

## BUILDOS, the World's Pioneer of Fireproof Fiber-Reinforced Plastic Molder, Proposes Innovative Applications in Composite.

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Capital / 10 million Japan Yen

No. of Employees / 25 ( M : 22 F : 3 Average age : 44)

### Major Applications

Interior and Exterior parts for Railway Vehicles

Parts for Railway Train Bodies

Interior parts, Lavatory Counters and Seats for aircrafts

### Major Clients (in alphabetic order)

All Nippon Airways Co., Ltd.  
Central Japan Railway Company  
Hitachi, Ltd.  
ITOCHU Corporation

JAMCO Corporation  
Kawasaki Heavy Industries, Ltd.  
Mitsubishi Chemical Corporation  
NIPPON SHARYO, LTD.

### Certification

JIS Q 9100 (certified in 2016)



### Core Technology and Expertise

- Molding of Composite materials (CFRP, GFRP)
- Molding of Fireproof Plastics;
  - incombustable, fire-resistant
  - RESIN: Phenolic, Epoxy, etc.
  - FIBER: Carbon, Glass, etc.
- Prepreg-seats

### Selling Points

BUILDOS responds to customer needs with in-house developed custom-made plastic materials, and works with customers for product development from the stage of material designing. BUILDOS is the world's very first company that developed and delivered the plastic that passed FAA (U.S. Federal Aviation Administration) standard for fire resistance. BUILDOS products also meet railway train requirements both in Japan and overseas. BUILDOS has know-hows for fire resistance, as it knows WHY this quality is necessary.

### Prospects

Decades of business history (more than 30 years in the aircraft industry and more than 20 years in the railroad industry) and the thorough knowledge of "their cultures and languages" have made BUILDOS the "hub" of composite development. Customers often make inquiries regarding non-BUILDOS products. BUILDOS has pride in bringing new materials and applications to widespread recognition and use in the markets.

### Special Notes

Production costs of Composite materials have been controlled by maintaining production bases of cooperative companies in Korea and in Vietnam.

### Others

Materials such as composites and fire-resistant plastics have been widely adopted for railroad cars and aircrafts, for their superiority in lightness and integral moldability of highly-complex designs. These materials will greatly contribute to weight reduction and safety of electric cars and public buses in near future. BUILDOS continues to develop composite materials with fire resistance and thermal insulation not just for business, but in the hope of contributing to disaster prevention.

Equipment		Unit	Equipment		Unit
Resin Transfer Molding Machine		1			
Cure Oven		5			
Painting booth		5			
Prepreg seat painting machine	w: 65 inches	1			