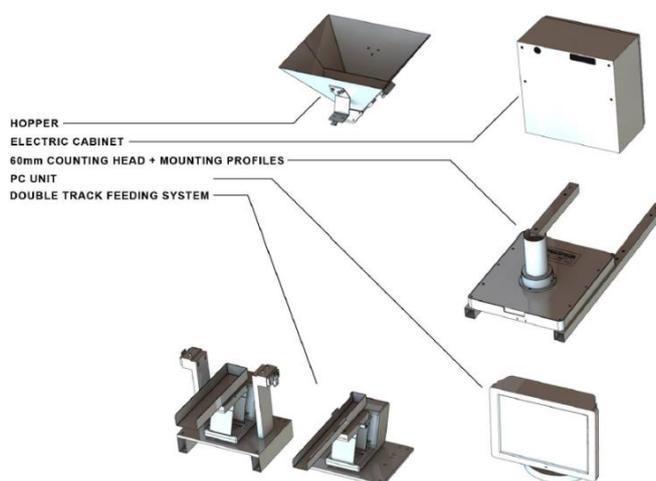


## DATA Count U-162 kit

**DATA Detection Technologies Ltd**, a multi-disciplinary R&D based company, developed a unique method of counting and subsequently packaging small objects in bulk. The system can handle a wide variety of objects, from seeds, pharmaceutical and chemical products to electronics and small mechanical parts. The products do not need to be separated over separate lines, nor do they need to be fed one by one or spaced at specific intervals, as is often the case in conventional counting systems. They are, in fact, counted in bulk. A single system\counting unit attains speeds that almost match the weighing speed of small objects. Counting rates of up to 25,000 objects per minute are often achieved. Objects as small as 0.5mm and different shapes can be handled and the use of advanced mathematical algorithms ensures 99.5-100% accuracy.

### Components:

- ⚙ One 60 mm counting head
- ⚙ One PC
- ⚙ Software including security key
- ⚙ Double track feeding
- ⚙ One Hopper
- ⚙ Electrical cabinet & wiring



### Features:

- ⚙ Object size: 0.5mm-20mm
- ⚙ Counting speed: up to 25,000 objects per minute (counting speed is subject to object size, features and calibration)
- ⚙ PC Based HMI
- ⚙ Counting modes: Non-target count (free count), target count
- ⚙ Traceability: Job details (dates, users, actual counts per bag) are stored, can be looked up and saved externally

### Applications:

**Packaging:** DATA's integration kit enables easy integration with a bagger system, delivering a complete counting and bagging solution for commercial packaging.

**Inline integration:** DATA's integration kit can be integrated into a production line, providing rapid object count (such as during quality control processes).



## Benefits:

- ⚙️ **Speed:** DATA Count U-162 configuration enables counting rates which are close to weighing speeds, and are much faster, compared to other traditional counting systems.

**Expedited counting process → Reduced order processing time → Ability to process new orders**

- ⚙️ **Accuracy:** DATA's counting unit provides unprecedented accuracy levels, detecting the actual object counted number in an accuracy level of 99.5%-100%, and thus, reducing weighing systems' unwanted variation of 2%-5%, while keeping close to weighing output.

**Accurate count in packaging → Reduced overfill levels → Products saved for future orders  
→ Money saved by not giving away products for free**

- ⚙️ **Object variety:** DATA's counting unit is able to count different objects, regardless of their shape (transparent glass-like objects cannot be counted. Objects with multidimensional surface may require manual calibration).

**One system can count numerous object types → Reduced need for additional systems**

- ⚙️ **Unique configuration:** DATA's counting unit unique configuration enables performing different jobs, with minimal to none mechanical adjustments.

**Minimal mechanical adjustments → Reduced order processing time → Ability to process new orders**

- ⚙️ **Enhanced inventory management:** Many expenses associated with managing inventory. Counting during production process ensures these expenses are decreased to a minimum.

- ⚙️ **Software:** DATA's unique software features a user-friendly interface with easy set up and operation. Counting jobs can be defined manually or by uploading pre-made order files (excel format), which control the counting process.

