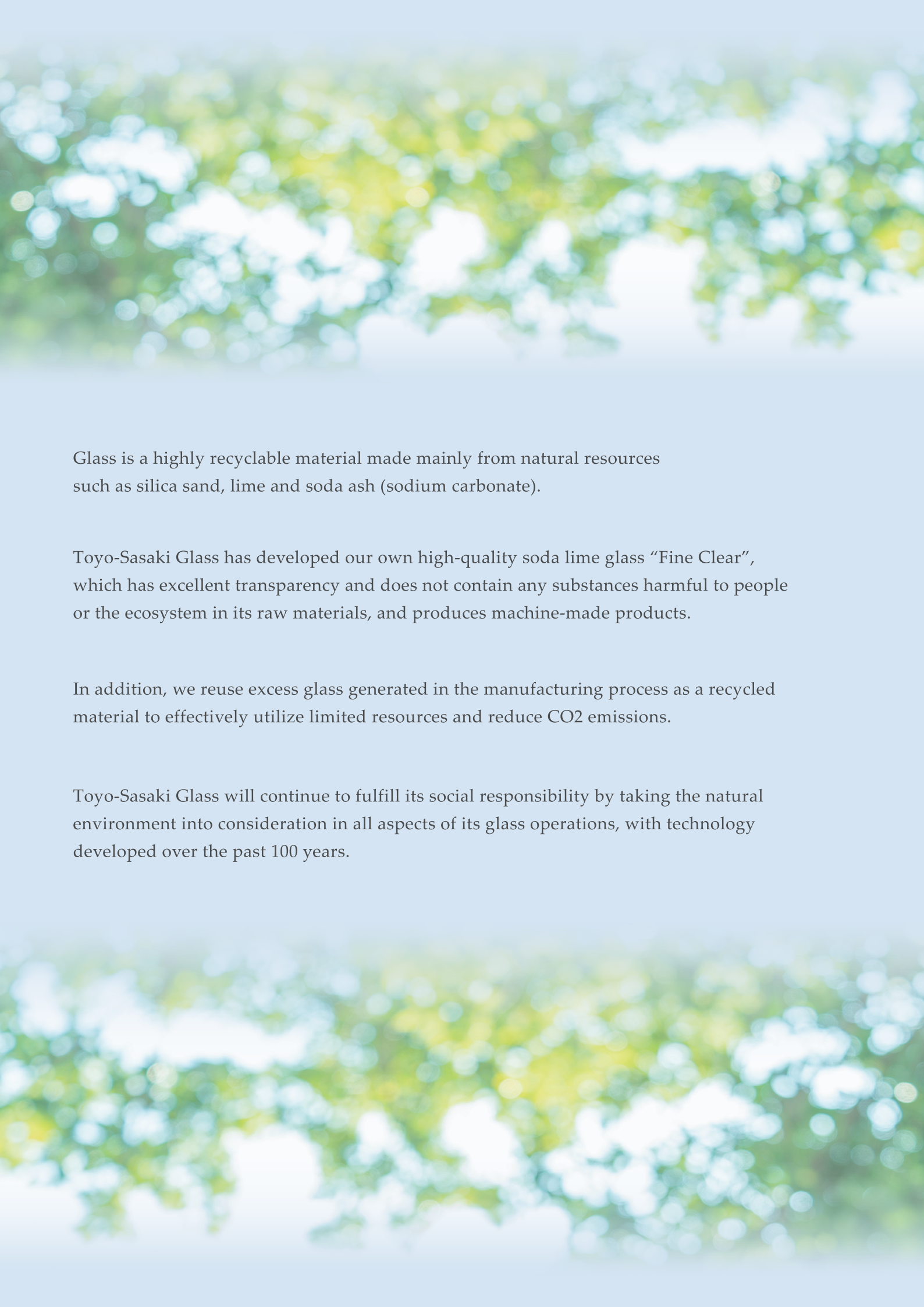


DIGITAL
CORE-CATALOG
2026





Glass is a highly recyclable material made mainly from natural resources such as silica sand, lime and soda ash (sodium carbonate).

Toyo-Sasaki Glass has developed our own high-quality soda lime glass “Fine Clear”, which has excellent transparency and does not contain any substances harmful to people or the ecosystem in its raw materials, and produces machine-made products.

In addition, we reuse excess glass generated in the manufacturing process as a recycled material to effectively utilize limited resources and reduce CO₂ emissions.

Toyo-Sasaki Glass will continue to fulfill its social responsibility by taking the natural environment into consideration in all aspects of its glass operations, with technology developed over the past 100 years.

Toyo-Sasaki Glass is proudly the No.1 glassware manufacturer in Japan in terms of production and delivery volume.

About us "TOYO-SASAKI GLASS"

Founded in 2002 following the merger of two Japanese oldest and largest glassware manufacturers dating back to 1878, we first commercialized and introduced toughened glassware brand "HS" line in Japan in 1967.

With long-standing traditions and sophisticated technologies, we continuously develop practical and universal designs perfectly fit for every dining and drinking scene.

We are the foremost producer of super light and thin yet durable products, using our technology second-to-none.



TOYO GLASS



SASAKI GLASS

Toyo-Sasaki Glass's Environmental Initiatives

Glass is made of natural resources, mainly silica sand, lime, and soda ash, and is safe for the environment with excellent recyclability.

We will actively address environmental issues and fulfill our social responsibilities while giving consideration to the natural environment in every aspect of our business.

● Toyo Seikan Group's Environmental Vision and Our Environmental Performance

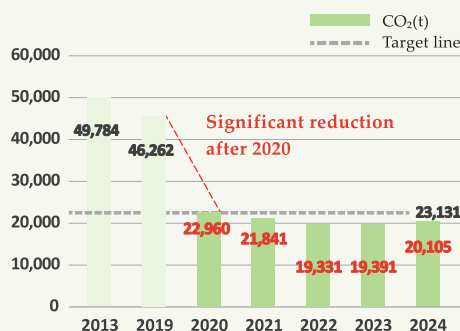
As a member of Toyo Seikan Group, we will contribute to the realization of a sustainable society through three aspects of the value chain of our products, services and systems.



Target: Reduction of CO₂ emissions^(*1)

Target:
Reduce by 50% compared to 2019 by 2030.
23,131 tons or less

Actual results:
Significant reduction of CO₂ emissions through rationalization of production systems.
43.5% in 2024 compared to 2019.



Future activities

- Promoting energy conversion (increasing the ratio of recycled oil and gas to reduce carbon)
- Promoting energy conservation (introduction of electric smart meters, etc.)
- Purchase of Non-Fossil Certificate (Reduction in CO₂ emissions on site by purchasing Non-Fossil Certificate)

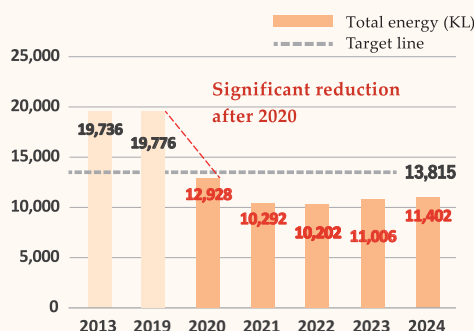
(^{*1}) CO₂ emissions are the values reported to the Ministry of Economy, Trade and Industry.



Target: Reduction of energy consumption^(*2)

Target:
30% reduction compared to fiscal 2013 by fiscal 2030.
13,815 KL or less

Actual results:
Significant reduction in energy consumption through rationalization of production system.
57.8% in 2024 compared to 2013.



Future activities

- Promotion of effective use of resources (improvement of yield)
- Promotion of energy conservation (introduction of electric smart meters, etc.)

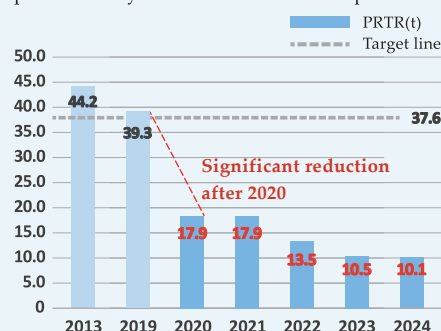
(^{*2}) Energy consumption (^{*2}) is the sum of the consumption of heavy oil, gas, and electricity converted to crude oil (KL). This is the consumption value reported to the Ministry of Economy, Trade and Industry. It also includes the amount of recycled oil used from fiscal year 2023.



Target: Reduction of PRTR^(*3) Releases of Specified Substances

Target:
Reduce by 15% compared to 2013 by 2030.
37.6 tons or less

Actual results:
Significant reduction in emissions of targeted substances through rationalization of the production system. 22.9% in 2024 compared to 2013.



