

INDUSTRIAL MACHINERY

HOT FILL MACHINE

Hot Fill machines are custom built to your bottling and temperature specifications and can handle filling up to 16 bottles at a time.



BED BUG OVEN

PSA's bed bug ovens have been purchased for use in many hospital and care facilities across the United States.



DUNNAGE SORTER

PSA developed a robotic sorting machine to sort pallets and cardboard dunnage that was both robust and maintenance friendly.

HARDWARE SORTING & HANDLING

PSA designed and built an automatic clip staking machine to run up to 100 ppm and a threading system to thread up to 30 ppm.

BINDERY EQUIPMENT

PSA offers book stacker equipment to accurately stack perfect bound books and Tail Trimmer to cut overhanging stock from the edge of signature pages.

SANDWICH CRIMPING

PSA offers both continuous and indexing sandwich crimper machines for the food industry.

DRILL, PUNCH AND SAW EQUIPMENT

PSA's counter bore machine drills counter bored holes in artillery rounds and single and dual head drilling machines handle artillery round drilling.



PSA PARTNERS

Rexroth
Bosch Group

Rockwell Automation
Allen-Bradley

ABB

 **UNIVERSAL ROBOTS**

SIEMENS



Aston
1 Crozerville Road
Aston, PA 19014
(610) 358-0500

Duryea
201 Clark Road
Duryea, PA 18642
(570) 602-4200

www.psasystems.com

Aston
1 Crozerville Road
Aston, PA 19014
(610) 358-0500

Duryea
201 Clark Road
Duryea, PA 18642
(570) 602-4200

www.psasystems.com



INDUSTRIAL ROBOTICS



MATERIAL HANDLING

PSA routinely designs and builds material handling equipment and automated machines.



PICK & PLACE

Robotic Pick and Place Systems work at a high speed to transport product from one location to another.



PALLETIZER

PSA's robotic palletizer systems are engineered around a multi-axis robot using custom end-effectors to stack virtually any product with the capability option to simultaneously stack multiple pallets.



BOTTLE HANDLING/PACKING

PSA has designed various automated systems to handle diverting, packaging and palletizing of bottles for both the food and pharmaceutical industries.



MACHINE TENDING

PSA's robot solutions and services help manufacturers improve productivity, product quality and worker safety.



CUSTOM END-EFFECTORS

Good robots have steady hands. We have extensive experience in the design and manufacture of custom end effectors—the "hands" of a robot.



PSA Drive Solutions:

- Allen-Bradley Rockwell
- ABB
- Siemens
- Mitsubishi
- Toshiba
- Yaskawa
- Danfoss



DRIVE SYSTEMS

PSA is a complete drives Systems Integrator. We are industry leaders in providing PLC's, AC/DC Variable Speed Drives, Motion Control and HMI's. Reliable drive systems are key to a safe and efficient operation and can allow for increased production. PSA offers Drive Programming, Tuning and Optimization services for your existing equipment. We offer both turn-key sectionalized drive systems and single or multi-drive system upgrades. PSA has many years of experience programming, servicing and upgrading drive and motion control systems for paper, material handling and packaging equipment.

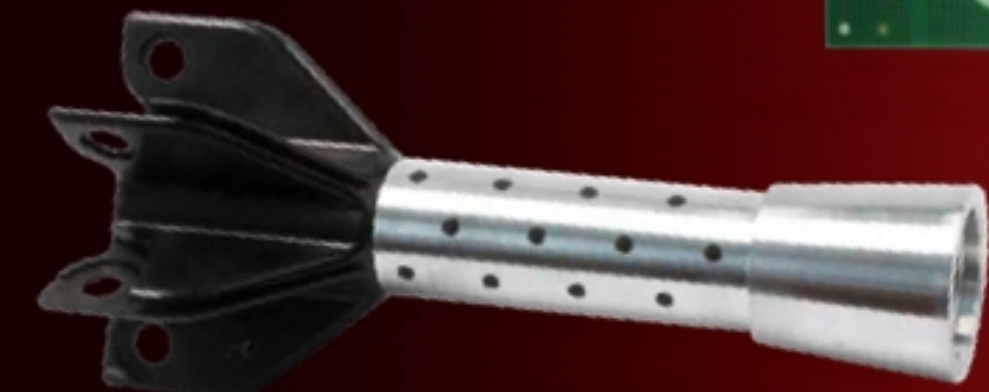
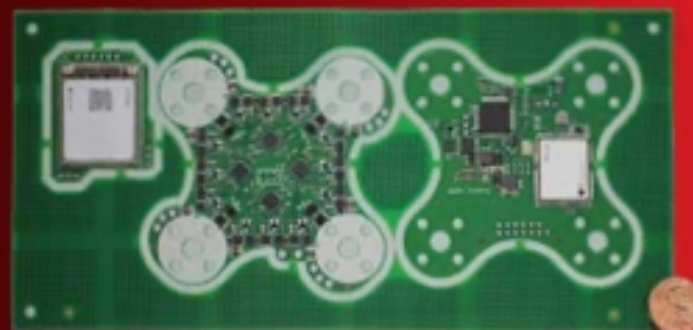
CONTROLS AND SAFETY

PSA can custom design a new controls or safety package for your equipment to allow implementation of the industry's latest PLC and safety systems and electrical controls technology. We are able to create custom operator interface HMI, control and operator panels for new or existing equipment. We can integrate PLC communication in order to provide drive, motion and safety process control. We also have engineers and technicians available to perform Total Machine Onsite Safety Validations and Safe Operator Access (SOA) evaluations.



MILITARY & INDUSTRIAL FABRICATION

In addition to robotics integration, PSA also specializes in developing products for the defense industry. PSA is contracted for service and military machining through the DOD and DOTC programs. Our team of engineers can design for manufacture, simplifying the design of hard-to-make parts and therefore bringing cost and lead times down. PSA also has a team dedicated to the design of embedded systems and printed circuit boards for use in defense systems, we can design and build rugged electronics that can survive harsh environments. Capabilities in the shop include 3, 4 and 5 axis machining, CNC and conventional machining and turning, waterjet, formed sheet metal, welding, additive manufacturing, composites fabrication/machining, and we're always expanding.



MACHINE DESIGN

PSA offers turnkey machinery design and fabrication. We employ engineers, designers and draftsmen who specialize in industrial machinery with Solidworks 3D modeling capability. We handle everything from conceptual design through fabrication and assembly to installation/training. We have experience designing and building machines for pulp and paper, foam, plastics, and food and beverage. All industrial machinery is designed and detailed using 3D modeling software and includes parts selection and shop drawings for welded and fabricated parts. We specialize in designing custom machinery to handle tough applications that are not readily available in the market.

