Company Profile

HIKARI MANUFACTURE CO., LTD.
株式会社 光製作所

CERTIFICATION JIS Q 9100, Nadcap (CMSP), ISO 14001
WEBSITE http://www.hikariss.co.jp/

Outline of Business
Machining processing of parts for aircraft and spacecraft frames and engines. Application of processing technologies to produce a variety of products to be supplied to the market.

- Main aerospace products:
  - Aircraft parts
  - Aircraft engine parts
  - Spacecraft parts and engine parts
  - Aircraft parts for composite materials
  - Jigs for composite laminated materials
  - Design and manufacture of special devices
- Other main products:
  - Functional automotive parts
  - Hydraulic parts for construction machines

Our Strengths
- We carry out precision processing of complicated shapes of aircraft parts with many kinds of NC machines (including simultaneous 5-axis control).
- We machine all types of materials from aluminum alloys to difficult-to-cut thick titanium, stainless steel, nickel alloy, and carbon fiber reinforced plastics (CFRP).
- We use high-precision equipment and software for process setup, jig design, NC program creation, manufacture, and continuous operation to inspection.
- We manufacture various jigs, test equipment, etc. by performing design, material supply, welding, machining, and assembly adjustment in our company. This strength enables us to propose various solutions.

Facility & Equipment

Machining equipment

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Quantity</th>
<th>Manufacturer</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal 5-axis machining center</td>
<td>3</td>
<td>Mitsubishi Seiki</td>
<td>W1300mm × L1200mm × H1200mm</td>
</tr>
<tr>
<td>Bridge type 5-axis machining center</td>
<td>5</td>
<td>Shin Nippon Koki</td>
<td>W4000mm × L11000mm × H1000mm</td>
</tr>
<tr>
<td>Vertical NC lathe</td>
<td>5</td>
<td>Toshiba Machine</td>
<td>φ1100mm × H800mm</td>
</tr>
<tr>
<td>Horizontal NC lathe</td>
<td>4</td>
<td>Okuma</td>
<td>φ1000mm × L4000mm</td>
</tr>
<tr>
<td>Other NC machines (About 100)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Measuring equipment

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Quantity</th>
<th>Manufacturer</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinate measuring machine</td>
<td>3</td>
<td>Mitutoyo</td>
<td>W1000mm × L2000mm × H800mm</td>
</tr>
</tbody>
</table>

CAD/CAM system

- CATIA V5 system

Sales Amount

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales (US$ million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>35</td>
</tr>
<tr>
<td>2012</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td></td>
</tr>
<tr>
<td>2015 (Forecast)</td>
<td>36</td>
</tr>
</tbody>
</table>

Organization

- General Affairs Dept.
- Parts Production of Aerospace Division
- Equipment & Tool Fabrication Division
- Compressor & Hydraulic Parts Mass Production Division
- Production Engineering Dept.
- Quality Control Dept.
- Sale Dept.
- Manufacturing Dept.

Important Information / Notices

Fundamental Policy
To contribute to the development and welfare of society through eco-friendly manufacturing, providing quality assured products that satisfy our customers.

Company Profile / Contact

- Representative: Yoshihito Matusbara, President
- Capital: US$750,000 ($1 = ¥120)
- Major Customers: Mitsubishi Heavy Industries Co., Ltd., Fuji Heavy Industries Co., Ltd.
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