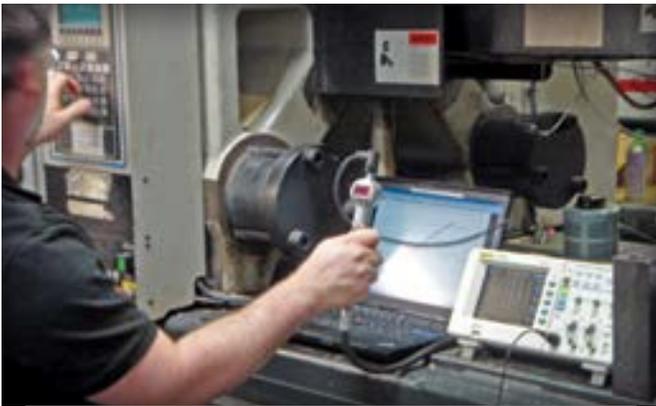


Cost reduction and process improvement

CPT is your value source solution for plastics processing.



CPT's veteran engineering and technical staff brings more than 100 years of plastics machinery experience to your specific challenge.

CPT will keep your existing machines productive with lower costs, shorter lead times for replacement parts, and control retrofits and hydraulic upgrades.

New servo hybrid injection machines and a complete line of robotics offer cost reduction and energy saving solutions, all backed by CPT service and expertise.



CINNATI PROCESS TECHNOLOGIES



CPT offers a full range of new, rebuilt, remanufactured, and new parts for virtually all plastics processing equipment.





Our products and services include:

CONTROL RETROFITS



The heart of any molding machine is the control system. Modern process controls reduce downtime and maintenance costs and provide better product quality, increased productivity and energy savings. As your solutions partner, CPT will identify improvement opportunities, formulate an optimal return-on-investment strategy and implement a control system solution that meets your specific operational needs, stays within your budget and minimizes costly down time.

SERVO HYBRID INJECTION MOLDING MACHINES

CPT is the North American distributor for new injection molding machines, 30 to 3500 ton, featuring energy and cost efficient servo motor pump drive systems manufactured by Asian Plastics (Taiwan). Product offerings include toggle, hydraulic clamp, two-platen and multi-component machines. Start-up, training, service and parts are handled locally through CPT service techs.

REPLACEMENT PARTS, BARRELS AND SCREWS

CPT addresses the challenge of sustaining older existing machines by offering affordable parts solutions including new, remanufactured, exchanged or part retrofits. New, rebuilt or repaired barrels, feed screws and screw tips for any make or model of injection molding machine with special designs and metallurgy enable molders to cut cycle time, improve part quality and solve wear issues all at an affordable cost.



ROBOTICS AND AUTOMATION

CPT is the North American sales and service representative for WE-Technology Automation Co. Established in 1986, WETEC is a global producer of leading robotics and control systems for the injection molding industry. Our product line includes part extracting, insert loading and material handling robots, sprue pickers, PET cooling, and in-mold labeling systems designed to improve efficiency and reduce labor by precisely performing repetitive tasks.

TECHNICAL SERVICE

With more than a century of plastics machinery experience, CPT's technical staff will solve your most difficult machine problems in a timely, affordable and professional manner. Our service engineers can also provide in-depth training and troubleshooting procedures so your maintenance staff can efficiently resolve problems without a service call.

CALIBRATION AND VERIFICATION

CPT will perform a comprehensive machine validation and calibration which will re-establish your machine's capability per the original OEM standards. This process can provide cycle time reductions, improved repeatability and energy savings. It also meets machine validation requirements required by many end user markets and provides a means of calibration verification traceable to the National Institute of Standards and Technology (NIST).

HYDRAULIC SYSTEMS UPGRADES

CPT's technicians specialize in plastics processing machinery. We'll analyze your hydraulic system and recommend improvements to optimize machine performance by reducing cycle time, improving repeatability and accuracy, and replacing obsolete components.



Identify, reduce and control your energy costs

You can't control the price of energy, but you can reduce costs by taking control of how much energy your plant uses. CPT's energy audits focus on primary processing and overall plant equipment down to individual machine operation. Our comprehensive energy-saving solutions include energy monitoring, water systems management, heat loss prevention, nozzle leak detection and lighting optimization.



Energy Monitoring

CPT's Energy Spy is a cost efficient, plant-wide energy monitoring system that tracks real-time electricity usage, peak demand and power factor. Energy Spy can reduce electric costs by alerting plant staff to peak demand levels and poor power factor while helping to identify the root cause during all phases of your operation.

Variable Frequency Drive Applications

The variable speed drive adjusts water pump speed to changing flow and pressure for mold and system cooling and can reduce energy demand by up to 50 percent compared to conventional pump systems. Similar drive systems can optimize machine motor speeds to match actual process demand, realizing up to 70% in energy savings.

Heat Loss Prevention

CPT offers several heat loss solutions for injection molding, blow molding and structural foam molding machines. Reducing heat loss into the ambient air of the plant and using less energy for heater bands usually nets a positive ROI within one year.

Nozzle Leak Detection

Plastic leaks at the nozzle tip can waste material and energy. CPT's nozzle leak detectors alert plant personnel to leaks that not only prove costly, but can pose a fire risk as well. Our nozzle leak detectors operate in high-temperature environments (up to 700°F), eliminate costly heater band and thermocouple replacement and are ideal for unattended operation and large machines with an obstructed view of the nozzle area.

Lighting Optimization

CPT understands the value of good lighting to plastics molders. Poorly lit working conditions can lower employee productivity, raise energy costs and compromise quality. Replacing your old existing fixtures with energy efficient fluorescent fixtures can improve employee morale and performance, enhance color rendering, reduce ambient temperature, and lower maintenance and electric costs. Utility rebates and tax incentives will produce a very attractive ROI, making this an easy decision.



CPT is your single-source solution for optimizing processing efficiencies, reducing cost-to-manufacture, maximizing profitability and increasing competitiveness. Call us today for more information.



CINCINNATI PROCESS TECHNOLOGIES
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