



Mizuhocraft Co., Ltd.

ミズホクラフト 株式会社



WEBSITE

<http://www.mizuhocraft.co.jp>

Outline of Business

- For the aerospace industry: manufacture and delivery of various types of heaters such as polyimide heaters, and Hot Bonders (Heater Controllers) as CFRP and GFRP part repair kits
- For general industries: silicone rubber heaters, drum heaters and temperature controllers

Our Strengths

- We are manufacturing products under the Boeing's specific requirements and approved process.
- High performance based on strict quality assurance
 - Flexibility ----- can manufacture heaters to match your needs and applications
 - Free design ---- can design for any electric power level, for any size
 - Orders for a single unit ----- can handle any requests
- To satisfy all clients' needs without being bound to existing technology, we undertake the following:
 - material development
 - design development
 - manufacturing technology development
 - manufacturing facility development



BOEING737 RADOME HEATER (OUTER)

Usage Performance

BOEING 737	Japan Air Self-Defense Force KC-767
BOEING 747	Japan Air Self-Defense Force C-130H
BOEING 767	Japan Air Self-Defense Force UH-60J
BOEING 777	
BOEING 787	

Example

1. High-Flexibility Heat Blanket (Stretchable Blanket)

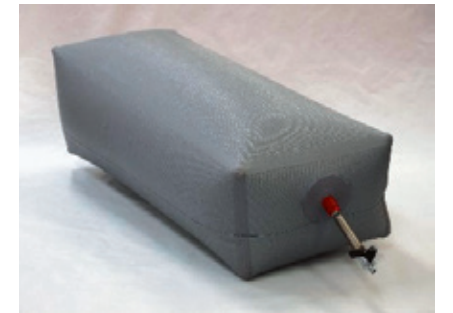
We decided to use materials with no glass fiber cloth, to make our heater more elastic than conventional products. We also made the heater as thin as possible, reducing its thickness to just 1.9mm (0.074").

With the new approach to the material itself and its thinness, we were able to create a more flexible heater.



2. Bladder Bag

1. Heat resistant to 200°C (392°F)
2. Will not break at pressures up to 6 atm
3. Should be as thin as possible (hopefully less than 0.5mm (0.019"))



3. Vacuum Heat Blanket

We put all these parts together in one device:

1. Manufactured a new heater with integrated thermocouple
2. Manufactured a new insulated silicone bag with sealant function
3. Combined the heater and bag (#1 & #2)
4. Added an insulated vacuum port to the combined heater and bag (#3)



Company Profile / Contact

Representative	Soichiro Ito	Address	109 Creation-Core, 2266-22, Anagahora, Shimoshidami, Moriyama-ku, Nagoya, Aichi 463-0003, Japan
Capital	¥10 million (US\$100,000)	TEL	+81-52-737-0190
Founded	April 2009	E-mail	s.itou@mizuhocraft.co.jp
Major Customers	Boeing, Mitsubishi Aircraft, ANA Aero Supply Systems, ANA, JAL Engineering, JAXA, Sojitz Aerospace Corporation, Singapore Airline Engineering		