

Tottori Prefecture

SASAYAMA Co., Ltd. (Tottori City)

Designing and building dies for the rear covers of TV by precision tool and die manufacturing technology

Nippon Ceramic Co., Ltd. (Tottori City)

Producing infrared sensors by applied technology of ceramics

<p>Designing and building dies for the rear covers of TV by precision tool and die manufacturing technology</p>	<p>SASAYAMA Co., Ltd.</p> <p>4-36 Chiyomi Tottori City, Tottori Prefecture</p> <p>Established in 1972 TEL +81-857-28-6611</p> <p>http://www.sasayama-company.co.jp/</p>	 <p>Katsuki Sasayama President</p>
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Supplying with household appliances makers in Japan and Korea and having No.1 share for the rear covers of over 42-inch TV. Designing and building dies for the rear covers of TV by its precision die manufacturing technology using high-performance machine tools and equipments.

Business experiences for more than 35 years as dies and tool maker

It has business experiences for more than 35 years as a dies and tool maker and has been involved in developing press molds in all categories such as automotive parts, kitchen instruments and gas/oil equipments. It has No.1 market share of the tool and die for the rear covers of FPD. Currently it is forced to decline a part of orders due to the shortage of production capacity caused by the drastic increase of demands. Its production situation affects the production schedule of major customers considerably.

Dominance in market of molds for over 42-inch TV

It started the construction of dies for TV officially when it had received the orders of dies for TV from major electronics makers with the introduction of large machining centers for efficient production 15 years before. After that, it has shipped dies for major electronics companies to press stamping companies and dominates the market in dies for over 42-inch TV.

Gaining trust by the technology of constructing precision tool and die in short term

Its feature is to product precision dies by its high-precision forming technology which has been developed in manufacturing kitchen sinks. The precision toolings are produced by using high-performance machine tools such as CAD/CAM, CNC and grinding machine. Another feature is the capability of verifying the completeness of each part internally in short term by the introduction of 1,000-ton press machine for trial. It enables us to meet the needs of short-term delivery and gain the trust of users on quality.



High-performance machine tools



The rear cover for flat-screen TV stamped by the built die

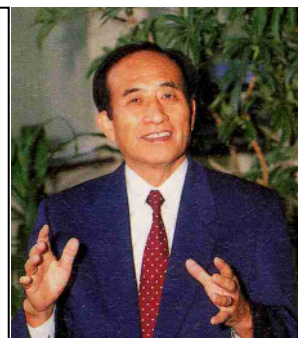
Producing infrared sensors by applied technology of ceramics

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Yasuharu Taniguchi
President

Developing infrared ray sensors through the applied technology of ceramic electronics parts and having 60% market share in the world by being used for security sensors.

System of sensor

Infrared ray sensor plays the role of eyes in human five senses. Pyroelectric effect is the phenomenon that creates the change of intrinsic polarization by absorbing thermal energy and induces electric charge to the surface. Infrared ray sensor detects the small amount of infrared ray from human body by using the pyroelectric effect of ceramic that is ferroelectric substance.

Quality and low-price are its strength.

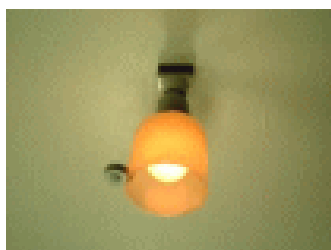
Its strength is the good quality and price of products by its R&D capability. It succeeded in producing low-cost products thanks to its internal design and manufacturing experiences of production facilities due to the capital shortage at the time of establishment, and the developments of factories into China. In 1979, it developed the pyroelectric infrared sensor having the patent in U.S.A, and outclasses others.

More applications in many areas

Infrared ray sensors are used not only in security, but also in home appliances products such as microwave oven and air-conditioner, in medical products such as thermometer and in other various kinds of aspects that is closely linked to our life. Its sensors by the ceramic technology of year's experience are highly evaluated in the world and its more developments are expected.



Various kinds of infrared sensors and optical accessories



Applied products of sensor
(Automatic lighting when people approach.)

