



Plastic Sheets



Plastic Finishes



Plastic Fabrication

Discover the World of Acrylic



UVPLASTIC

Acrylic Sheet (UVFA)

www.uvplastic.com

ABOUT UVPASTIC

2003

Founding Time

35

Staffs

30+

Countries

560+

Clients

12+

Millions

WHO WE ARE

UVPLASTIC Material Technology Co., Ltd is a *ONE-STOP SUPPLIER* and *INTEGRATED SOLUTION PROVIDER* in the plastic field, established in 2003 at Suzhou, China. After many years of continuous effort, the company has grown to be a leading supplier of

Polycarbonate Sheet;

Acrylic Sheets;

Plastic Fabrication Services;

OEM & ODM Services;

Today, UVPLASTIC is active in architecture & construction, agriculture, medical industry, auto industry, security industry, electronic industry, POP display, optical industry, and industrial fabrication, etc.

COOPERATION PARTNER



WHY UVPLASTIC

One-Stop Supplier



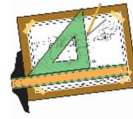
UVPLASTIC is a one-stop supplier of polycarbonate and acrylic sheets in all forms. Meantime, we offer the complete system for the greenhouse, building roof, and facade system.

Strong Fabrication Capacity



UVPLASTIC offers integrated fabrication solution for polycarbonate and acrylic sheets including cutting, bending, drilling, milling, carving, thermoforming, injection molding, and coating.

Design and Development

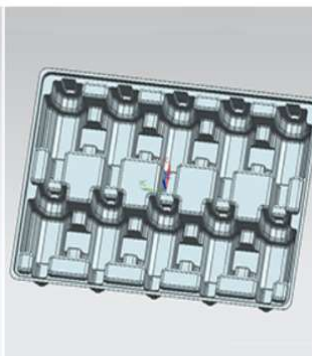
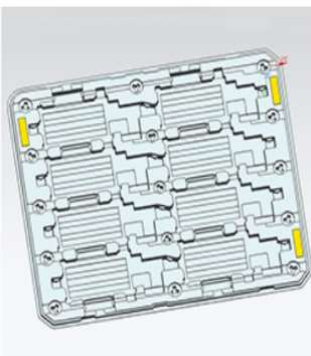
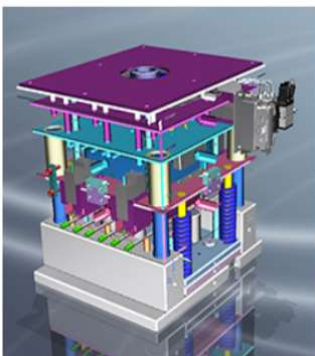
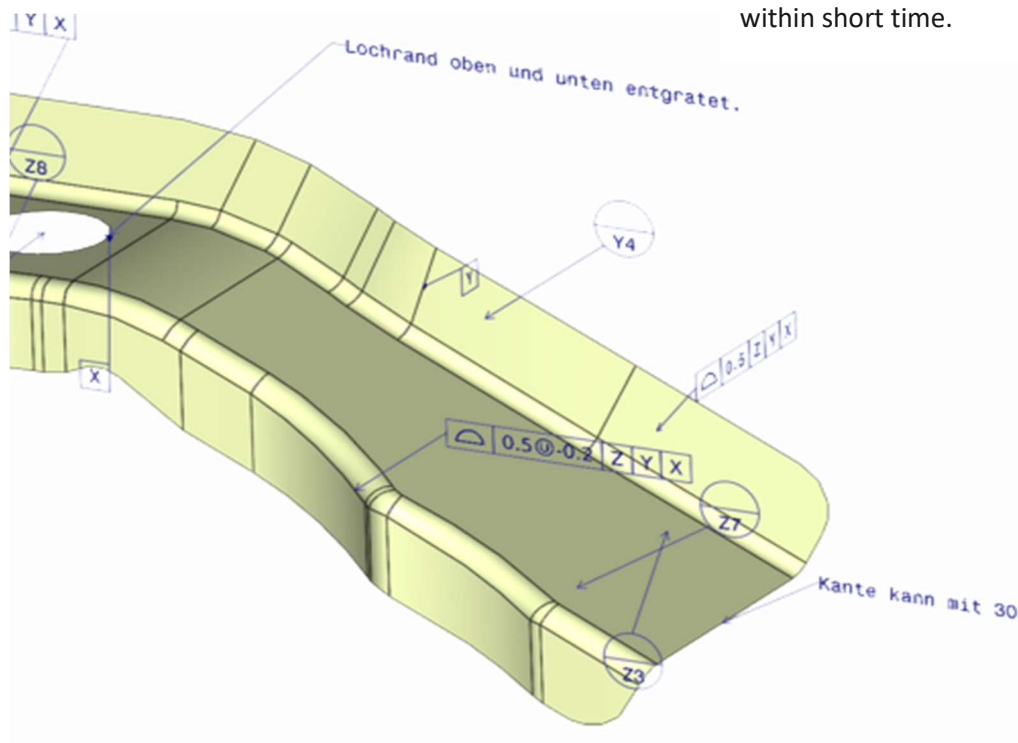


With assistance from CAD, Solidworks, CATIA, and UG, UVPLASTIC works with global engineers to discuss product feasibility and find the best solution for the projects.

