

Digital Guide Sheet

Casting / Forging	Stamping	Metalworking	Die	Resin	Electrical / Electronic	Rubber	Prototype	Jig / Tool	Equipment	Surface treatment	Others
							○				◎

Company name Liberty Engineering & Works Co., Ltd.		Industry / Market segment Glass wool products	
Company representative Hiroyuki Yamamoto		Location 2866-1, Takajayakomori, Tsu-shi, Mie, 514-0817	
Capital	10 million yen	Annual sales	120 million yen
No. of employees	8	Certification	
Business outline / Products Development and manufacturing of soundproof, sound absorbing, and heat insulating materials Development and manufacturing of filter media (nonwoven fabrics, etc.)		Customers / Suppliers Nippon Environment Amenity Co., Ltd., Toray Fine Chemicals Co., Ltd., Kawashima Selkon Textiles Co., Ltd., Kawakamisangyo Co., Ltd., etc.	
Overseas office		Overseas transaction	

Selling points

(1) We develop and manufacture glass wool sound absorbing/heat insulating products. (We have experience in jointly developing products with other companies.)
 (2) We also offer procurement and secondary processing of glass fiber products (glass cloths, etc.).

Technology / Product details

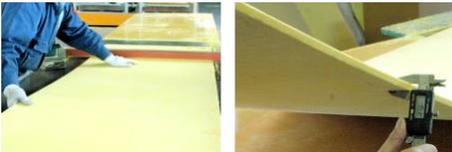
Cutting

We cut glass wool to your desired size and shape.
 We can handle various cutting types, including diagonal cutting, v-shaped grooving, notching, hole drilling, tonguing and grooving, and trimming.
 In addition to those mentioned above, we can handle various kinds of cutting types, so please feel free to consult with us.



Polishing

We make the surface of high-density glass wool boards smooth by polishing.
 After polishing, we can also measure the thickness variation of board surfaces and the hardness of boards.
 We can only polish glass wool with a density of 80 kg/m³ or more.
 For other conditions, please consult with us.



Pressing

We punch glass wool by a press machine using dies.
 Punching is suitable for products with complex shapes and dimensions that are difficult to cut, or mass-produced products.
 Processable range is 600 (W) x 700 (L) x 50 (T) or less.

Surface material laminating

In this process, surface materials will be laminated on the surface of glass wool, etc.

Lamination examples

Surface material (flat lamination)	Surface material (gakubuchi lamination)	Surface material (six side lamination)
Glass wool	Glass wool	Glass wool

We can laminate surface materials on various shapes of glass wool.
 We can also laminate them on special products, such as tubular ones (pipe cover) and sound absorption wedges.
 We also accept requests such as those for processing methods other than those shown in the examples and for compliance with non-combustibility and formaldehyde emission grades.
 Please feel free to consult with us.



Main equipment

2 Band saws (table size: 1 m x 2 m, etc.), 2 panel saws (table size: 3 m x 3 m, etc.),
 1 surface polisher: Surface polishing of inorganic fibers (processing size: 1 m x 3 m),
 1 machine for resin spraying and lamination: Lamination of cloths, etc. (Max. 1.2 m in width), and other equipment

Contact	Dept.		Person in charge	Hiroyuki Yamamoto
	TEL	059-235-1110	FAX	059-235-5100
	URL	https://liberty-ew.com	E-mail	hiroyuki.yamamoto@liberty-ew.com