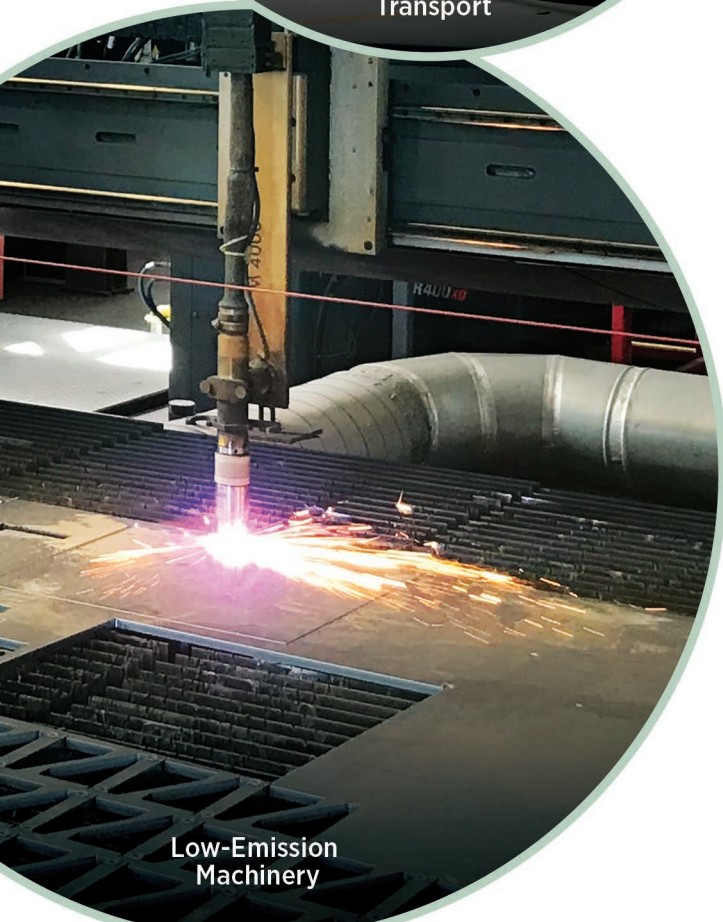




Solar Reflective Roofing



CARB Compliant Transport



Low-Emission Machinery

# **AGSE**

green initiatives

*Reducing our carbon footprint for a cleaner and greener planet.*

# An Energy-Saving Operation

## DOING THE HEAVY LIFTING

Forklifts and transport vehicles are on the move every day at AGSE facilities in Santa Fe Springs and Cincinnati. Optimizing their productivity and safety is one of our most critical green initiatives.

- More zero-emission electric powered forklifts have been adopted
- Cleaner-burning propane engines power heavy-duty forklifts
- Diesel flatbed trucks meet the emissions regulations issued by the California Air Resources Board (CARB) and the Ohio EPA
- Reusable shipping containers transport parts and products between AGSE offices

### TECH TALK

AGSE's heavy-duty ICE forklifts are mainly propane powered and compliant with the low emission standards established by the EPA.



Electric Forklift

## BUILDING BETTER

AGSE production facilities in California and Thailand employ the latest TIG and GMAW welding technologies available, thereby helping us manufacture superior products through more eco-friendly processes.

- Precise and adjustable weld bead capability delivers stronger, cleaner welds
- Alternate current is converted to a lower usable voltage output

### TECH TALK

We use welding machines that reduce energy by up to 29 amperes for each unit when operating at a load input of 460 volts with a frequency of 60 hertz.



Working with a TIG Inverter Welding Machine

### TECH TALK

Our plasma table's fully recyclable power supply delivers a minimum efficiency rating of 90% and can cycle up to 98%.

## A CUT ABOVE THE REST

A significant part of AGSE's manufacturing process incorporates a plasma table and waterjet system to precisely cut every steel, plastic, and rubber component. We use an advanced CNC Plasma Cutting Table that runs on a fully recyclable plasma power supply and includes a sophisticated HEPA filtering system to safely capture at least 99.97% of residual gases and aerosols.

Our waterjet machine not only operates at low electrical and abrasive consumption rates but also minimizes noise pollution to less than 80 decibels when operating in submerged cutting modes.