Future activities

- Promotion of environmental management system (ISO 14001)
- Increasing the ratio of lead-free crystal glass

(^{*3}) Pollutant Release and Transfer Register (PRTR) system is a system for aggregating data on the release of potentially harmful chemical substances into the environment from where and to what extent. We work to reduce lead and boron compounds.

Developing Environmentally Friendly Products

Environmentally friendly products are products that have less impact on the environment than conventional products by considering the impact on the environment throughout the product life cycle. We strive to promote sustainable consumption and production by developing and supplying products with superior environmental performance.



HS Hard Strong

- HS Hard Strong is a strengthened glass for tableware that has a history of over 50 years.
- In recent years, we have introduced HS Platinum Glass, a glass strengthened with unique full-surface ion processing to achieve both weight reduction (thinner) and durability. We are also contributing to the effective use of resources and energy conservation.



HS Platinum Thin Tumbler

Compared to general strengthened glass (per piece)

- Weight reduction by about 105g (about -45%)
- Reduction in CO₂ emissions (^{*1}) 248g
- Reduction of energy consumption (^{*2}) by 0.141L

^{*}When comparing 071111HS and B-21211CS

Glass is a material that is friendly to people and the environment

Glass is an environmentally friendly material made mainly from natural resources such as "Silica Sand", "Lime" and "Soda Ash (Sodium Carbonate)". Toyo-Sasaki Glass's high-quality soda lime glass "Fine Clear" does not contain any substances harmful to humans or the ecosystem. Glass is also a material that resists color and odor transfer, and is resistant to acids.

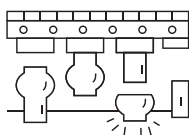
Glass is a highly recyclable material

Glass is mainly made by melting natural resources such as "Silica Sand", "Lime" and "Soda Ash" and recycled raw material "Cullet" mixed together at high temperatures.

What is cullet?

A raw material made by crushing excess glass generated during the manufacturing process of glass products.

Glass that is no longer necessary during the manufacturing process



Damaged glass, etc.



Crushing



"Cullet"

Effective Use of Recycled Materials by reusing cullet as part of the raw material

① Reduction of Natural Resource Usage

Glass products manufactured at our Chiba plant contain cullet more than 30%.

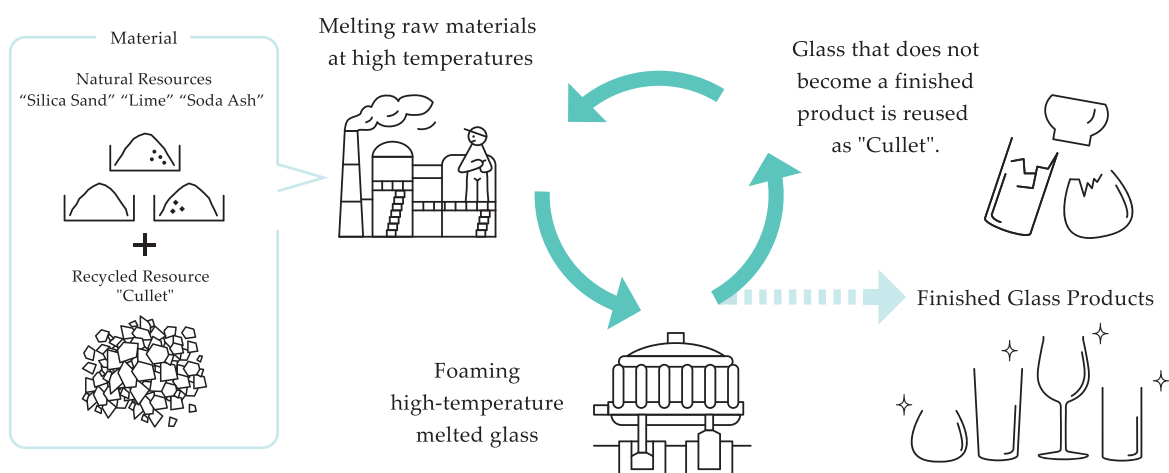


② Reducing Energy Use and CO2 Emissions

Shortening glass melting time leads to reductions in energy consumption and CO2 emissions.



Image of Cullet Reuse for Machine-made Products at our Chiba Plant

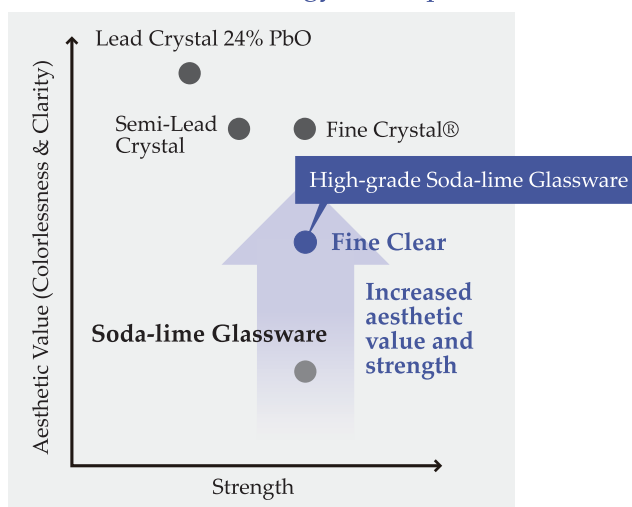


FINE CLEAR

“Fine Clear” is the brand name of high-grade soda-lime glass material developed by Toyo-Sasaki Glass. In addition to its strength, Fine Clear achieves supreme clarity and brightness comparable to crystal glass which makes it an ideal material for glass tableware. All TSG’s machine-made production has now been completely shifted to Fine Clear to reflect TSG’s relentless pursuit of product excellence.

TSG Glass Technology Concept

TSG Glass Technology Concept



Carefully selected raw material and state-of-the-art glass melting technology are applied to minimize iron ion (Fe²⁺) content. Iron ion is known to have a negative effect to the color hue of the glass.

Relationship between different glass materials and coloration/clarity

Type of Glass Material	Permeability	Transpa- -rency	Excitation Purity -	Colora- tion	Fe ²⁺ (ppm)	Content of Impurities	Increased Colorless- ness and Clarity
TSG Lead Crystal 24% PbO	90.7	very high	0.06	Minimal	5~8	Less	
Fine Clear	90.7	↑	0.07	↑	12~24	↑	
Former TSG Soda-lime glass	89.6	↑	0.26	↑	25~30	↑	
General Window Glass	87.1	high	0.66	Light	220	More	

Customized printings are available. For more information, please contact us.



Customized printing
on Glass



Laser Marking
on Glass



Customized printing
on Gift Box

What is "HS"

"HS" stands for "Hard Strong", a Leading Brand of Toughened Glassware.

Over 50 Years Long Seller

Safety Focused

High Durability

Total Sales Exceeds 800
millions *As of 2017

Dishwasher Safe

Made in Japan

The Principle of Glass Toughness

The glass toughness is basically determined by below factors.

1. Thickness of Rim Top:

The thicker they are, stronger they become. Rim top is where tends to get the most impact, damage from everyday use.

2. Rim Top Finish:

Burn-off (Hot-cut) finished glass is stronger than those cold-cut finished glass.

*Cold-cut: cutting off the rim by diamond cutter and finish with diamond file polish.

3. Composition of Glass:

Soda-lime glass is stronger than crystal glass containing metallic oxide.

From those different functional elements of each glass, as a result end up on differentiating the design and their best fitting dinning scenes.

