

Syntron® Parts Handling Solutions

Why Syntron® Parts Handling Equipment?

The answer is simple. If you have parts or products that need to be fed, singulated and oriented, Syntron® supplies solutions.

We manufacture a broad range of equipment to feed your parts from bulk storage to an oriented position, ready for further processing.

Through the efforts of our own representatives, we work hard to attack your specific application needs to provide the right solutions. We not only reduce your production costs, we improve your productivity.

Your production operation may require Syntron vibratory, rotary or elevating parts feeders. We welcome the opportunity to feed your product from bulk storage, through the singulation and orientation stage, to the point where the part is automatically assembled or transferred to a pick and place location. Syntron also provides products to release or transfer parts if desired.

Our selection of auxiliary equipment and accessories such as linear drives, hoppers and escapements are equally important in our ability to respond to your complete parts handling needs, no matter how simple or complex.



HCA Syntron designs innovative Syntron® parts handling solutions to increase your productivity.

If you haven't integrated Syntron parts handling equipment into your operation, call us to discuss how we can work together to boost your productivity as well as your profits.



Syntron® Parts Handling Equipment

The Growth of Parts Handling Technology

Six decades ago, Syntron® parts handling equipment began making its mark in automated assembly operations and production lines everywhere. Today, even after 70 years, Homer City Automation is still setting the pace, providing new technologies and solutions for simple to complex parts handling applications.

The Syntron Difference

HCA Syntron is driven by the needs of our customers. Because these needs are constantly changing, we invest heavily in our staff, manufacturing resources and research and development. And, through advanced engineering capabilities, we strive to maintain the most flexible equipment design available.

You Specify, We Deliver

Our approach to your application depends on your application needs. We offer quality standard products as well as customized products for every aspect of part storing, feeding, singulating and orienting.

If your application calls for a complex system and specifications dictate a belt elevator, vibratory feeder and linear take-away conveyor, we coordinate the production of the system and integrate all components from start to finish.

Or, where you have the ability to tool and assemble a parts feeder or system, we provide the components that you need to produce that system. We serve your specific equipment needs, including CE conformity if required.



Syntron® Rotary Orienting Feeder

Wide Ranging Industries

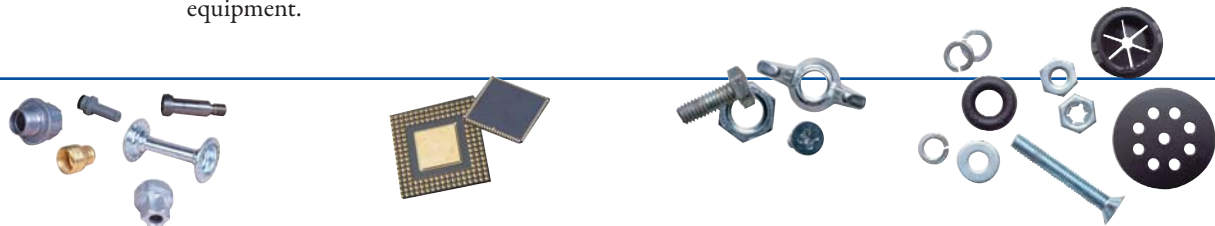
Syntron parts handling equipment is used in many different industries. The fastener, food, electronics, ordinance, automotive, packaging, pharmaceutical and plastic industries are just some of those we serve.

Bolts, tablets, connectors, capacitors and bullet casings, as well as parts that are small or large, light or heavy, simple or intricate are all handled with ease by our equipment.

Dedicated Industry Professionals

The only thing that rivals the quality of our equipment is the dedicated team of specialists that make Syntron the name that excels in the industry.

Professionals in research and development, engineering, application analysis, sales and manufacturing are ready to address your specific needs at any given time.





This bowl tooler makes a final adjustment to a vibratory parts feeder, built to singulate and feed caps to a gravity track.



Skilled Syntron® bowl toolers put years of specialized experience to work for our customers.



This rotary feeder, designed to singulate bolts, gets a final inspection from our quality control personnel.



