



PEAK

Launching the Next Generation
of Manufacturing Technology

Forming

(Thermal, Pressure, and Vacuum)

Max Part Size: 72" L x
48" W x 30" D

Equipment: 2
vacuum/pressure
forming machines,
custom thermal
bending fixtures

Materials: ABS, HDPE,
Acrylic, Polycarbonate,
PVC, and more

In-House Capabilities:
Mold making,
trimming, polishing,
assembly



Overview

OEMs and engineers often require formed plastic parts—such as covers, enclosures, or panels—that demand tight tolerances, structural integrity, and visual quality. However, many forming vendors lack the in-house tooling capabilities, material expertise, or dimensional control needed to deliver complex parts consistently. Deep draws, intricate geometries, or large-scale

components are especially vulnerable to warping, variation, or inconsistent finish. Peak's customers need a forming partner that can handle the full lifecycle: from mold design and material selection to forming, trimming, and finishing—all in-house.

Solution

Peak Technology offers precision vacuum, pressure, and thermoforming services, supported by in-house mold and fixture production. Our machines accommodate large, deep-draw parts up to 72" long x 48" wide x 30" deep, with forming techniques tailored to the material and application. Whether forming optical-grade plastics, impact-resistant panels, or temperature-sensitive parts, our team ensures each component meets tight dimensional and aesthetic standards.

- **In-House Mold & Fixture Fabrication** – Faster lead times, better quality control, and reduced risk from outsourced tooling.
- **Vacuum & Pressure Forming Capacity** – Supports large, deep-draw parts with consistent wall thickness and form stability.
- **Thermal Bending for Custom Profiles** – Precise, stress-minimized hot bending for curved or angled components.
- **Post-Forming Finishing** – CNC trimming, polishing, and assembly performed in-house for seamless integration.

Peak Technology Enterprises is a woman-owned precision manufacturing company based in San Jose, CA, offering **additive** and **subtractive** manufacturing, engineering support, system integration, and full assembly services. With over **60 years of experience** and **ISO 9001 certification**, Peak partners with **global OEMs** and innovators to deliver high-performance components and complex builds—on time, on spec, and on budget.

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