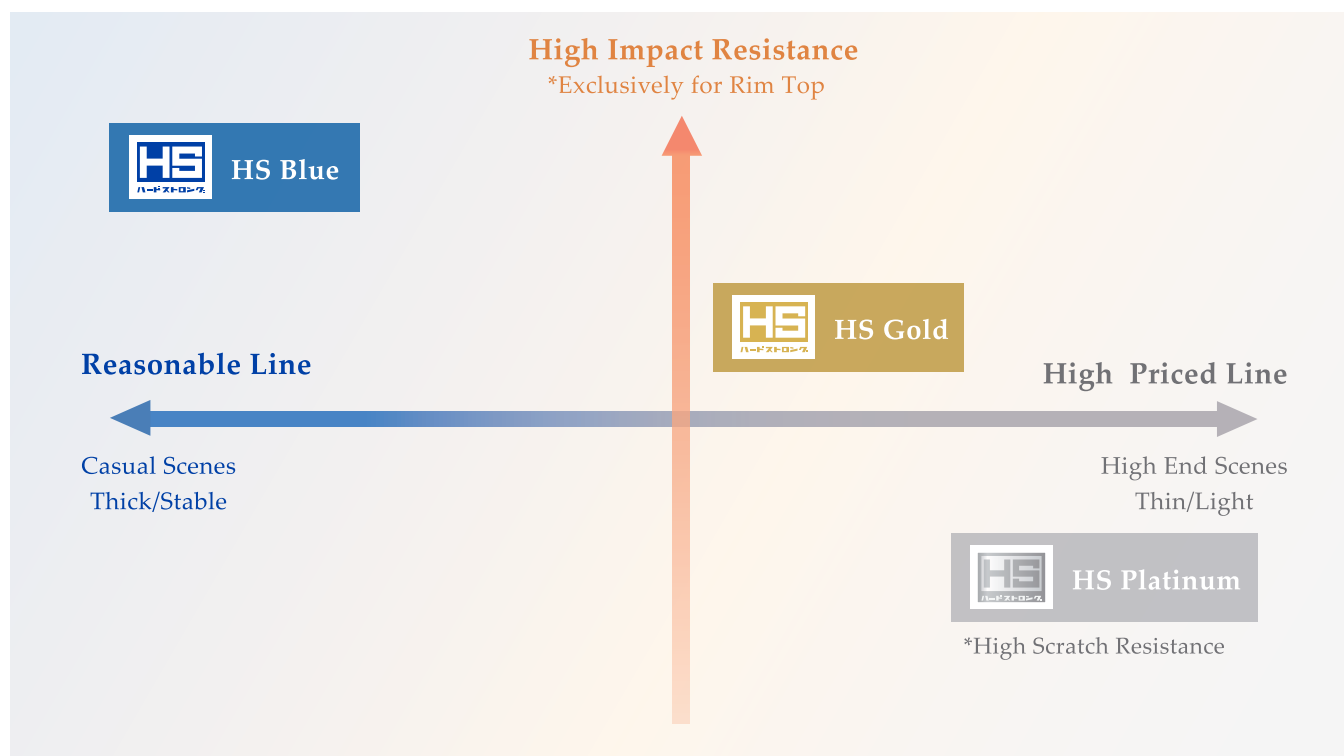


Burn-off (Hot-cut)
with round ring




Cold-cut with
smooth top

"HS" Range at a glance



*May vary depending on the different piece of products.

"HS" Range for Variety of Needs

 HS Platinum	 HS Gold	 HS Blue
		
<p>"Tough" and "Scratch Resistant"</p> <p>Advanced HS series, thin in hand and light weight to carry. Suitable for high end dining, to be used in brand hotel and resorts.</p>	<p>High-quality lineups to cover a wide range of food scenes. Cold-cut processing with no ring around the glass-edge, smooth rim to enjoy drink directly.</p>	<p>Standard toughened glass with simple and classic design. Loved worldwide, use for such as water tumblers. You likely to find them at Ramen shop in Japan.</p>
	Design	
<p>Remarkably Thin and Light series</p> <p>High-grade Hotels and Restaurants</p>	<p>Luxury design to fit High-grade Hotels and Restaurants</p>	<p>At home, daily use For Casual dining such as Ramen shops in Japan</p>
	Strength	
<p>Full-Surface Toughened with Ion Exchange Method</p>	<p>Top Edge Toughened with Tempering Method</p>	<p>Top Edge Toughened with Tempering Method *Highest impact resistance for Rim Top</p>
	Thickness	
<p>Thickness of 1.1 ~ 1.4mm</p>	<p>Thickness of up to 1.6mm</p>	<p>Thickness of 1.8mm or above *One of the reasons of its toughness.</p>
	Rim Finish	
<p>Smooth rim by Cold-Cut process</p> <p>Enjoy the taste of each beverage directly</p>	<p>Smooth rim by Cold-Cut process</p> <p>Enjoy the taste of each beverage directly</p>	<p>Round rim by Burn-Off (Hot-Cut)</p>

*May vary depending on the different piece of products.

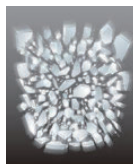
Safety Focused

Safety Focused in Case of Breakage

Both HS Ion Toughened glassware and conventional HS Glass-Edge Physical Toughened glassware break like normal glassware. They will not be subjected to abrupt, violent shattering that might occur to full surface physical toughened glassware.



Breakage of HS Ion Toughened glassware & HS Glass-Edge Physical Toughened glassware.



Breakage of Full Surface Physical Toughened glassware

*TSG does not carry full surface physical toughened glass products.

Environmentally Friendly

HS hard strong with excellent durability. The longer use of HS products will lead to the effective use of limited resources and energy conservation, including the reduction of CO₂ emissions during production. In addition, glass (high-quality soda lime glass: Fine Clear) does not contain any substances harmful to humans or the ecosystem.



3 Health and Welfare for All

Reduction of Specific Chemical Substances



12 Responsibilities for Producing and Using

Extending Product Life and Reducing Raw Materials



13 Specific Measures against Climate Change

CO₂ Reduction

HS Stackable Tumbler

Feature: Glass-Edge Physical Toughening, Stackable
Material: Soda-Lime Glass

"HS" Stackable Tumbler for everyday use, with our sophisticated glass-rim toughening technologies over 50 years of history. Its safety and quality have been loved broadly in hospitality and foodservice industries worldwide. Dishwasher safe, perfect in space-saving on any tabletops at restaurants, cafe, bars and home use.



08004HS-SS

Tumbler

96PCS (6×16)

φ 69 × H76 · M75 210ml

φ 2¾" × H3" · M3" 7oz



08004HS-SF

Tumbler

96PCS (6×16)

φ 69 × H76 · M75 210ml

φ 2¾" × H3" · M3" 7oz




CB-02152

Tumbler

96PCS (6×16)

φ 72 × H87 · M72 245ml

φ 2⅞" × H3⅝" · M2⅞" 8⅝oz

 GOOD DESIGN AWARD



CB-02152-BL

Tumbler

96PCS (6×16)

φ 72 × H87 · M72 245ml

φ 2⅞" × H3⅝" · M2⅞" 8⅝oz

 GOOD DESIGN AWARD



00345HS

Tumbler

120PCS (6×20)

φ 67 × H80 · M67 200ml

φ 2⅝" × H3⅜" · M2⅝" 6⅝oz

 GOOD DESIGN AWARD



00346HS

Tumbler

120PCS (6×20)

φ 67 × H95 · M67 250ml

φ 2⅝" × H3¾" · M2⅝" 8⅝oz

 GOOD DESIGN AWARD



00445HS

Tumbler

120PCS (6×20)

φ 67 × H80 · M67 200ml

φ 2⅝" × H3⅜" · M2⅝" 6⅝oz



00446HS

Tumbler

120PCS (6×20)

φ 67 × H95 · M67 250ml

φ 2⅝" × H3¾" · M2⅝" 8⅝oz



00446HS-ESL

Tumbler

120PCS (6×20)

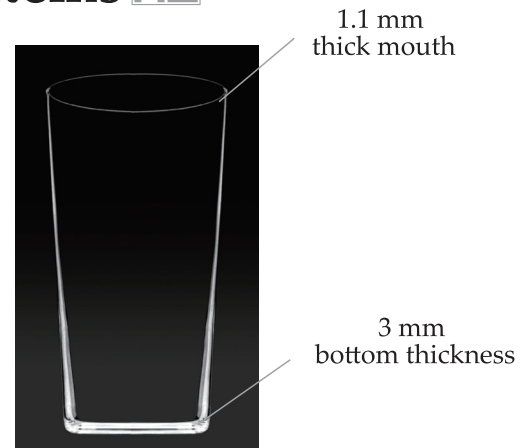
φ 67 × H95 · M67 250ml

φ 2⅝" × H3¾" · M2⅝" 8⅝oz

Functionality of "HS Platinum" items

1. "Total Thin-wall Products"

By realizing an unprecedented 1.1 mm thick mouth with smooth cutting, the glass looks nice and delicate.



Cut cross-section of "USURAI"

2. "Strength Improvement"

By using an unprecedented technology called "Full Surface Ion Toughening", the strength of the product has improved, making it more resistant to cracking and scratching. In addition, cleaning with a washing machine was allowed.