- ⚙️ **Rapid ROI:** By Reducing order processing time, the company can attend to new orders which otherwise would be handled later, and as a result, process more orders in the same given time. In addition, by eliminating the need to overfill and packing in exact counts, the company can save it's product for future orders, rather than giving away product for free.

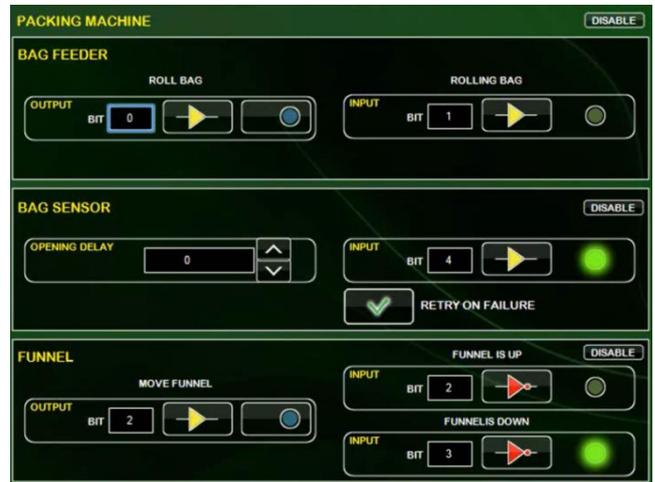
**Eliminate need to overfill → Products are saved for future orders  
Reduced order processing time → Ability to process new orders  
Manual labor replaced by machines → Reduced labor costs** } **Quick ROI**



**Software features:**

**Integration** – DATA's counting unit can be integrated with a bagging machine. One simple HMI enables full control of all I\O's that can be tested prior to operation. In addition, all functions can be disabled.

\*Integration is subjected to DATA's logic protocol.

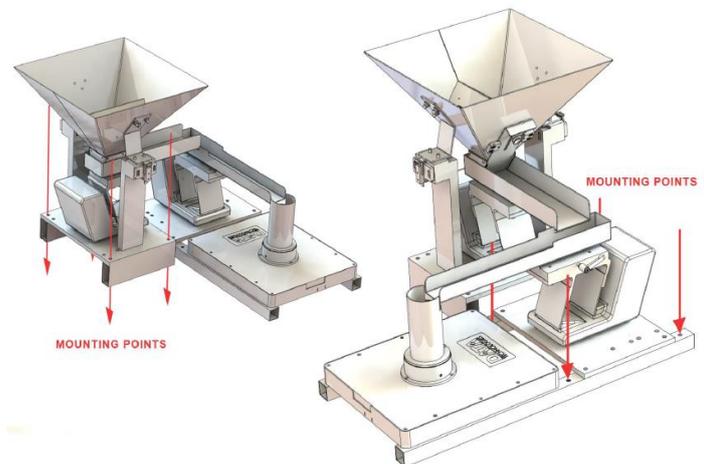
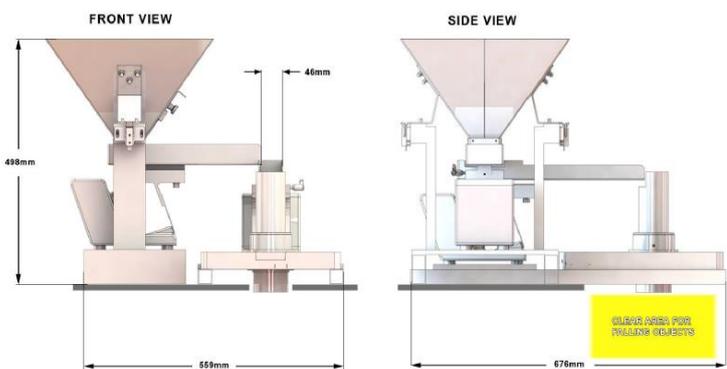


Screen illustration

**Remote Support** –Each of DATA's counting unit's PC is supplied with a TeamViewer software, which enables online direct support.

**Specifications** - PC-software programing, RS-232 communication (PC-PLC), windows 7 interface

**Assembly -**



DATA Detection Technologies LTD.

