



Professional Packaging Systems

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Sciotex PerfectCount High-Speed Counting Systems



At a Glance

- Counting systems count parts ranging in size from .03mm to 150mm at speeds up to 2000 parts per second
- Layer counting systems count stacks of cartons, carboard, boards, tires, filters - anything stacked on a pallet
- From manual table top models to fully-integrated systems, Sciotex systems can be customized to meet exacting requirements

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

Count Tiny Parts and Stacks on Pallets

Sciotex counting systems improve part and piece counting operations, with counting speeds up to 2000 parts per second!

Sciotex offers three standard models of stand-alone counting systems that count parts ranging in size from .03mm to 150mm. Sciotex has also developed thousands of custom counting and automated inspection systems that integrate with most major automated packaging systems. Sciotex counting systems integrate with counting in drop-zones, conveyors and leveraging robotics for advanced inspection, count, pick and place operations.

Sciotex PerfectCount models range from table-top models to fully integrated systems. The PerfectCount counting system is designed, built and supported in the United States to exacting standards. PerfectCount are developed to save significant time and money, with a short ROI.

Sciotex StackCount stack layer counting systems offer a high-speed solution to counting stacks of cartons, carboard, boards, tires, filters - anything that is stacked on a pallet.

Machine Learning and AI Counting Faster than Counting Scales

Sciotex PerfectCount is a revolutionary counting solution tailored for industries that demand precision and efficiency. The Sciotex PerfectCount system adapts to your unique needs with unparalleled accuracy to precisely count small parts, bolts, screws, or even candies and gummies.

From applications of small items such as fasteners and pharmaceutical tablets to applications of larger items such as corrugated sheets, cardboard, and filters, Sciotex PerfectCount delivers where traditional scales fall short. With cutting-edge vision counting technology, Sciotex PerfectCount ensures operations achieves maximum productivity, whether handling seeds, capsules, candies, or even Legos.

Fast No other counting machine can match The Sciotex PerfectCount counting system for speed. Round 1.25 mm pellets can be counted at 1,000 per second, and large objects like 1/4-20 nuts at 200 per second.

Reduced Costs Eliminate labor intensive hand counting or wasteful overfilling based on weight. PerfectCount systems have ROI as low as a few weeks for most applications.

Accurate PerfectCount counting systems achieve >99.99% accuracy at lower feed rates and maintain accuracy above 99.5% for speeds into the hundreds of parts-per-second for most parts.

Flexible & Easy Standard part counter system counts objects between 0.3mm and 150mm. The easy-to-use software allows for counting and packing. Further customization available.

How Does the Sciotex PerfectCount System Work?

Unmatched Ease, Speed & Counting Accuracy

Sciotex state-of-the-art vision-based technology with advanced image acquisition and custom analysis software work together to provide high-speed counting with very high accuracy.

Small objects fall through a drop zone where they are imaged by a high speed camera 35,000 times/sec, which sees the falling objects from two view angles.

Instantly Measures Any Shape, Any Material Size Distribution

Sciotex PerfectCount works with objects of any shape: disks, balls, rods, objects with holes, or even complex geometries. Material type does not matter to PerfectCount. Transparent glass, polished metal, and many food items are no problem. A special version of PerfectCount has been developed for seed counter applications.

In addition to high-speed counting, PerfectCount provides real-time Machine Learning and AI Counter information about the three-dimensional size distribution of the parts. These two orthogonal views allow Sciotex custom counting software to compensate for cases where objects overlap in one or both views, which allows PerfectCount to provide extremely accurate counts at high speeds.

Remove the Scales and Deliver Superior Counting

High-volume manufacturing and packing operations commonly estimate the number of parts by their weight. Unfortunately, varying sizes and material densities often lead to wasteful overfill. Counting small parts manually or by weight using counting scales is expensive and time-consuming. Solve these problems with Sciotex PerfectCount high-speed counter and small parts counter system.

PerfectCount uses vision-based technology to individually count each part at lightning fast speeds. How fast? One example: 1.25mm pellets can be counted at over 1,000 parts per second!

Sciotex Counting Systems

High-Speed Drop Zone Counting System

The Sciotex Drop Zone Counting System lends itself to many different counting needs with a variety of sizes and configurations. The Drop Zone Counting System comes with many options for material

handling before and after the count. These options are especially useful in high-speed and high-volume counting operations, where speeds reach up to 2000 parts per second.

Table Top or Conveyor Counting Systems

Sciotex Table Top and Conveyor Counting Systems improve many different types of counting operations with flexibility to integrate into a wide variety operations. From manual table top models to fully-integrated systems on high speed conveyors, these Sciotex systems can be customized to meet exacting requirements.

Robotic Pick, Place, Count, and Inspection Systems

Robotic counting systems are highly configurable to improve many different operations. Counting, pick and place, vision inspection, and other characteristic determinations built to handle a wide range of counting and quality control operations.

Stack Counting Systems

Sciotex StackCount stack layer counting systems offer a high-speed solution to counting stacks of cartons, carboard, boards, tires, filters - anything that is stacked on a pallet.

Integrated Counting Systems Systems can be added to automated packaging systems or integrated into manufacturing, process and quality operations. Sciotex develops automated counting and vision inspection systems that improve quality and operations at multiple stages of production and packaging processes.

Please [contact Pro Pac](#) or call 888-318-0083 for your counting and inspection systems.