

Accuracy When it Counts

GWP® Recommendation for Counting



Every piece counts for your profit

Accurate piece counting directly translates to increased profit. Weighing with scales of unknown uncertainty can result in giving away thousands of your precious pieces every day.



Choose the right counting scale

Selecting the counting scale with the right accuracy pays back. It eliminates costly overfilling and protects your reputation by avoiding underfilling.



GWP® Counting

Based on your specific requirements, such as parts weight, number of pieces and parts deviation, the GWP® expertise helps you to choose the appropriate counting scale.



Specifying the Right Counting Solution for Your Needs

Selecting the right counting solution saves money and provides peace of mind from the start. The GWP® Recommendation for Counting is a unique qualification service to determine the right counting solution for any specific process requirement. Counting accuracy is not accidental. Be sure to receive a GWP® Recommendation for Counting before you purchase your next scale.

Get more information
on GWP® Recommendation for Counting
▶ www.mt.com/gwp-rec-counting

Increased Profit

Financial Aspects of Overfilling	
Level of confidence	95.2% (15)
Overfilling cost (losses) per year	5.12
Overfilling not produced per year	7.188
Missed revenue from small packages per year	2
	7.679
	23.920

Assumptions	
Cost per piece	0.1
Number of packages produced per day	50
Number of production days per year	250
	3.250

Your Concern:

How to avoid profit losses due to overfilling?

Our Solution:

We help you calculate how much costs you can save with accurate counting. Benefit from the start by selecting the counting scale with the right accuracy.

Stable Processes

Sample Data	
Sample size	1000
Standard deviation	0.05
Standard error	0.0158
Counting rate	1000
Standard deviation	10
Standard error	1

Counting Data	
Parts per package	1000
Number of pieces per package	1000
Number of sample pieces	1000
Number of weighing lots	10

Your Concern:

How to assure stable and reproducible processes?

Our Solution:

To achieve reliable counting processes, it is paramount to accurately determine the reference weight. Secondly, choose an optimal number of reference pieces. Lastly, use a suitable counting scale. GWP® Recommendation provides all that in one document.

High Counting Accuracy

Accuracy Provided	
Confidence	95.2% (15)
Deviation from the number of pieces to be counted	0.05
Level relative counting error	0.0158

Contributions to the Counting Error	
Contribution to error from sample size	0.01
Contribution to error from counting scale	1.81
Contribution to error from parts variability	98.18

Your Concern:

How to maintain counting accuracy?

Our Solution:

Counting accuracy is influenced by a multitude of factors. The deviation of the part's weight, human error or environmental variations are among the main influences. METTLER TOLEDO provides expert advice to maintain accuracy in your facility.

Contact your sales representative and ask for a complimentary GWP® Recommendation for a counting scale:

► www.mt.com/contacts

www.mt.com

For more information



Mettler-Toledo AG

CH-8606 Greifensee, Switzerland
Phone +41 44 944 22 11
Fax +41 44 944 30 60

Subject to technical changes
© 11/2012 Mettler-Toledo AG
Printed in Switzerland 44098454
MCG MarCom Greifensee

GWP®

Good Weighing Practice™

GWP® is the only science-based global standard for efficient lifecycle management of weighing systems, applicable to all kinds of weighing systems of any manufacturer. It helps you to

- choose the right balance or scale
- calibrate and operate your weighing equipment with security
- comply with current quality, compliance, laboratory and manufacturing standards

► www.mt.com/GWP