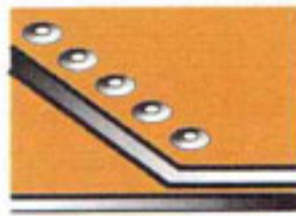


ALCOMAXX panel is very easy to process. All cutting, milling, planing, slotting, side-folding and curving can be easily fulfilled by simple tools used for processing timber and metal. It can be shaped into various shapes, such as curve, reserved curve, corner and sharp curve, according to requirements of building design. It is incomparable to other decorating materials.



Normal aluminum product processing machinery and wood product processing machinery can be used for processing of **ALCOMAXX** panel without special device.



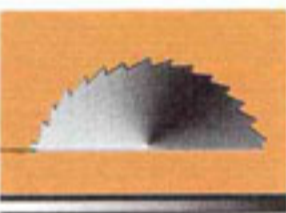
Riveting

Countersunk rivet can realize easy joint from one direction



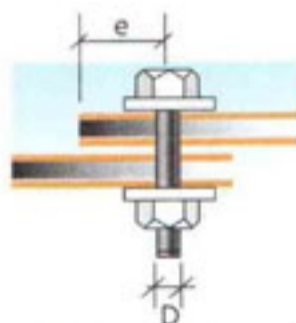
Welding

Sample conditions of gas protected welding:
 Welding temperature: 230-240°C
 Pressure of air compressor: 0.3-0.4kg/cm²
 Pressing pressure: 1.0-1.5kg
 Welding speed: 1000m/min



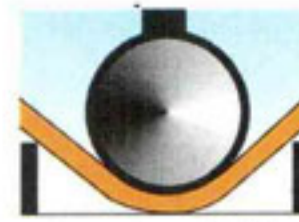
Cutting

It can be easily processed with wood product processing saw and plate saw. It is recommended to use hard alloy blade



Bolting

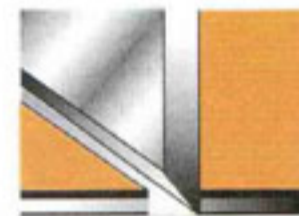
Considering from deformation limit, formul $e \geq 2D$ is the best calculation way of aperture D and distance(e) from hole center to plate end.



Bending

When plate folder is used to finish the **ALCOMAXX** panel, dies shall be placed on with appropriate radius. And the required parameters of **ALCOMAXX** panel is showed as below:

Thickness of ALCOMAXX panel (mm)	Vertical Cross	
3	65	55
4	75	55
6	90	80



Shearing

Gantry shearing machine is most effective for processing of large quantity **ALCOMAXX** panel, and burrs are possible at the cutting place. Appropriate gap and inclination are showed as below:

Thickness of ALCOMAXX panel (mm)	Gap	Inclination
3	0.04	1°
4	0.04	1° 30'
6	0.2	2° 30'



Glueing

Excellent cohesion can be achieved even when using special adhesives or elastomeric polyurethane of one component.