Iron ball Impact test  <https://www.youtube.com/watch?v=RdFS9WfdbmM>

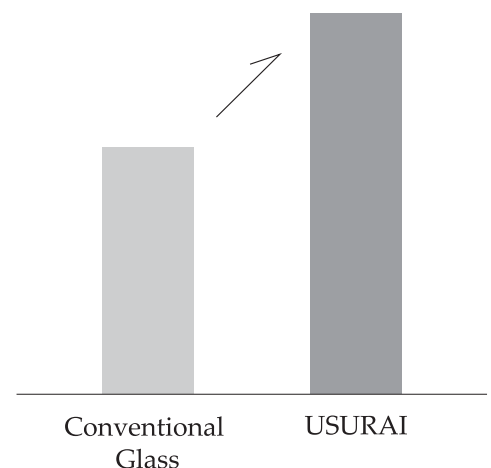
Use at a restaurant for 24 months



USURAI

Conventional Glass

Stronger than Conventional Glass



3. "Weight reduction"

"USURAI" B-21109CS (capacity 305 mm) reduced weight by about 33% compared with conventional products, making handling relatively simple.



USURAI TAPER

Feature: Full Surface Ion-Toughening, Scratch resistant
Material: Soda-Lime Glass

The first thing you notice when you pick up “USURAI TAPER” glassware is its featherweight structure in your hands — the fine balance between delicate and durable, beauty and function. Whether it is filled with a refreshing cocktail or water, know you’ve got a reliable classic in your hands. Super-thin, lightweight to hold and durable enough to use as commercial and home use.



B-21109CS

Rocks
60PCS (6×10)
φ 82 × H89 · M89 305mℓ
φ 3¼" × H3½" · M3¼" 10½oz



B-21105CS

Beer
72PCS (6×12)
φ 54 × H92 · M54 150mℓ
φ 2⅜" × H3⅝" · M2⅝" 5oz



B-21106CS

Tumbler
60PCS (6×10)
φ 57 × H100 · M57 185mℓ
φ 2¼" × H3⅞" · M2¼" 6½oz



B-21108CS

Tumbler
60PCS (6×10)
φ 70 × H107 · M70 265mℓ
φ 2¾" × H4¼" · M2¾" 8½oz



B-21110CS

Tumbler
60PCS (6×10)
φ 70 × H120 · M70 315mℓ
φ 2¾" × H4¾" · M2¾" 10½oz



B-21112CS

Tumbler
60PCS (6×10)
φ 72 × H135 · M72 370mℓ
φ 2⅞" × H5⅝" · M2⅞" 12½oz



B-21114CS

Tumbler
60PCS (6×10)
φ 75 × H143 · M75 420mℓ
φ 3" × H5⅝" · M3" 14oz



B-21116CS

Tumbler
60PCS (6×10)
φ 77 × H152 · M77 480mℓ
φ 3" × H6" · M3" 16oz



B-21141CS

Beer
60PCS (3×20)
φ 63 × H170 · M69 395mℓ
φ 2½" × H6¾" · M2¾" 13½oz

USURAI CUT

Feature : Full Surface Ion-Toughening, Scratch resistant

Material : Soda-Lime Glass

"USURAI CUT" is a premium, thin and light-weight glass with Japanese traditional cut but strong enough to be used as commercial use.

Our "Ion Toughening" technique applied for the overall surface has achieved the durability. Classy thin cut glasses are suitable for any high-end scene.



B-21109CS-C745

Rocks
60PCS (6×10)
φ 82×H89・M82 305ml
φ 3¼"×H3½"・M3¼" 10½oz



B-21105CS-C745

Beer
72PCS (6×12)
φ 54×H92・M54 150ml
φ 2½"×H3¾"・M2½" 5oz



B-21108CS-C745

Tumbler
60PCS (6×10)
φ 70×H107・M70 265ml
φ 2¾"×H4¼"・M2¾" 8¾oz



B-21110CS-C745

Tumbler
60PCS (6×10)
φ 70×H120・M70 315ml
φ 2¾"×H4¾"・M2¾" 10½oz



B-21112CS-C745

Tumbler
120PCS (6×10)
φ 72×H135・M72 370ml
φ 2¾"×H5¾"・M2¾" 12¾oz

SILKLINE^{HS}

Feature : Full Surface Ion-Toughening, Scratch resistant
Material : Soda-Lime Glass

The elegant and vertical glassware shapes of "SILKLINE" are designed to use at the wedding, bars and restaurant scenes.



B-21209CS
Rocks
60PCS (6×10)
φ 74×H85・M74 310mℓ
φ 2⅞"×H3⅜"・M2⅞" 10½oz



B-21206CS
Tumbler
60PCS (6×10)
φ 55×H96・M55 185mℓ
φ 2⅞"×H3¾"・M2⅞" 6½oz



B-21208CS
Tumbler
60PCS (6×10)
φ 60×H108・M60 255mℓ
φ 2⅞"×H4¼"・M2⅞" 8½oz



B-21210CS
Tumbler
60PCS (6×10)
φ 62×H122・M62 305mℓ
φ 2⅞"×H4¾"・M2⅞" 10½oz



B-21215CS
Tumbler
60PCS (6×10)
φ 67×H156・M67 455mℓ
φ 2⅞"×H6⅞"・M2⅞" 10oz



B-21211CS
Colins
60PCS (6×10)
φ 55×H153・M55 300mℓ
φ 2⅞"×H6"・M2⅞" 5½oz



B-21213CS
Colins
60PCS (6×10)
φ 57×H171・M57 360mℓ
φ 2¼"×H6¾"・M2¼" 12oz

USURAI VERTICAL

Feature: Full Surface Ion Toughening and scratch resistant
Material: Soda-Lime Glass



"USURAI" glass is unique and bold designed glass.

The large and smooth finish mouth design making them practical for everyday use,
perfect for any kinds of drinks, water, juice and cocktails.



New

B-09126CS

Free Glass

72PCS (6 × 12)

φ 80 × H60 · M80 260ml

φ 3 $\frac{1}{8}$ " × H2 $\frac{3}{8}$ " · M3 $\frac{1}{8}$ " 8%oz

 GOOD DESIGN AWARD 2024



B-09127CS

Rocks

72PCS (6 × 12)

φ 80 × H80 · M80 355ml

φ 3 $\frac{1}{8}$ " × H3 $\frac{3}{8}$ " · M3 $\frac{3}{8}$ " 11%oz

 GOOD DESIGN AWARD 2024



B-09128CS

Tumbler

72PCS (6 × 12)

φ 70 × H107 · M70 355ml

φ 2 $\frac{3}{4}$ " × H4 $\frac{1}{4}$ " · M2 $\frac{3}{4}$ " 11%oz

 GOOD DESIGN AWARD 2024



B-09129CS

Tumbler

72PCS (6 × 12)

φ 75 × H143 · M75 560ml

φ 3" × H5 $\frac{5}{8}$ " · M3" 18%oz

 GOOD DESIGN AWARD 2024

FINO

Feature: Full Surface Ion Toughening, Scratch resistant
Material: Soda-Lime Glass

Crystal clear, thin yet strong HS Premium Series "FINO". Unique design, image of teardrop, diamond and tulip stylish shaped glass for everyday enjoyable experience.
For various kinds of beverage in modernized dining scenes.



B-21122CS
Tumbler
60PCS (6×10)
φ 68 × H88 · M90 390ml
φ 2½" × H3½" · M3½" 13oz



B-21121CS
Tumbler
60PCS (6×10)
φ 60 × H110 · M81 380ml
φ 2½" × H4½" · M3¼" 12½oz



B-21123CS
Tumbler
48PCS (6×8)
φ 63 × H125 · M85 480ml
φ 2½" × H4½" · M3¾" 16oz



B-21133CS
Long Tumbler
60PCS (6×10)
φ 54 × H150 · M67 390ml
φ 2½" × H5½" · M2½" 13oz



B-21124CS
Tumbler
60PCS (6×10)
φ 73 × H84 · M91 385ml
φ 2¾" × H3¼" · M3¾" 12½oz



B-21125CS
Tumbler
60PCS (6×10)
φ 60 × H116 · M84 400ml
φ 2½" × H4½" · M3¼" 13¾oz



B-21134CS
Long Tumbler
60PCS (6×10)
φ 58 × H140 · M71 375ml
φ 2¼" × H5½" · M2¾" 12½oz



B-21132CS
Tumbler
60PCS (6×10)
φ 70 × H93 · M86 385ml
φ 2¾" × H3¾" · M3¾" 12½oz



B-21131CS
Tumbler
60PCS (6×10)
φ 65 × H112 · M82 415ml
φ 2½" × H4¾" · M3¼" 13¾oz

FINO STACKABLE

Feature: Full Surface Ion Toughening, Stackable and scratch resistant

Material: Soda-Lime Glass

Stackable glass for easy storage while its top is thin and smooth. Our ion strong technique applied for the overall surface has achieved the practical durability in stacking. The larger but simple mouth design is intended for use of various kinds of drinks in modern diversified dining scenes, allowing users both at home and at restaurants to arrange, pour drinks comfortably and to wash the glass easily by dishwasher.




