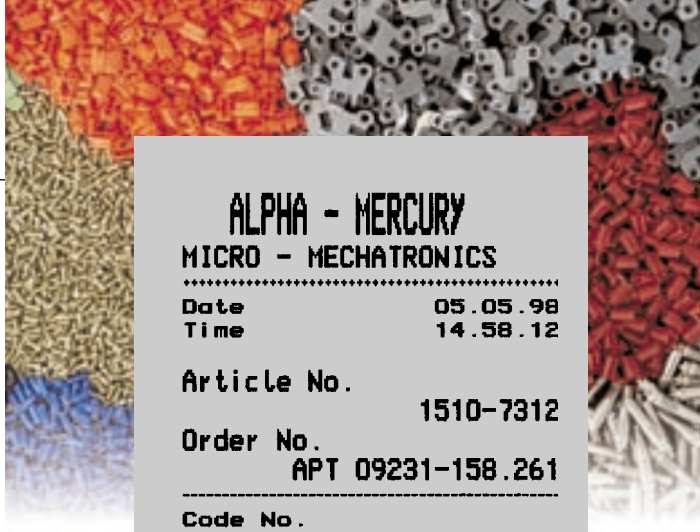
Systematic counting to fit the bill exactly.

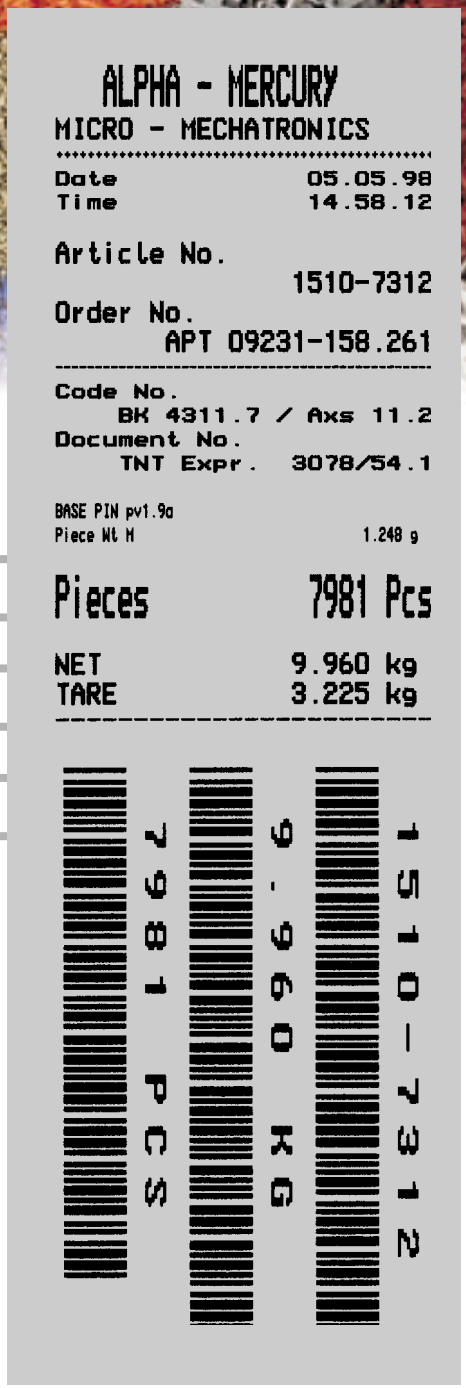
This user-friendly software package enhances the already substantial standard capabilities of your ID7 industrial terminal to include parts counting. It gives you reliable system data quickly for easy invoicing and accurate stock control.

METTLER TOLEDO

Consistently accurate counting.

Efficient counting of parts in Goods-in, Production, Stores and Dispatch





Printout shown actual size

- ☐ Robust, industrial housing provides IP68/IPX 9K protection
- ☐ BIG WEIGHT® display with large digits easily read from a distance
- ☐ Smooth, sealed membrane keypad for long life and ease of operation
- ☐ Codes A to D for clear identification of the parts being counted
- ☐ Interfaces facilitate connection of peripheral systems

COUNT

- A Article-No.
- B Order-No.
- C Code-No.
- D Document-No.