Once final adjustments are made, an electrical test is conducted to assure correct voltage and amperage for designated electrical standards.

Our skilled craftsmen use their experience and knowledge to create a parts feeder that does the best job for you.

Total Quality And Safety

The sheer importance we place on providing safe products for our customers is unparalleled in the industry, as is our philosophy on total quality:

"Homer City Automation, the leader in parts handling technology provides our customers with high quality products and services, on time, through a progressive commitment to Total Quality."

This all transcends into the Syntron® distinction. The distinction that we offer you better technology, service, craftsmanship and quality than any other parts handling source.



Syntron® Parts Handling Systems

Working with the System

Once you've had the opportunity to explore our extensive line of parts handling products, you may question how these products can be linked together to form a parts handling system.

Grouping multiple products into a complete system is a common occurrence as well as an area of expertise for HCA Syntron engineering and manufacturing personnel.

This expertise is a result of working with parts handling equipment integration over many years. Our experience in designing and building parts handling systems enables us to understand your needs and provide you with the best system to achieve optimum performance.

For example, a typical system combines a belt elevator, rotary orienting feeder and linear belt conveyor for conveying correctly oriented parts. In this system, parts would feed from a bulk storage hopper via a cleated belt elevator to a rotary orienting feeder.

The parts would be singulated and oriented in the rotary feeder. All parts with acceptable orientations would discharge to the horizontal belt conveyor, sending the parts on to other processing points.

HCA Syntron also supplies a mounting table to support the system components and to assure proper discharge height.



Homer City Automation creates integrated Syntron® parts handling systems to simplify your parts handling process.



A group of Syntron vibratory parts feeders feed a variety of parts in precise orientation.

Master Controls

When we link our equipment together in a system, we supply a Syntron® designed-and-built master control to regulate each component.

Individual control components are housed in one box, making it convenient for the operator to control and adjust each piece of equipment from one location. These controls contain a single ON/OFF switch to initiate or terminate power to the system.

All controls are designed and built to N.E.C. specifications. Controls can also be designed and built to special customer specifications.

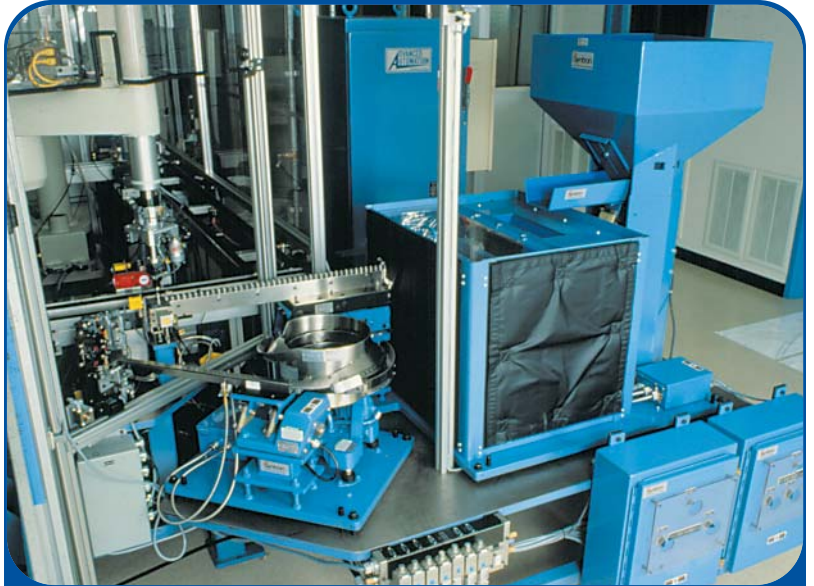
Master controls are convenient because the electrical connections to the external components are already united.

Numerous Configurations

HCA Syntron provides many parts handling systems and services. Let our staff evaluate your application to provide you with a complete, comprehensive system plan.



A Syntron® ROF feeder and linear drives form an integrated parts handling system.



Syntron parts handling systems are available in numerous configurations.