Custom Fabrication



With more than 15 years of experience and high efficient working style, UVPLASTIC can build the prototype fastly and will make customer's ideas come true within short time.



Polycarbonate

Solid Polycarbonate sheet;
Multi Wall Polycarbonate Sheet;
Polycarbonate Film;
Hard Coated Polycarbonate Sheet;
Corrugated Polycarbonate Sheet;
ESD Polycarbonate Sheet;
Polycarbonate Diffuser Sheet;
V0 Flame Retardant Polycarbonate;

Acrylic

Cast acrylic sheet;
Extruded Acrylic Sheet;
Colored Acrylic Sheet;
ESD Acrylic Sheet;
Coated Acrylic Sheet;
Non glare Acrylic Sheet;
Scratch Resistant Acrylic Sheet;
Acrylic Mirror Sheet;

Plastic Fabrication Service

Plastic Cut To Size;
Edge Finishing;
Plastic Bending;
Surface Finishing;
Thermoforming;
Screen/Digital printing

OEM & ODM

Riot Shield;
Chair Mat;
Clear Kayak;
Plastic Dome;
Polycarbonate Bubble Tent;
Acrylic Display;
Acrylic Furniture;

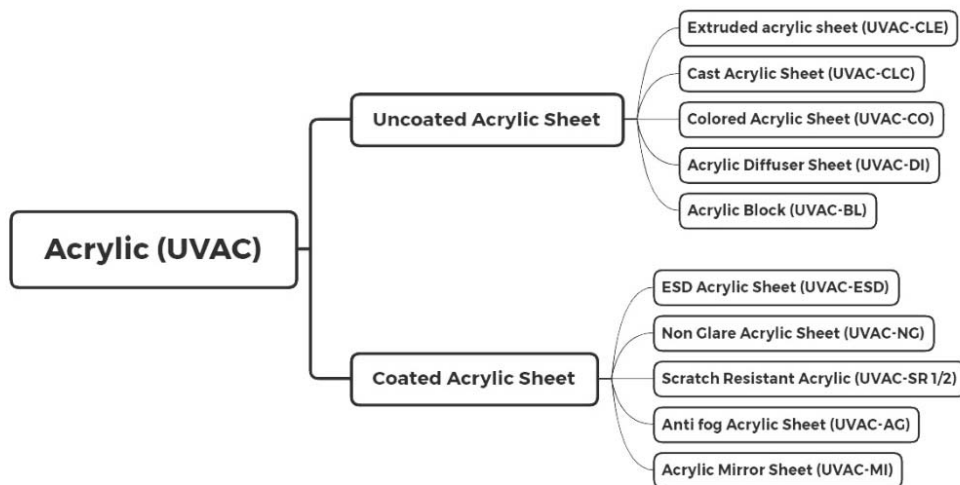


Acrylic Sheet (UVAC)

UVAC is the family code of UVPLASTIC Acrylic Sheets including uncoated acrylic sheets and coated acrylic sheets. They totally meet the existing standards including ISO 7823, some people call it PMMA sheet. It offers excellent optical property, lightweight, good surface hardness, high stability, outstanding formability. UVAC Acrylic Sheet is the best material for display shelves, display case, and stand, LED sign, lighting fixture diffuser, building glass, decorative paneling, aquarium, acrylic shower wall, Acrylic container, and acrylic awards, etc.

Product Range

UVPLASTIC ACRYLIC SHEETS LIST



Uncoated Acrylic

Model	Product Name	Thickness Range
UVAC-CLE	Extruded Acrylic Sheet	From 1 mm to 6 mm.
UVAC-CLC	Cast acrylic/PMMA sheets	From 2mm to 50mm
UVAC-CO	Colored Acrylic Sheet	From 1mm to 50mm

UVAC-DI	Acrylic Diffuser Sheet	From 1mm to 50mm
UVAC-BL	Acrylic Block	From 51mm to 250mm

Custom PMMA sheets are available.

Coated Acrylic

Model	Description	Thickness Range
UVAC-ESD	ESD Acrylic Sheet	From 2mm to 20mm
UVAC-NG	Non Glare Acrylic Sheet	From 2mm to 20mm
UVAC-SR	Scratch Resistant Acrylic Sheet	From 2mm to 20mm
UVAC-AG	Anti Fog Acrylic Sheet	From 2mm to 20mm
UVAC-MI	Acrylic Mirror Sheet	From 1mm to 20mm

Custom PMMA sheets are available.

