



SHAPING IDEAS INTO PLASTIC

Company Profile

INCA[®] PLASTICS PHILIPPINES, INC.

INCA[®] is one of the oldest and most experienced roto-molding companies in the world. The U.S. Company pioneered and developed the process of rotational molding from dry resins in California in 1959. By 1970 INCA U.S. had expanded to 7 plants throughout the United States manufacturing thousands of plastic tanks, containers etc. per week. A separate company, INCA Plastics Philippines, Inc. was established in 1988 and was the pioneer in the roto-molding industry in the country. It houses a giant 14 feet oven, one of the largest rotomolding ovens. This enables the Philippine plant to manufacture an almost unlimited range of large durable products making it one of the biggest in addition to being one of the most modern roto molding machines globally. Currently, there are three (3) INCA manufacturing facilities in the Philippines. Other INCA factories in Asia include one plant in Port Klang Malaysia and another factory in Thailand.

INCA Plastics Philippines, a 100% Filipino owned company, also has a modern research and development facility and its own mold making shop. This makes the company a perfect fusion of U.S. technology, Filipino innovation and ingenuity that is geared towards shaping new ideas into plastics for Philippines as well as ASEAN companies.

The Process

INCA manufactures its products by using a plastic molding process known as **Rotational Molding**. To further elaborate, it is simply the process of heating & fusing powdered plastic resins inside a closed mold which is rotated to distribute the resin evenly throughout. This is done inside a huge oven where the resin is brought to a point at which it adheres to the mold and fuses completely which results in virtually indestructible, single piece, large seamless products with almost unlimited design and shape possibilities. This process is literally revolutionary because it offers industries all over the world an incredibly inexpensive alternative to metal or fiberglass. And for large size products, it's taking over where traditional processes such as injection and blow molding leave off.

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Environmental Products



Given the INCA technical capabilities, there is an almost unlimited range of products that can be produced or customized. For instance for solid waste management systems, Inca is a pioneer in waste segregation bins at source for household use and for industrial applications. Inca also produces custom waste collection bins for compactor trucks now available in the market. Inca waste segregation bins are all compliant with Republic Act 9003 or the “Ecological Solid Waste Management Act of 2000.”



Other environmentally related products of INCA include the INCA Anaerobic Septic Tank System or a mini sewage treatment plant (STP). Developed and introduced since 1994, the INCA septic tank has been tested and its performance validated by various Government Agencies and multinational companies in Malaysia, Thailand and Philippines. The INCA septic tank is compliant with Republic Act 9275 or the “Clean Water Act”.

INCA also owns various Intellectual Property Rights in the form of Trademarks and industrial design Patents in the Philippines specifically for waste management products and systems, Agricultural and Mariculture plastic products.

Advantages of INCA roto molded products:

- ▶ One piece seamless molding and Virtually indestructible
- ▶ Resistant to corrosion or acid attack
- ▶ Lightweight
- ▶ Requires no welding
- ▶ Almost unlimited custom designs, shapes and colors
- ▶ Designed to withstand extreme weather or tropical conditions
- ▶ Economical to produce and maintain



Agriculture and Fisheries

To further expand the market for Inca plastic products, INCA developed various plastic products that directly benefit farmers & fisherfolks in the Agriculture & Fisheries sectors. Direct consultations with the Philippine Rice Research Institute (Philrice) resulted in the development



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and production of the play drum seeder and harvester. Both devices improve rice productivity as well as the reduction of planting & harvesting costs. Together with the Bureau of Fisheries and Aquatic resources, Inca has introduced many plastic products that help in the total finfish production for the mariculture industry as well as in aquaculture. Plastic products such as the marine plastic cages, plastic stanchions, flotation modules, pearl cages, plastic payaws have now become common products

that help in the production, post harvest activities and quality control of our fishery products both for local and export consumption. As of now Inca continues to develop new products and methods to help



generate livelihood for the fisherfolk. The Low Volume High Density (LVHD) plastic Fish cage is a recent example of an innovative plastic product that can grow-out 1,000 grouper fingerlings in one cropping cycle. This



opens an opportunity for the ordinary fisherfolk to gain livelihood activities as well as providing for subsistence fishing for family

Chemical and Industrial Products

Inca also designs and manufacture plastic products and containers for industrial applications. Chemical drums and containers to include Intermediate Bulk Containers (IBC) are a few of the popular products of Inca. The ability of INCA to design new plastic products for industrial applications is endless, given the engineering parameters required to best suit the desired packaging solution.



Recreation and Aqua sports

Among the common applications of rotomolded products are flotation devices and aqua sports for fun



14-FT KAYAK

& recreation. Inca also designs and produce various products such as kayaks, boats, pontoons for wharfs, among others.

The Inca flat bottom boat is a multipurpose product that can be used for fishing, patrolling and even flood rescue applications. The Inca 2-seater sit-on-top kayak was designed

specifically for Philippine water-way conditions. The Inca basket Pool is a new proprietary product that seeks to promote team water sports.



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Company location & customer profile

The head office and main rotomolding facility is housed in a building located at Cupang Muntinlupa City Metro Manila. The factory and design laboratory has a total covered area of 2,400 square meters. The rotomolding machine is a three-arm carousel turret type with a spindle diameter of 14 feet. INCA has also two (2) rock & roll machines for small plastic products. Aluminum tooling or molds are all designed and fabricated at the Metro Manila plant. INCA also designs builds its own machinery to manufacture plastic products. To date, INCA has accumulated more than 350 molds to support its wide range of plastic products manufactured locally and distributed all over the Philippines and some exported to various countries around the world.

Current multinational customers include Coca Cola Bottlers Philippines, Philip Morris, Caltex, Pilipinas Shell, Petron Corp., Seaoil, Total Petroleum, Asia Pacific Breweries, Nalco Chemical Corp., Nestle Philippines, McDonalds, Jollibee, San Miguel Corporation, Leighton Contractors, Iglesia Ni Cristo, American Filters, NCH Philippines among others.

Local Government Units (LGU) Include the Cities of Makati, Pasig, Caloocan, Quezon City, Butuan, Iligan, Lapulapu and many Municipalities in the Philippines.

Inca also participates in joint research & development activities with various Government Agencies and private companies to develop new products and methods to improve the quality of life.

Inca Plastics Philippines, Inc. is registered under the Government Electronic Procurement System (GEPS) and an accredited supplier in almost all Local Government Units.

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