

# MATSUNAMI's Technology (12 times in total)

## Episode 3 : Glass Edge Processing



We have many types of cutting technology.

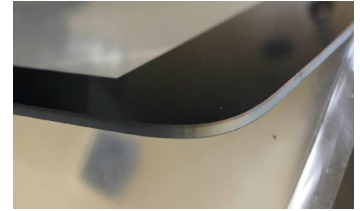
**Glass Edge Processing** is a technology that precisely processes the cut surface, thread surface (ridge line) and corners of glass. This important technology will help improving the accuracy of external dimensions and improving the strength of glass.

Not only glass material, We are also available to handle different types of materials. Please feel free to reach us.

We would like to introduce this unique technology.

We own many types of "end face precision grinding machines".

With **CNC control**, it is possible to machine the end face of a free-form surface with the dimensions and shape specified by the customer.



### Features

- Available with various thicknesses.
- Straight cutting for sure! We also handle irregular shape and drilling with holes.
- Stable quality and stable production are possible with our automated production line.
- **One-stop solution** from material purchasing to final products.
- Regarding the **end face shape (thread surface, corner)**, it is possible to process it into the shape customer requested.
- We will undertake the processing of materials other than glass after further discussion.

### Technology&Equipment

**[Examples]**

- Vehicle Front display (CID, cluster, etc.)
- Flat panel displays Use (LCD, organic EL, touch panels, etc.)
- Cover glass / filter glass for image-related products such as cameras and sensors (image sensors, IR, UV, and other optical filters)

<Double edging line>



<1-axis CNC machine>



<2-axis CNC>



<3-axis CNC>



<10-axis CNC>



### Processing Size Details

	Straight edging machine		CNC edging machine			
	Double edging line		1-axis CNC	2-axis CNC	3-axis CNC	10-axis CNC
Minimum size	130mmx130mm		30mmx30mm	120mmx60mm	120mmx60mm	20mmx20mm
Maximum size	670mmx550mm		1140mmx540mm	1000mmx200mm	390mmx250mm	140mmx140mm
Thickness range	0.33mm ~ 3.0mm		0.2mm~3.0mm	0.2mm~3.0mm	0.2mm~3.0mm	0.2mm~3.0mm
Available shapes (Shapes, Holes etc)	Square		Square, Hole, Free-drawn	Square, Hole, Free-drawn	Square, Hole, Free-drawn	Square, Hole, Free-drawn
References	Mass production for simple square or rectangle		Bigger size available	Mass production for automotive interior	Mass production for automotive interior	Better for small size edging