B-21127CS

Tumbler

48PCS (6 × 8)

φ 82 × H75 · M82 315ml

φ 3¼" × H3" · M3¼" 10½oz

 GOOD DESIGN GOLD AWARD 2017




B-21126CS

Tumbler

48PCS (6 × 8)

φ 80 × H96 · M80 390ml

φ 3¼" × H3¾" · M3¾" 13oz

 GOOD DESIGN GOLD AWARD 2017



B-21130CS

Buffetware

60PCS (6 × 10)

φ 70 × H40 · M70 115ml

φ 2¾" × H1½" · M2¾" 3¾oz

 GOOD DESIGN AWARD 2017



B-21129CS

Buffetware

60PCS (6 × 10)

φ 70 × H50 · M70 155ml

φ 2¾" × H2" · M2¾" 5½oz

 GOOD DESIGN AWARD 2017



B-21128CS

Buffetware

60PCS (6 × 10)

φ 82 × H65 · M82 280ml

φ 3¼" × H2½" · M3¼" 9¾oz

 GOOD DESIGN AWARD 2017

Feature: Full Surface Ion-Toughening, Scratch resistant
Material: Soda-Lime Glass

Unique surface with natural fluctuation which resembles the flow of water or the traditional Japanese paper washi.
Light weight in hand with our second to none toughening technology for professional dining scenes.



New

B-21303CS

Sake Cup

72PCS (6×12)

φ 62 × H60 · M62 95ml

φ 2½" × H2¾" · M2½" 3¼oz



B-21309CS

Tumbler

60PCS (6×10)

φ 87 × H90 · M87 290ml

φ 3⅝" × H3½" · M3⅝" 9¾oz



B-21306CS

Tumbler

60PCS (6×10)

φ 66 × H104 · M66 180ml

φ 2⅝" × H4¼" · M2⅝" 6oz



B-21310CS

Tumbler

60PCS (6×10)

φ 78 × H123 · M78 300ml

φ 3⅝" × H4⅞" · M3⅝" 10oz



B-21312CS

Tumbler

60PCS (6×10)

φ 82 × H135 · M82 370ml

φ 3¼" × H5⅝" · M3¼" 12¼oz



B-21314CS

Tumbler

60PCS (6×10)

φ 86 × H143 · M86 435ml

φ 3⅝" × H5⅝" · M3⅝" 14½oz



New

B-21315CS

Carafe

48PCS (1×48)

φ 86 × H143 · M86 385ml

φ 3⅝" × H5⅝" · M3⅝" 12¼oz

CUT GLASS

HS "CUT GLASS" rocks with luxurious cut design which offers an appealing aesthetic from Japan.

Perfect in use for cocktails, as such as Negroni, Old Fashion and any other.
Great to keep around one's home, restaurant and bars for a timeless entertaining.



Feature : Glass-Edge Physical Toughening **HS**
Material : Soda-Lime Glass



B-09123HS-M68
Rocks
36PCS (6×6)
φ 82 × H98 · M82 370ml
φ 3¼" × H3⅞" · M3¼" 12%oz



B-09124HS-M68
Tumbler
36PCS (6×6)
φ 65 × H165 · M65 400ml
φ 2½" × H6½" · M2½" 13%oz



Feature: Full Surface Ion-Toughening, **HS**
Scratch resistant
Material: Soda-Lime Glass



B-09123CS-C559
Rocks
36PCS (6×6)
φ 82 × H98 · M82 370ml
φ 3¼" × H3⅞" · M3¼" 12%oz



New
B-09123CS-C719
Rocks
36PCS (6×6)
φ 82 × H98 · M82 370ml
φ 3¼" × H3⅞" · M3¼" 12%oz



WOODEN BOX GIFT SET

Feature: Full Surface Ion-Toughening, Scratch resistant
Material: Soda-Lime Glass (Tumblers),
Lead-Free Crystal (Stemware of G071-T265)



Wide variety of wooden box gift sets for your friends, families and precious ones.



G071-T265

Beer Set

12 SETS

Tumbler $\phi 60 \times H116 \cdot M84$ 400ml

$\phi 2\frac{3}{8} \times H4\frac{1}{2} \cdot M3\frac{1}{8}$ 13%oz

Stemware $\phi 61 \times H170 \cdot M78$ 350ml

$\phi 2\frac{3}{8} \times H6\frac{3}{4} \cdot M3\frac{1}{8}$ 11%oz

(Made in Thailand, Toughening Process in Japan)

Tumbler $\phi 75 \times H143 \cdot M75$ 420ml

$\phi 3 \times H5\frac{1}{2} \cdot M3$ 14oz



G096-T284

Beer Set

12 SETS

Tumbler $\phi 63 \times H170 \cdot M69$ 395ml

$\phi 2\frac{1}{2} \times H6\frac{3}{4} \cdot M2\frac{1}{2}$ 13%oz



G096-T285

Highball Set

12 SETS

Tumbler $\phi 75 \times H143 \cdot M75$ 420ml

$\phi 3 \times H5\frac{1}{2} \cdot M3$ 14oz



New

G096-T339

Highball Set

12 SETS

Tumbler $\phi 86 \times H143 \cdot M86$ 435ml

$\phi 3\frac{3}{8} \times H5\frac{1}{2} \cdot M3\frac{3}{8}$ 14½oz



Custom OEM Glassware

TSG provides custom OEM products to both domestic and overseas clients, meeting their specific requirements and market needs. We are capable of manufacturing OEM products at our factory or craft studio.

○ Machine-Made Production

Best suited for glassware that needs to be uniformly mass-produced, such as OEM merchandise and promotional premiums.

Requirements:

- MOQ: Mass production; the MOQ varies depending on the design.
- Material: Soda-lime glass only
- Tooling Cost: Molds for glassware and packaging, painting tools/molds
- Payment Terms: T.T. (Telegraphic Transfer) remittance in advance
- General Process Flow: Design from client → TSG internal review (design team & technical issues) →
*If we can produce your design, we will provide a quote, including mold costs → Client confirms price →
3D design sample → Client confirmation → Sample production → Bulk production & process
*Estimated lead time: at least 8 months



○ Hand-Made Production

Offers greater flexibility and a wide range of techniques and color options. Each piece is unique, giving the glassware a distinctive, one-of-a-kind feel. Our experienced artisans can handcraft even a single piece of glassware for you.

Requirements:

- MOQ: Hundreds of pieces; the MOQ varies depending on the design.
- Material: "Fine Crystal" (Lead-free crystal) or Semi-lead crystal
- Tooling Cost: Molds for glassware and packaging, painting tools/molds
- Payment Terms: T.T. (Telegraphic Transfer) remittance in advance
- General Process Flow: Design from client → TSG internal review (design team & technical issues) →
*If we can produce your design, we will provide a quote, including mold costs
→ Client confirms price → Sample production → Production
*Estimated lead time: at least 4 months



In order to consider OEM products, we require the following information:

- Design: AI file required
- Quantity
- Rough schedule
- Sales area (where you plan to sell the products)
- Budget per unit
- Payment Terms: T.T. (Telegraphic Transfer) remittance in advance

Option for customizing on catalog items

TSG offers top-quality printing and after processing services catering to the needs of our customers. For toughened products, we may not be able to accommodate customization depending on the quantity and the process involved. Therefore, we recommend using non-toughened products for customization. As an example, we will use the double rocks glass B-09123, which is being developed for overseas markets.



Rocks
36PCS (6×6)
φ 82×H98・M82 370ml
φ 3¼"×H3¾"・M3¼" 12½oz

Option for customizing

1. Printing 2. CO₂ laser marking 3. UV laser marking

1. Printing on the side of B-09123.

1-1. *Reference retail price of printing processing on tumbler



Printing image

	500pcs or more	1,000pcs or more	1,500pcs or more
1 color	¥240	¥210	¥200
2 colors	¥350	¥300	¥270

*Reference retail price can be discounted depending on your business. Please kindly ask a sales rep for more details.

1-2. How to calculate the total cost
When printing in 1 color on 500 glasses of B-09123

¥650		¥240		¥890
Glass reference retal price	+	Reference retail price of printing processing	=	Reference retail total cost

1-3.Screen printing tool cost
It costs additional screen printing tool costs if the order is less than 1,500 pcs.