Waterjet Cutting System

# Accomplishing More With Less

## SHINING BRIGHTER WITH ECO-FRIENDLY LIGHTING

At AGSE's Santa Fe Springs headquarters, we removed and recycled, per EPA guidelines, over 2,400 fluorescent lamps and replaced them with DLC certified, energy-efficient LED tube lights.

Our Ohio Tooling Division office is lit by dimmable, DLC certified LED panels that deliver remarkable longevity. In the warehouse, we have transitioned from metal-halide lamps to fluorescents with reduced mercury.



LED Tube Lights in Santa Fe Springs

### TECH TALK

We use LED tube lights certified by the DesignLights Consortium® (DLC). They are rated to last up to 20,000 hours longer than fluorescents, use less energy, and shine at 1,000 lumens brighter.

### DID YOU KNOW?

TPO is an acronym for White Thermoplastic Membrane and is a 100% recyclable material that meets and often exceeds ENERGY STAR® specifications.

The EPA's ENERGY STAR certification program has established energy efficiency standards for over 75 product and infrastructure categories.

SEER is an acronym for Seasonal Energy Efficiency Ratio. It's the ratio of the cooling output of an AC unit over a typical cooling season divided by the energy it uses in watt-hours.

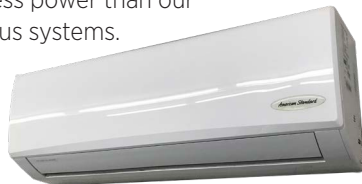
## EFFICIENCY THROUGH THE ROOF

Both our headquarters and Tooling Division building are protected by sunlight reflecting roofs that help reduce air conditioning usage by maintaining cooler interior building temperatures.

- The Ohio facility is covered by a TPO Roofing System that dissipates heat
- Headquarters is compliant with the green design and life safety guidelines of the California Building Standard Code (or Title 24) for all structural, mechanical, and electrical systems

## KEEPING OUR COOL

Our headquarters utilize the latest single and multi-zone air conditioning systems that have a minimum SEER rating of 15. These energy-saving units consume over 30% less power than our previous systems.



Single Zone A/C Unit

## GREENER COMPUTING

Over 60 certified ENERGY STAR® computers are used by our production, engineering, and operations teams, as well as by employees of our sister companies. In comparison to non-certified models, these workstations expend up to 65% less energy, use simple low voltage power without the need for battery backup, and can operate efficiently in multiple power-saving modes.



Production Facility Workstation



Fan with Timer on Workstation

## EASING UP AS THE GRID HEATS UP

Starting every workday early is more than just good business, it's good for the grid. Our schedule avoids the peak energy usage period of 4pm to 9pm when demand can exceed supply, especially during the hot summer months.

## SMART AUTOMATION

At our 135,000 square foot production facility, sensors and timers help reduce energy consumption by automatically powering down workstation appliances during off-hours or when not in use.

# Reduce, Reuse, Recycle

## DELIVERING VALUE ABOVE & BEYOND

From Engine Stands to Pedestal Sets, AGSE products are built with high quality low-carbon steel using cold-working processes. This ensures that our GSE & Tooling is 100% recyclable and can be repurposed into other durable and sustainable items after their long-lasting service.

### TECH TALK

The steel used in our GSE & Tooling contains less than 0.30% of carbon.



Recyclable Lifting Fixture, Pedestal Set & Engine Stand



Color-Coded Pitch Containers

## A TIRELESS EFFORT

AGSE's comprehensive recycling initiative ensures our operation remains eco-friendly from product inception through outbound shipment.

- Residual metals and plastics are properly recycled or repurposed
- Color-coded on-site pitch containers are distributed throughout all work areas to better facilitate collection
- Printed documents are collected, shredded, and reprocessed into new paper products
- Every year, up to 320 cubic yards of wood crating is converted into wood chips for landscaping and soil applications

*AGSE is actively adopting eco-friendly manufacturing and energy-saving technologies to significantly reduce its energy and consumption footprints. As we move forward, our operation will continue to evolve with the adoption of leaner and cleaner processes.*