

## 19 COMPANY PROFILE

### Harada Vehicle Design Co., Ltd



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Website	<a href="https://www.hvd.co.jp/">https://www.hvd.co.jp/</a>
Contact Person	Fuminori Kawai
Capability Category	Engineering/Design Additive Manufacturing(3D printer)(Material,Metal/Resin) Manufacturing(prototype/mass-production) Quality Assurance
Representative	Hisamitsu Harada
Sales Amount	JPY12.5billion(US\$ about 11million)
Capital	JPY 30million(US\$ about 28,000)
Employees	97(As of 2021/January)
Established	Jul 1998
Certification	■JIS Q 9100 ■AMQ(Additive Manufacturing Quality)
Major Customers	■TOYOTA BOSHOKU CORPORATION ■AISIN CORPORATION ■Toyota Motor Corporation ■Panasonic Corporation ■Nifco Inc. ■TOYOTA IRON WORKS Co.,Ltd.

#### ■ Business Overview

We provide service from engineering to manufacturing. Capable of proposing shapes taking into account the manufacturing process with topology optimization, fulfilling engineering requirement and cost reduction by being involved in project from the development stage.

We are mass-producing flame resistant resin aircraft seat parts with injection molding, which replaced from vacuum molding. Also we engineered and manufactured aircraft operation simulator, those are part of our achievement.

#### ■ Products • Materials • Part Sizes • Facilities & Equipment

##### 【Products】

Mass-production

■Aircraft components(seat side cover made by injection molding)

■Car components(small lot)

Prototype

■Car components(seat/doorlock/interior/exterior/wire harness/software)

■Other products

##### 【Part Size, Facility & Equipment】

■CATIA V5 x36

■SolidWorks x10

■Harness Designer

■Cabling Designer x2

■EOS P396(PA) : 340×340×650 mm (13.38×13.38×25.59inch)

■ASPECT RaFaEIII(PP) : 550×550×500 mm (21.65×21.65×19.68inch)

■EOS M290(METAL) : 250×250×325 mm (9.84×9.84×12.79inch)

Larger size also can be acceptable. Please contact us.

■Faro Arm(3D coordinate measuring machine)

#### ■ Our Strength

- Whole support process from such as plan, manufacturing and inspection to quality assurance
- Engineers experienced at not only automobile but also other fields
- Consigned manufacturing experience of aircraft seat(resin parts)
- Manufacturing prototype with 3D additive manufacturing(metal/resin)
- Quick and flexible response with corporated companies(Cutting/Insert molding/mold/resin mold, vacuum molding manufactures)

#### ■ Needs we can correspond / Business partners we want

- Aircraft seat supplier
- Aircraft interior supplier
- Flying Mobility supplier(including drone)
- Other customer seeking for engineering, prototype manufacturing

#### ■ Office & Plants

- Head office : Miyoshi, Japan
- Assembly/processing/quality assurance plant : Miyoshi, Japan