

**Production/Technology PR Report No.91****1. Outline of Firm**

Name of Firm	ASA ELECTRONICS INDUSTRY CO., LTD			Name of Representative	Yukihiro Asa		
				Person in Charge	Satoko Amemiya		
Activities	Manufacture of parts.			U R L	http://www.asadenshi.co.jp/		
Main Products	Various couplings, microelectromagnetic brake, magnetic close switch, non-contact switch.						
Address	Techno-eight Kodaira, 5-16-8, Ogawa Higashi-machi, Kodaira City, Tokyo						
Tel. Number	042-341-8551			FAX Number	042-341-8826		
Capital (M yen)	10	Founded in	June 1974	Sales (M yen)	500	Employees	26

**2. PR Items**




*"We manufacture various parts that support industries with our dream superposed on unique ideas and production technology, and develop our products by combining electronic and mechanical techniques."*

**History of rotation transmission system**

There are an enormous number of uses of couplings for coupling rotation axis. Considering the uses of the couplings, we develop out products. Previously, gears and belts were leaders of rotary transmissions, but recently uses of couplings have become diversified, and the number of systems and types of couplings have largely increased.

**Key point to development of coupling products**

Level of energy (torque, rotation speed, inertia of solid of rotation, etc.), type and level of misalignment between axes (eccentricity, angle of deviation, end play, sway, etc.), space, environmental conditions (water, oil, light, electromagnetic wave, dust, ambient temperature, vacuum, etc.), necessary rotation durability, cost, etc.

<b>Product group:</b>	<b>&lt;Ball&gt;</b>	<b>&lt;Oldham&gt;</b>	<b>&lt;Plastic&gt;</b>
			
	<b>optimum for large deviation angle</b>	<b>characterized by compactness and high-torque</b>	<b>electrically insulated</b>

**Non-contact polar switch for air cylinder****Outline**

Polar switch (using hole element) successfully improves precision and stability lacking in non-polar switch.

**Characteristic**

- Excellent reproducibility without repetitive displacement.
- No effect of external magnetic field.
- Excellent in temperature characteristics.

### 3. Remarks

- Our production facilities can be automatically operated for manufacture of a wide variety of products in small quantity by Yamazaki MAZC Integrex (2 units), and 5-axis horizontal machining center (one 40 chamber unit, and one 20 chamber unit).
- Acquired ISO-14001/2000 in June 2006. All our products are RoHS compatible.