Cost-effective and safe operation with the ID7-Count^{2000}
Whether counting manually or automatically the ID7-Count^{2000} and its ID7-Count^{2000} counting software always provides the correct data.

Our weighing solutions, which can be easily integrated into every counting application, optimize your production and logistical processes. They provide transparent, accurate data, which can be linked to higher-level EDP systems for clear commercial benefits.

Counting parts in **Goods-in** prevents production delays due to missing items. Accurate quantities in **Dispatch** guarantee satisfied customers.

METTLER TOLEDO parts counting systems monitor **Production** and record the results on a printer or the computer system.

Continuously updated stock figures in the **Stores** minimize space requirements and provide a reliable indication of the minimum quantities needed for fast response.

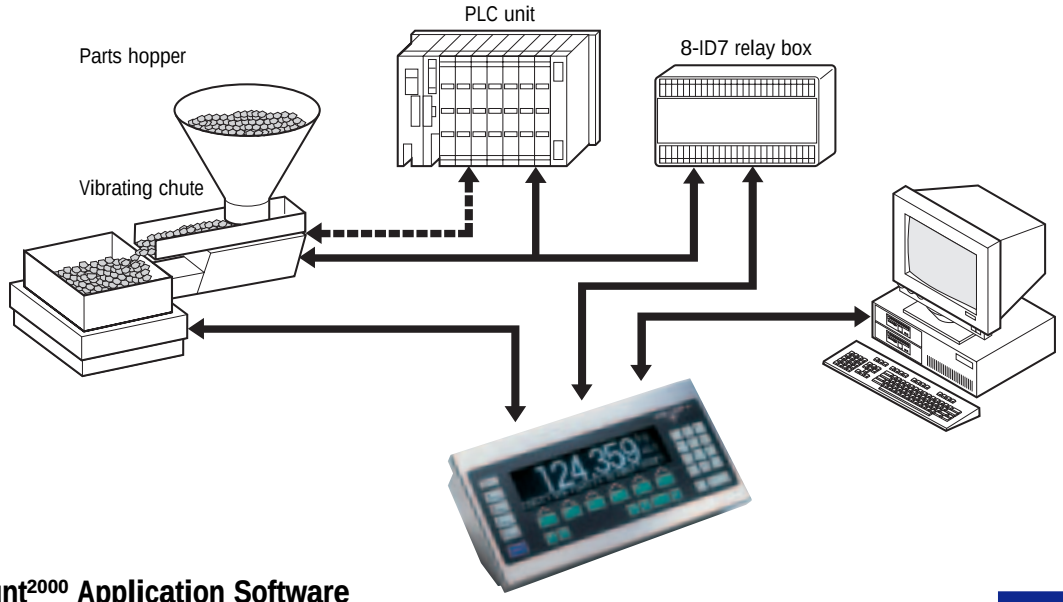
Correct counting in every weight class
Whether dealing with small, light pieces or large, heavy pieces in various quantities, reliable and accurate piece counting is required. METTLER TOLEDO scales are suitable for any pieces, any level of accuracy and any quantities. The ID7-Count^{2000} offers numerous functions, including monitoring the minimum reference weight using automatic reference optimization and compiles statistics for your operations.

Up to 3 different scales can be connected
Regardless of which type of scale you wish to use, the versatile ID7 data interfaces enable up to 3 different scales from the laboratory and industrial range to be started up.

Fast data input without errors
Data can be quickly and safely recorded using a bar-code reader, an external alpha keyboard or online e.g. from the warehouse computer.

Totalization
Using the «Totalization» function of the ID7-Count^{2000}, weight values and quantities from several containers can be totaled using the item counter.

