

High-Speed Waterjet Cutting and Fabrication of Armor Products

Advanced Cutting and Assembly Services

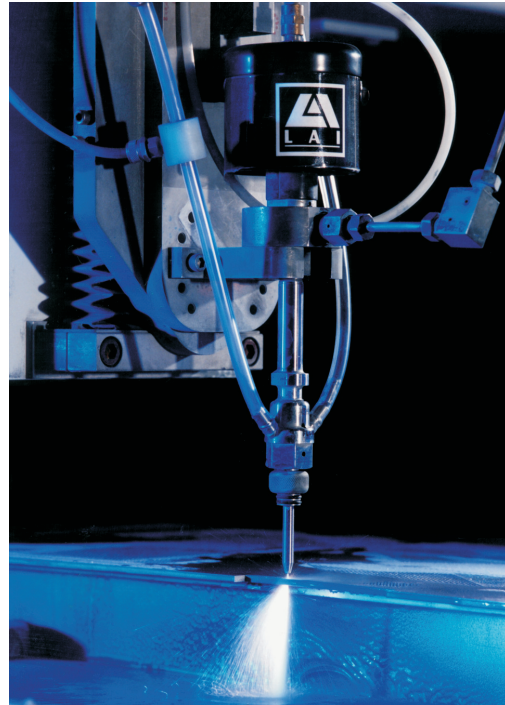
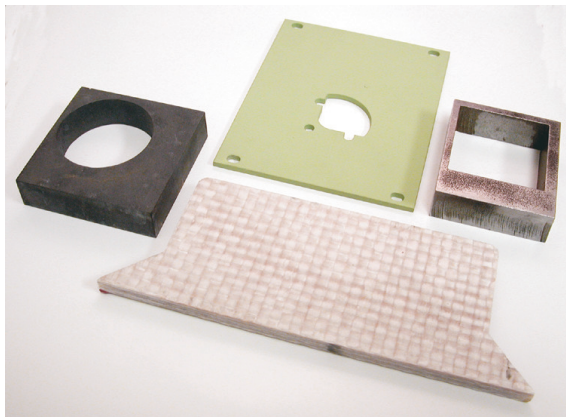
INNOVATIVE SOLUTIONS FOR ARMOR PROCESSING

LAI International is a certified supplier to many leading armor manufacturers and provides value-added services for armor products designed for personnel, vehicles and aircraft.

LAI's advanced waterjet machining services include high-speed abrasive waterjet cutting, precision waterjet drilling and five-axis waterjet trimming.

Waterjet machining offers unlimited, omni-directional cutting of all shapes, and is a superior method of processing armor materials, compared to thermal cutting methods.

- No heat-affected zone
- Elimination of need for secondary processing of slag
- Superior surface for welding
- Edge finishes as smooth as 125 RMS
- Quick cutting of curves, corners and holes



THE LAI ADVANTAGE

LAI is an experienced service provider for armor manufacturers:

- Certified supplier to leading armor products companies
- Largest waterjet cutting capacity in the United States
- Four regional U.S. manufacturing facilities
- Some of largest waterjet cutting tables in the United States
- All four LAI production facilities certified to ISO 9001:2008 and AS9100

LAI provides complete armor sub-assemblies:

- In-house fabrication services, including bending, part marking, riveting and hardware installation
- Assembly stations for high-volume production
- Supply chain management of forming, rolling, finish coating, painting and other secondary processes
- Raw material acquisition
- Special packaging and kitting of parts
- Tooling design and development



LAI International
WORLDWIDE SERVICES

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Armor Cutting Experts. LAI International.



ARMOR PRODUCTS MANUFACTURED

LAI combines its core expertise—precision cutting—with secondary processes to provide a large variety of finished sub-assemblies for its customers.

Vehicle armor

- Armor upgrade kit components
- Ballistic shields
- Close-out panels
- Door assemblies
- Full sections of armor plate

Aircraft armor

- Cabin armor components
- Crew seats, five-axis waterjet trimmed
- Floor armor components

Body armor

- Helmets, five-axis waterjet trimmed
- Insert plates, five-axis waterjet trimmed
- Small Arms Protective Inserts (SAPI)

ARMOR MATERIALS PROCESSED

Metal armor

- Aluminum, high-strength alloy plate
- Armor steel plate, high-hard steel
- Cast single plate
- Rolled homogenous armor
- Stainless steel, welded
- Titanium plate

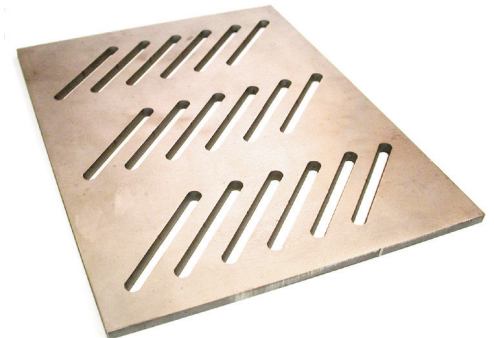
Composites and additional materials

- Applique armor
- Carbon fiber
- Fiberglass
- GPO
- Kevlar
- Phenolic

ADVANCED CUTTING PROCESSES

In addition to cutting nested patterns in flat sheets of material, LAI is a leading expert in advanced waterjet machining, including five-axis cutting and trimming.

- Angled slots
- Beveled edges
- Contoured surfaces
- Drilling of off-axis holes
- Louvered configurations
- Patterned designs
- Three-dimensional features



LAI International
WORLDWIDE SERVICES



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