GLASS

Transparent material cutting module

The ultimate solution for glass and sapphire cutting

Compact and easy to use, GLASS module is the ultimate solution for industrial transparent and brittle material cutting. Based on Amplitude’s patented FemtoGlass™, GLASS uses a non-ablative femtosecond process providing the best cutting quality and speed available on the market.

Optimized for Amplitude ultrafast industrial lasers, GLASS module takes advantage of femtosecond pulses to achieve low roughness and preserve material strength. The innovative technology allows for processing of a large range of materials and shapes.

Applications
- Industry:
  - Microelectronics
  - Micromachining

Medical:
- Medical Device Manufacturing

Key Features
- Tempered, non-tempered, multilayer glass and sapphire processing
- No chipping and low Ra
- High speed cutting
- Control crack orientation for curve-cutting
- Patent pending technology
- Easy to integrate, control and align
## Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>GLASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Tempered glass, non-tempered glass, Sapphire, Quartz, multi-layer material</td>
</tr>
<tr>
<td>Shapes</td>
<td>Line, curve, closed shapes</td>
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<tr>
<td>Cutting Speed*</td>
<td>Up to 5 m/s</td>
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<tr>
<td>Average Roughness (Ra)*</td>
<td>Down to 0.2 μm</td>
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<tr>
<td>Material Thickness*</td>
<td>Power diagnosis during the process</td>
</tr>
<tr>
<td>Power Measurement*</td>
<td>From 0 to 50 W</td>
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</tbody>
</table>

* Depends on material and laser - other specifications upon request

## Utilities

| Dimensions               | 27 x 23 x 8 cm |

## Compatibility

Satsuma  
Tangor  
Yuja

amplitude-laser.com