Standard Dimensions

Model	Name	L x W 1x2 m	L x W 1.22x2.44 m	L x W 3x2 m
UVAC-CLE	Clear Extruded PMMA Sheets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UVAC-CLC	Clear Cast PMMA Sheets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UVAC-CO	Colored Acrylic Sheet		<input type="radio"/>	<input type="radio"/>
UVAC-DI	Acrylic Diffuser Sheet		<input type="radio"/>	
UVAC-BL	Acrylic Block	Custom Size		
CUVAC-ESD	ESD Acrylic Sheet		<input type="radio"/>	
UVAC-NG	Non glare Acrylic Sheet		<input type="radio"/>	
UVAC-SR	Scratch resistant Acrylic Sheet		<input type="radio"/>	

UVAC-AG	Anti fogging Acrylic Sheet	<input type="radio"/>
UVAC-AF	Anti fingerprint Acrylic Sheet	<input type="radio"/>
UVAC-MI	Acrylic Mirror Sheet	<input type="radio"/>

Customized Size and cut to size services are available.

Physical Properties

Properties	Unit	Value
Density (clear acrylic)	g/cm ³	1.19
Tensile Strength	Mpa	>70
Modulus of elasticity in Tension	Mpa	>3000
Tensile Strain	%	>4
Flexural strength	Mpa	100 to 115
Charpy impact strength (unnotched)	kJ/m ²	>17
Vicat softening temperature	°C	>105
Dimensional change on heating (shrinkage)	%	<2.5
Total luminous transmittance	%	>90
Rockwell hardness		100 to 115
Linear expansion coefficient	K ⁻¹	7x10 ⁻⁵
Temperature of deflection under load	°C	95 to 100
Light transmittance	%	>90
Haze	%	0.5 to 1
Refractive index	1.49	

Colors

Transparent Colors

Transparent Colors



Transparent Colors with Fluorescence



Translucent

Translucence Colors



Opaque

Opaque Colors



Main Features

1. Safety

UVAC Acrylic Sheet offers 25 times impact resistance higher than glass. It will break into large pieces if it subject to a higher impact than limitation. Therefore, it is an ideal substitute for building safety glazing.

2. Excellent Weatherability

Uncoated Acrylic Sheet or PMMA sheet has outstanding weather ability than other plastic including polycarbonate sheets, although it offers good weather ability with UV protective layer, the cost will be higher.

It withstands exposure to sunshine, humid, sudden temperature changes, extreme cold, and other hard condition. Therefore, UVAC Acrylic Sheet is a suitable material for the dome for building skylight, outdoor signs, etc.

3. Light Weight

The density of $1.19\text{cm}^3/\text{g}$, it is the half weight of glass and 44% weight of aluminum. It helps to reduce the cost of support frames.

4. Rigid surface

UVAC Acrylic Sheet offers a more rigid surface than polycarbonate sheet, acetate, vinyl. The more rigid surface is available with the coating layer.

5. Heat Resistance

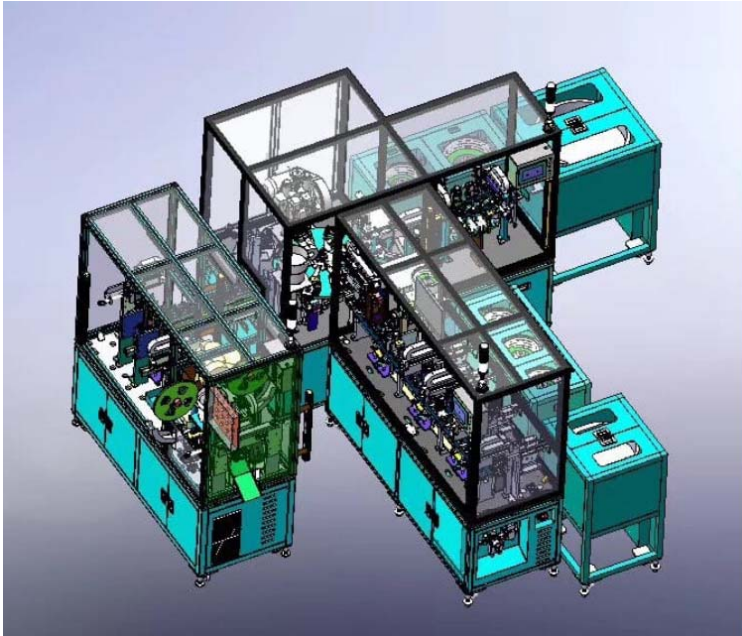
UVAC Acrylic Sheet or PMMA sheet can be used from -40°C to 93°C .

Application

Acrylic Aquarium and Fish Tank



Acrylic Machine Guards



Acrylic Shield



Acrylic POP Display



Acrylic Office Supplies



Acrylic Gift Case



Acrylic Display Case



Acrylic Dome



Acrylic hemisphere



AND MORE...



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