Typical automatic part dispensing system



Technical Data for ID7-Count^{2000} Application Software

Function keys

REF	Start of count with standard reference quantity with only 1 key
REF N	Start of count with variable reference quantity
REF G	Start of count with input of part weight
PLUS	Totalization
TOTAL	Display total
← →	Toggles between actual quantity and total to allow simple distribution of quantity counted amongst several containers.

Quantities

Quantity calculation	Continuous calculation from part weight and actual net weight
Quantity display	BIG WEIGHT display with 18 mm high digits, 7 places with indication of the units 'Stk' or 'pcs', with thousands separation character
Starting count	• By pressing single key with standard reference quantity • By entering the variable reference quantity (1 to 9999 pcs) • By entering the known part weight in various units on the keypad, from fixed value memory or via interface (e.g. PC, barcode reader)
Fixed value memories for part weights	999 fixed value memories for frequently used parts, each with part weight and 20 character part name, buffered in case of power failure and quickly retrieved.

Technical Data for ID7-Count^{2000} Application Software

Part dispensing

Dispensing function	Automatic filling with target quantity of parts counted on basis of weight, with coarse and fine feed for maximum accuracy.
Method of dispensing	Weighing in or out.
Dispensing parameters	Option of input on keypad by user in response to prompts, retrieval from one of the 25 fixed value memories or via interface.
Learn mode	Automatic determination of the parameters for coarse and fine feed.
Tare function	Automatic taring at the start of dispensing, can also be switched off.
Target value memories	25 fixed value memories for parts that have to be dispensed often. Each memory contains part weight, item name, target quantity, limits 1 & 2, + tolerance and – tolerance.
Tolerance checking	Comparison of target with actual, with +tolerance and – tolerance. Manual or automatic, pulsed re-dispensing.
Refill correction	For optimizing filling accuracy, with variable correction factor.
Control signals	Via RS485-ID7 interface and 8-ID7 relay box (accessories) • Signal outputs: control of the feed devices (coarse/fine), tolerance checking output (too few/too many), general outputs (on/off, enabled, end of dispensing). • Signal inputs: start/stop/acknowledge for dispensing and taring.

Neutral measurement

Application	For determining weight-dependent quantities such as lengths, surface areas and volumes easily.
Format	Result can be displayed to 0–3 places after the decimal point.
Unit	Result can be printed out with any 10-character text.

BIG WEIGHT® is a registered trademark of Mettler-Toledo (Albstadt, Germany) GmbH.

Counting accuracy

Minimum reference monitoring	Minimum reference weight can be selected for each scale depending on models connected.
ADD function	Automatic calculation and displaying of the quantity needed to reach the minimum reference weight, can be switched off.
Warning	Indication of quantity if counting has been started below the minimum reference weight.
Reference optimization	Automatic function for improving counting accuracy.
Statistics function	Mode for automatically calculating mean and standard deviation of individual parts counted.
Multi-scale systems (accessory)	Up to 3 scales can be connected. You will achieve extremely accurate counting cost-effectively with the ideal reference scale from the entire METTLER TOLEDO range.

Totalization functions

In weighing mode	Gross total, net total and tare total
When counting parts	Gross total, net total, tare total and total quantity
When dispensing parts	Automatic totalling of gross, net, tare and quantity
Total memory	7-place weights, 8-place quantity
Item counter	Up to 9999, any start and end value can be chosen.
Total handling	Cleared automatically at the start of counting, can be switched off.

General functions

Info function	Easy retrieval of mean part weight, actual reference quantity, standard reference quantity, contents of the fixed value memories, net total, total quantity, item counter, dispensing parameters.
Control signals	Via 4-I/O-ID7 interface and 4-ID7 or RS485-ID7 relay box and 8-ID7 relay box (accessories), while part dispensing not activated: • Signal outputs: DeltaTrac status (too few/too many), scale stability • Signal inputs: ON/OFF key, zeroing, taring, Enter • 4 independent freely definable switching points (not applicable for piece filling applications)