1 color printing tool cost	¥4,000
2 color printing tool cost	¥5,000

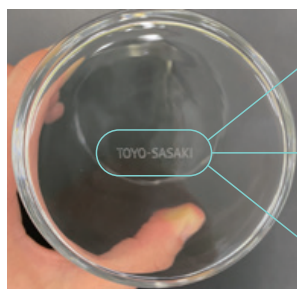
2. CO₂ laser marking * Recommended for mass production, the cost is lower than UV laser marking

There are three different types of CO₂ laser markings as below A, B and C types.

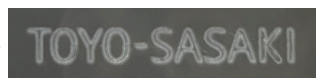
-Processing range is within 20mm in the center of the bottom.

*This can be changed depending on the width of the glass.

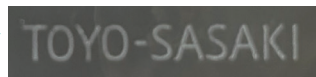
-If the number of characters is too many, the length of the vertical characters will be shortened proportionally.



A. " TOYO-SASAKI " in a solid with CO₂ laser.



B. " TOYO-SASAKI "in outline character.



C. " TOYO-SASAKI " in one line *Current "HS" is this type

3. UV laser marking * Recommended for 500 pcs

Engraving with UV laser may offer clearer and more detailed results compared to CO₂ laser marking.

The processing range is within 20mm at the center of the bottom. UV laser marking can provide better results than CO₂ laser marking, as shown in the example image below.

TSG
TOYO-SASAKI GLASS
JAPAN





NIGHT CARAFE

Feature: Hand-made, Scratch resistant, Dishwasher safe
Material: Lead free Crystal

Night Carafe makes any nightstand elegant.
The glass is designed when turned over to fit over the top of the carafe, protecting the liquid inside from dust.



N60714
Night Carafe
12PCS (1×12)
H208・M96 760ml
H8¾"・M3¾" 25%oz

CIRCLE

Material: Soda-Lime Glass

Unique silhouette circle glass is contemporary drinking glass with a circular flat bottom.
Extremely practical pieces that stay true to traditional Japanese design.
Both commercial and residential dishwasher safe.



B-02183
Shooter
72PCS (6×12)
φ 55×H55・M55 100ml
φ 2¼"×H2½"・M2½" 3%oz



B-02182
Tumbler
72PCS (6×12)
φ 70×H70・M70 210ml
φ 2¾"×H2¾"・M2¾" 7oz



B-02181
Rocks
72PCS (6×12)
φ 80×H80・M80 320ml
φ 3⅝"×H3⅝"・M3⅝" 10%oz



B-25401-JAN
Carafe
36PCS (1×36)
φ 80×H170・M80 710ml
φ 3⅝"×H6¾"・M3⅝" 23%oz

SAKE

We make more than 100 different types of Sake glasses by hand and machine.
The Sake glass on image are classic and elegant sake glass that designed by the well-known industrial designer over 50 years ago.

Feature: Dishwasher safe
Material: Soda-Lime Glass



J-00300
Sake Cup
120PCS (6 × 20)
φ 68 × H78 · M68 125ml
φ 2 5/8" × H3 1/8" · M2 5/8" 4 1/2oz



SQ-06202-JAN
Sake Glass
72PCS (3 × 24)
φ 60 × H102 · M60 105ml
φ 2 3/8" × H4 " · M2 3/8" 3 1/2oz



J-09112
Sake Cup
120PCS (6 × 20)
φ 64 × H100 · M64 110ml
φ 2 1/2" × H3 3/8" · M2 1/2" 3 3/4oz



B-20105
Sake Cup
72PCS (6 × 12)
φ 50 × H46 · M57 75ml
φ 2" × H1 3/4" · M2 1/4" 2 1/2oz



B-22120
Carafe
48PCS (1 × 48)
φ 75 × H78 · M90 320ml
φ 3" × H3 1/8" · M3 1/2" 10 1/2oz



B-00316
Sake Glass
72PCS (6 × 12)
φ 68 × H81 · M68 140ml
2 5/8" × H3 3/4" · M2 5/8" 4 1/2oz



B-00317
Sake Glass
72PCS (6 × 12)
φ 59 × H74 · M76 230ml
φ 2 3/8" × H2 3/4" · M3" 7 3/4oz



B-00318
Sake Glass
72PCS (6 × 12)
φ 57 × H100 · M57 135ml
φ 2 1/4" × H3 3/8" · M2 1/4" 4 1/2oz



B-40103-JAN
Sake Cup
96PCS (6 × 16)
φ 52 × H59 · M63 100ml
φ 2 " × H2 3/8" · M2 1/2" 3 3/4oz



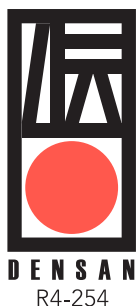
B-40602-JAN
Carafe
48PCS (1 × 48)
φ 72 × H120 · M86 435ml
φ 2 5/8" × H4 3/4" · M3 3/8" 14 1/2oz

Traditional Craft Products

All processes of our handmade production are following the law contributes to the succession of traditional skills and techniques to the next generation, as well as to the economic development and creation of employment in the region, through the promotion of traditional craft industries.

CRAFTSMANSHIP

Tradition and skills passed on to next generation.



JAPAN Traditional Craft Products (Certificated by "Minister of Economy, Trade and Industry")

The Product with "Mark of Tradition" (quality certification label) is the Traditional crafts product officially designated by the Minister of Economy, Trade, and Industry, that has passed the standard of TOBU Glass Industry Co-operative Association of Japan.

MT. FUJI SAKE CUP

Feature: Colorful Dot Pattern/Gold Decoration,
Hand-made

Material: Soda-Lime Glass, Semi-lead Crystal

Mt. Fuji shaped sake cup series to represent Japanese hand-made crafts. Every Seasonal decoration reminds you the warm landscape of those with soothing air and greenery countryside.

Gift of pair set, with carafe are also available for your precious ones.



(New)

10370

Sake Cup

24PCS (1×24)

φ 84 × H54 · M84 90mℓ

φ 3¼" × H2½" · M3¼" 3oz



(New)

10371

Sake Cup

24PCS (1×24)

φ 84 × H54 · M84 90mℓ

φ 3¼" × H2½" · M3¼" 3oz



(New)

10372

Sake Cup

24PCS (1×24)

φ 84 × H54 · M84 90mℓ

φ 3¼" × H2½" · M3¼" 3oz



(New)

10373

Sake Cup

24PCS (1×24)

φ 84 × H54 · M84 90mℓ

φ 3¼" × H2½" · M3¼" 3oz



42085G

Sake Cup

24PCS (1×24)

φ 76 × H53 · M76 65mℓ

φ 3" × H2½" · M3" 2½oz



42085G-ERP

Sake Cup

24PCS (1×24)

φ 76 × H53 · M76 65mℓ

φ 3" × H2½" · M3" 2½oz



42085G-SHB

Sake Cup

24PCS (1×24)

φ 76 × H53 · M76 65mℓ

φ 3" × H2½" · M3" 2½oz



G635-T72

Sake Cup Set 24SETS

φ 67 × H46 · M67 35mℓ*2

φ 2½" × H1¾" · M2½" 1½oz*2



G642-M78

Sake Cup Set 8SETS

Carafe φ 36 × H120 · M81 250mℓ

φ 1½" × H4¾" · M3¼" 8½oz

Sake Cup φ 67 × H46 · M67 35mℓ*2

φ 2½" × H1¾" · M2½" 1½oz*2

CORROT TUMBLER

Feature: Unique color and texture, Hand-made
Material: Semi-Lead Crystal

Uniquely made by hand of craftsmen with traditional techniques.

Enjoy the combination of high clarity of glass, color and texture which differs in every piece.



●Stripe Wrap Technique



Technique of applying thin lines of colored glass during forming.



(New)

10081

Spiral (Blue)

24PCS (1×24)

φ 82 × H85 · M82 280ml
φ 3¼" × H3⅜" · M3¼" 9½oz



(New)

10082

Crisscross (Blue)

24PCS (1×24)

φ 82 × H85 · M82 280ml
φ 3¼" × H3⅜" · M3¼" 9½oz



(New)

10083

Spiral (Amber)

24PCS (1×24)

φ 82 × H85 · M82 280ml
φ 3¼" × H3⅜" · M3¼" 9½oz



(New)

10084

Crisscross (Amber)

24PCS (1×24)

φ 82 × H85 · M82 280ml
φ 3¼" × H3⅜" · M3¼" 9½oz



●Mold Technique



Technique of creating unique surface texture by blowing in patterned mold before finishing mold.



