### MATSUNAMI's Technology (12 times in total)

## **Episode 4:** Glass surface polishing technology

Matsunami has various types of glass cutting technology.

In this episode, we would like to introduce our surface polishing technology.

By polishing to the thickness specified by our customers, the surface of our final products will become a high-quality mirror form.

In addition, ultra-precision polishing processing, high precision quality which optical glasses requested is also available.



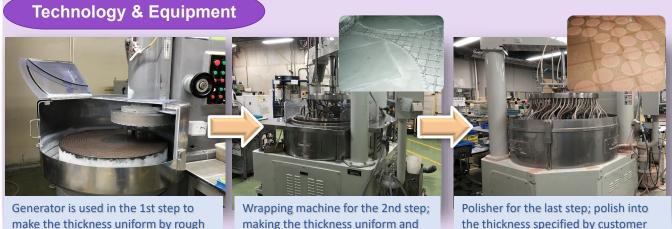
and be transparent. High quality

available in this step.

polishing needed for optical glass is

#### **Features**

- Polishing high quality glasses such as optical glass, colored glass and cover glass for high-pixel camera modules (appearance defects quality control start from 3µm level).
- High precision (flatness, parallelism, surface roughness).
- High quality US cleaning
- Available with various thickness
- Small lot prototype processing is welcomed
- Quality assurance by various types of measurement such as Laser-Microscopic, Laser interferometer, Haze measuring machine, Spectrophotometer.
- As an outsourcer to support your glass processing (from prototype to mass production).



make the thickness uniform by rough polishing.

# Application

• Cover glass with extremely no scratches or appearance defects

Cover glass for image sensors (CMOS, CCD, etc.), optical glass filter (IR / UV, etc.), cover glass for camera modules (Digital cameras, In-vehicle cameras, industrial cameras, surveillance cameras, distance measurement/image recognition cameras), and other optical equipment, optical communication devices, etc.

polishing with higher accuracy.

High flatness and high definition glass

In-vehicle cover glass, optical communication devices, optical substrate, projector, projection mapping, small and medium-sized flat display, LED cover glass, cover glass for semiconductor's laser beam, glass substrates, and the other cover glasses.

• 0.1mm Ultra-thin polished glass

#### Size

	Surface polishing machine		
	Generator	Wrapping machine	Polisher
Minimum size	Ф10	Ф10	Ф5
Maximum size	Ф700	Ф335	Ф335
Thickness range	2mm~140mm	0.2mm~5mm	0.1mm~5mm
Available shapes (Shapes, Holes etc)	Circle, Square Free-drawn	Circle, Square Free-drawn	Circle, Square Free-drawn