

Production Equipment

ACP Composites' state-of-the-art production facility spans 33,000 square feet and features the equipment essential to an advanced composites manufacturing company. Some fundamental pieces of equipment include:

AUTOCLAVES

ASC Autoclave

5 ft. diameter x 25 ft. | 100 PSI
350°F max. temp.

Autoclave

4 ft. dia. x 8 ft. | 250 PSI
350°F max. temp.

Autoclave

3 ft. dia. x 5 ft. | 150 PSI
250°F max. temp.

PRESSES

Heated Laminating Press

5 ft. x 10 ft. | 3 openings | 80 PSI
350°F max. temp.

Heated Laminating Press

5 ft. x 10 ft. | 2 openings | 80 PSI
350°F max. temp.

Bladder Press

2 ft. x 4ft. | 60 PSI
350°F max. temp.

Heated Laminating Press

2 ft. x 2 ft. | 60 PSI
350°F max. temp.

Heated Laminating Press

2 ft. x 2 ft. | 60 PSI
350°F max. temp.

OVENS

Heavy Duty Walk-in Oven

6 ft. x 8 ft. x 16 ft. | 650°F max. temp.

Curing Oven

4 ft. x 4 ft. x 2 ft. | 450°F max. temp.

Curing Oven

4 ft. x 4 ft. x 2 ft. | 400°F max. temp.

Curing Oven

6 ft. x 6 ft. x 8 ft. | 450°F max. temp.

Curing Oven

6 ft. x 8 ft. x 16 ft. | 450°F max. temp.

Curing Oven

4 ft. x 4 ft. x 2 ft. | 450°F max. temp.

Curing Oven

10 ft. x 8 ft. x 8 ft. | 500°F max. temp.

Gas Curing Oven

9 ft. x 6 ft. x 8 ft. | 500°F max. temp.

Curing Oven

2 ft. x 2 ft. x 4 ft. | 600°F max. temp.

LASER PROJECTION SYSTEMS

Virtek Laser Edge Projection Systems (4)

Position accuracy of $\pm .015"$ | 80° field of view

CUTTERS

Computerized Ply Cutter

55 in. x 20 ft. Table | $\pm .015"$ cut accuracy
60 in./sec. max. gantry speed

Heavy Duty Sheeter

60 in. max. width | Electric controls

SmartSlitter

Fabric Roll Slitter + Rewinder
74 in. max. roll width | 11 in. max. roll OD

This equipment list features fundamental pieces of equipment used in composite manufacturing and is not exclusive. Please contact us with any questions or for additional information regarding ACP Composites facility, equipment or capabilities.

Composite Machining

Our shop offers a number of composite machining options — including CNC machining centers, mills, lathes, grinders, routers and more.

CMS Ares 5 Axis Machining Center

5-Axis | 5 ft. W x 15 ft. L x 4ft. Z
± .003" accuracy

Bridgeport Series II Mill

4-Axis

C.R. Onsrud CNC Router

3-Axis | 5 ft. W x 10 ft. L x 10 in. Z
± .002" accuracy
NEMI Vacuum Grid Table Fixturing

Lathe

36"

C.R. Onsrud CNC Router

4-Axis | 5 ft. W x 12 ft. L x 6 in. Z
± .004" accuracy

MIG and TIG Welders

Sanders, Grinders, Drills and Saws

Inspection & Testing

Our quality inspection center is equipped with calibrated gauging equipment used in production and inspection.

ROMER Absolute Arm™

3 ft. Arm | ± .001" accuracy
Hexagon Metrology Software
Integrated RS4 Laser Scanner

Granite Surface Plates

Coordinate Measuring Machine

24 in. x 48 in. | Z-Axis ± .00005" accuracy
X-Axis & Y-Axis ± .0001" accuracy
Nikon Metrology Software

Large Variety of Calibrated Measuring Devices

X-Ray Inspection Cabinet

24 in. x 24 in. | Real-time imaging
100KW with CMP 200DR 50KV console

Freezer Storage

ACP Composites' temperature-sensitive materials, such as prepregs and film adhesives, are kept in our on-site freezers which are equipped with real-time temperature tracking recorders

Prepreg Freezer Storage (3)

8,000 ft³ | 0°F storage | Real-time temperature tracking

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