New

10085

Lattice

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz



New

10086

Swirl

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz



New

10087

Lattice (Amber)

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz



New

10088

Swirl (Amber)

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz



●Sprinkle Roll Technique



Technique of adding colored sprinkle glass during forming.



New

10089

Oblique (Pink)

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz



New

10090

Stripe (Pink)

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz



New

10091

Oblique (Blue)

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz



New

10092

Stripe (Blue)

24PCS (1×24)

φ 77 × H82 · M89 310ml

φ 3" × H3¼" · M3½" 10%oz

YACHIYOGAMA

Feature: Unique Texture, Hand-made

Material: Semi-Lead Crystal



Edo-Glass, “YACHIYO-GAMA” named after the city of Yachiyo, where TSG’s craft studio is located, ancient Japanese motifs are actively fused with modern elements. Japanese traditional blue color and high clarity of crystal are perfectly merged in, and decoration of 24K gold also expands its richness.



10792
Sake Cup
24PCS (1×24)
φ 95 × H53 · M95 120ml
φ 3⅝" × H2⅝" · M3¾" 4oz



10793
Sake Cup
24PCS (1×24)
φ 95 × H53 · M95 120ml
φ 3⅝" × H2⅝" · M3¾" 4oz



10391
Tumbler
24PCS (1×24)
φ 72 × H81 · M83 260ml
φ 2⅞" × H3¼" · M3¼" 8½oz



10392
Tumbler
24PCS (1×24)
φ 72 × H81 · M83 260ml
φ 2⅞" × H3¼" · M3¼" 8½oz



10790
Sake Cup
24PCS (1×24)
φ 65 × H60 · M70 130ml
φ 2½" × H2⅝" · M2¾" 4¾oz



10791
Sake Cup
24PCS (1×24)
φ 65 × H60 · M70 130ml
φ 2½" × H2⅝" · M2¾" 4¾oz



63700
Carafe
18PCS (1×18)
W104 × D90 × H88 300ml
W4⅞" × D3½" × H3½" 10oz



63701
Carafe
18PCS (1×18)
φ 38 × H175 · M75 300ml
φ 1½" × H6⅞" · M3" 10oz

Factory

Toyo-Sasaki Glass is one of the largest glassware manufactures in Japan.

Our factory is the only production site in Japan that produces both machine and handmade glass products at one place.

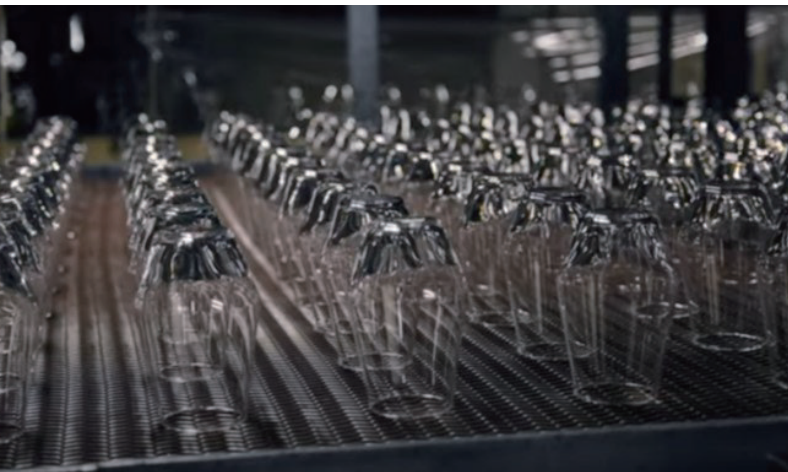
We have a wide range of products from high-end products to daily necessities.



<https://www.youtube.com/watch?v=6pZcJgmNeag>



Number of employees About 320 people



Local Relationships & Environmental Initiatives

Glass is an environment-friendly material that is both chemically stable and recyclable.

As a company, and as a factory, we have a responsibility to use this material and promote business activities that consider the environment. We have set as part of our mission for the Chiba factory to be environmentally sound; through carefully carrying out this objective, we will strive to attain harmony and mutually beneficial coexistence with the local community in our operations.

In 2005, we received ISO14001 Management System Certificate for environmental management. To promote further improvement, we are continually reviewing our production activities such as reducing energy, resource consumption, and waste products, in an effort to reduce our burden on the environment. Doing so is part of the SDGs (Sustainable Development Goals) of our group.

We were awarded a Silver medal in 2023 as a recognition of their EcoVadis CSR (Corporate Social Responsibility) Rating.

We are a member of Sedex/Supplier Ethical Data Exchange, which is an on-line system that allows suppliers to maintain data on ethical & responsible practices and allows them to share this information with their customers.



The Good Design Award is a comprehensive evaluation program organized by Japan Industrial Design Promotion Organization (JIDPO) to promote excellent design. The program is coordinated under the Good Design Products Selection System (commonly known as the G Mark System), established in 1957 by the then Ministry of International Trade and Industry (the current Ministry of Economy, Trade and Industry).

Since then, the Good Design Awards have been given to outstanding designs for more than 50 years. The Award is one of the most prestigious design awards in Japan. Products labeled with “G Mark” are readily recognized by Japanese as well as many Asian consumers as products with supreme quality, functionality and sophisticated design.

We, Toyo-Sasaki Glass Co., Ltd. have been awarded more than 300 items.

Recently Awarded Product line

Year 1963

NAGISA



Year 1974

HS STACKABLE TUMBLER



⋮



FINO



Year 2017

GLACE



Year 2019

REFLET



Year 2024

USURAI



Glass Cloudiness

When glass appears cloudy, it can be divided into two phenomena: 1) "Weathering" and 2) "Alkali Corrosion."

1) Weathering

Weathering is a phenomenon in which alkaline components [Na (sodium), Ca (calcium)] in glass react with moisture in the air that condenses due to temperature changes during storage, producing alkaline hydroxides [NaOH, Ca(OH)₂], which then react with carbon dioxide in the air to produce compounds such as sodium carbonate (Na₂CO₃) and calcium carbonate (CaCO₃). The cloudiness, dirty-looking white substance is actually grown crystals of these compounds. Weathering can be removed using the following method.



* Left: Glass tumbler without weathering Right: Glass tumbler with weathering

How to remove weathering

- (1) Dissolve 1 teaspoon of citric acid in 200 ml of water (warm water).
- (2) Soak glass in citric acid water for a while.
- (3) Take out the glass and wash it with regular dishwashing liquid.
- (4) Wipe it with a cloth before it dries.



*Please follow the description regarding the concentration of citric acid water and the soaking time.

*If you do not follow it, the glass may be damaged and new cloudiness may occur.

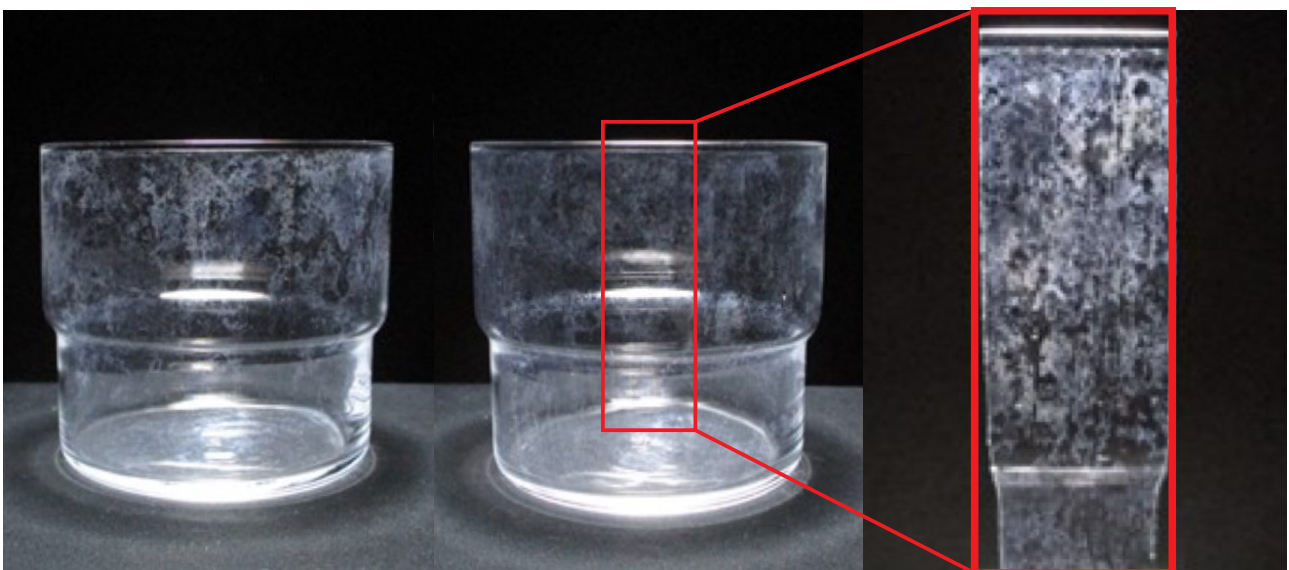
Preventive Measures for Weathering

The degree of weathering varies depending on the glass composition and environmental conditions. There are limits to what can be done with glass composition. Therefore, minimizing changes in environmental conditions is considered the most effective way to prevent weathering. However, controlling changes in environmental conditions is quite difficult, and as long as there are seasonal changes and temperature differences, it is difficult to prevent weathering from occurring. Therefore, the only effective countermeasure available is to avoid long-term storage. Please rest assured that the substances sodium carbonate and calcium carbonate that are generated are in trace amounts and are not harmful to the human body.

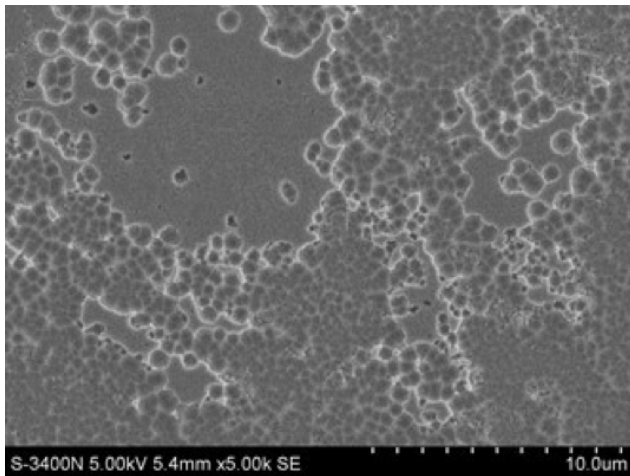
2) Alkali Corrosion

Alkaline corrosion is a phenomenon in which the glass surface is corroded by the alkaline detergent used in dishwashers, causing it to appear cloudy. Ordinary glass is corroded by the alkaline components in the detergent used in dishwashers. If this corrosion occurs unevenly, causing unevenness on the glass surface, alkaline corrosion will occur, causing the glass to appear cloudy. Once a product has been corroded, the cloudiness will not disappear no matter how much washing is done.

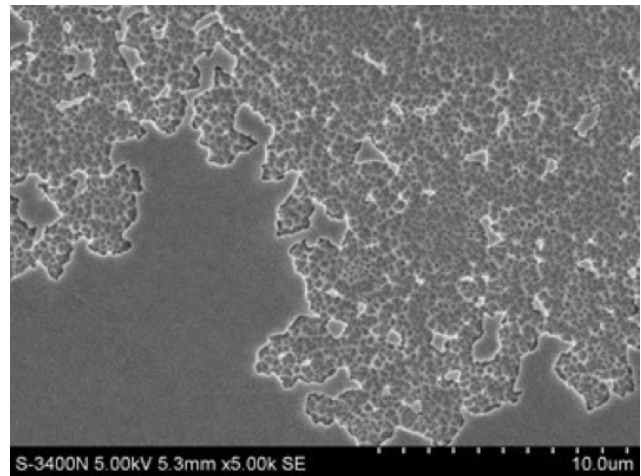
* An example of glass whose surface has been corroded by alkaline detergent, resulting in a cloudy appearance. (The photo was taken in a darkroom with overhead lighting, making it appear even cloudier.)



* The surface of alkali-corroded glass, observed under an electron microscope. The cloudy appearance of the sample is due to the unevenness of the inner and outer glass surfaces scattering light.



Inner glass surface



Outer glass surface

Preventing Alkaline Corrosion

The occurrence of alkaline corrosion varies depending on the frequency of use, the type of beverages consumed, and the type of food served with the dish.

To prevent alkaline corrosion,

- 1) We recommend regularly scrubbing with a soft sponge soaked in neutral kitchen detergent to remove any stains that cannot be removed in the dishwasher.
- 2) When using a dishwasher, be sure to rinse thoroughly to remove any residual alkaline detergent.
- 3) When using a commercial dishwasher, we recommend using a washing rack designed specifically for glassware. Also, be sure to use a washing rack that is the right size for the glassware. If the rack's partitions are too narrow, thorough cleaning will be hindered, resulting in cloudy surfaces.

Please note that once alkaline corrosion has occurred on a product, it will not disappear no matter how much cleaning is done. Please avoid rubbing the product too hard in an attempt to remove the corrosion, as this may cause scratches and damage, and may even lead to unexpected injury.

Tips on washing glassware with commercial dishwashers

Dishwashers are very convenient tools, but they use strong alkaline detergents. If used improperly, stain on glasses will not be removed sufficiently, and the alkaline content in the stain will corrode the glass surface, causing it to cloud. Visible cloudiness on the glass surface cannot be removed, so use the dishwasher properly and "Wash and Rinse thoroughly" to prevent cloudiness from occurring. Glass with gold or platinum print or luster color is delicate and cannot be used in a dishwasher.

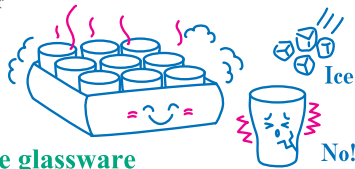
Remove heavy dirty spots from the glassware surface before operation

Since commercial dishwasher soap is often designed for repeated use, heavy food spots will pollute and thus reduce the power of the soap. Heavy and dirty spots may remain on the glassware after completing the rinsing with alkaline dishwasher soap.



Rinse the glassware thoroughly

In order to rinse off the alkaline residue of the dishwasher soap, it is recommended to set a longer rinsing time for glassware than other types of tableware. In particular, stemware and glassware with decorative patterns are easier for soap residue to stay, compared with simpler items such as straight tumblers.



Cool down the glassware before another use

Do not use the glassware while it is still warm afterwash. Abrupt temperature change (esp. going from high to low temperature, such as adding ice to a warm glass) might cause the glass to break. Wait until the glassware to reach back the room temperature.

Perform proper maintenance regularly

Clogged detergent/water nozzles and other malfunctions might prevent the dishwasher from its full washing power.

Choose the right washing rack

Having rack compartments that are too small might block the wash flow thus allow dirty spots to be remained on the glassware, while having compartments that are too large might allow the glass to fall and break. Always use racks with the right compartment size.



Use rinse agent

Use rinse agent to help dissolving the rinsing water from the glass surface. Minerals and soap residue in the rinsing water may form milky stains on the glass surface after drying. The bottom of the glass is usually where extra water is being accumulated. Use a towel to wipe it off or hold the glassware to spin the water off before drying.

Use only clean towels to rub your glassware

Dirty towels must be washed and replaced with clean ones regularly. Soiled towels that are simply dried out and reused might have their dirt spread to the cleaned glassware.

Precautions when using glassware in a dishwasher or dryer

Perform proper maintenance regularly

Operation methods vary depending on the manufacturer and model, so please read the instruction manual carefully and contact the manufacturer's customer service if you have any questions.

We do not recommend using crystal glass in a dishwasher.

Crystal glass is delicate and may break or become cloudy due to thermal shock caused by temperature changes in a dishwasher or corrosion by alkaline detergents. We do not recommend using crystal glass in any dishwasher other than those recommended by the manufacturer.

* Fine Crystal can be used in household dishwashers due to our proprietary technology.

Gold, platinum, or luster decorated glass cannot be used in a dishwasher.

The decoration may peel or become thin.

We recommend connecting to a water heater that produces gradual temperature changes (especially cooling).

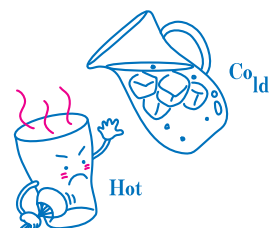
Glasses do not tolerate temperature changes (especially rapid cooling). If your model allows you to choose between a water heater and a tap connection, we generally recommend connecting to a water heater that produces gradual temperature changes. Using tap water for rinsing is not recommended, as the warmed glasses will be rapidly cooled by the rinse water.

Avoid washing scratched glassware.

Scratched glassware is more likely to break, and temperature changes during washing can cause it to break.

Allow glasses to cool before using them.

Avoid using hot glasses immediately after washing. A heated glass may crack if exposed to ice or cold water, causing a sudden temperature change (especially rapid cooling).





東洋佐々木ガラス株式会社
TOYO-SASAKI GLASS Co.,Ltd.