



SHAPING IDEAS INTO PLASTIC

Company Profile

INCA[®] 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 four (4) INCA manufacturing facilities in the Philippines. Other INCA factories in Asia include one plant in Port Klang Malaysia and another factory in Thailand.

INCA Philippines, a 100% Filipino owned company, also has a modern research and development facility and its own mold making shop. INCA is also a licensed General Engineering Contractor accredited by the Philippine Contractors Accreditation Board (PCAB). 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

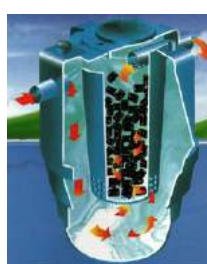
INCA manufactures its products by using a plastic molding process known as **Rotational Molding**. To further elaborate, it is simply the process of heating & fusing powdered plastic resins inside a closed mold which is rotated to distribute the resin evenly throughout. This is done inside a huge oven 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.

Visit the INCA website at <http://www.inca.com.ph>

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 and production of the rice drum seeder and harvester. Both devices improve rice productivity as well as the



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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 fisherfolks. 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. Being a licensed General Engineering Contractor, Inca engages in the design, manufacture and assembly of wharfs & docks for various industries such as mining and recreational boating industries. It also designs & builds for various condominium projects customized designs of Plastic Garbage chutes for indoor and outdoor applications.



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.



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Recreation and Aqua sports



Among the common applications of rotomolded products are flotation devices and aqua sports for fun & 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 sit-on-top kayaks were designed specifically for Philippine water-way conditions.



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 370 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 such as Papua New Guinea, Ecuador, South Africa among others.

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

Local Government Units (LGU) Include the Cities of Makati, Pasig, Caloocan, Quezon, Cebu, Butuan, Iligan, Lapulapu and various 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 Philippines, Inc. is registered under the Government Electronic Procurement System (GEPS) and an accredited supplier and contractor in almost all Local Government Units.

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Shaping ideas into Plastic

INCA PHILIPPINES, INC.

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TOLL FREE 1-800-1888-4622; <http://www.inca.com.ph>

SPECIFICATIONS OF MARICULTURE PLASTIC PRODUCTS

1. Flotation Module 1100L

- 1.1 Material: Virgin Medium density polyethylene (MDPE) UV stabilized
- 1.2 Dimensions: 3000 mmL x 1000 mmW x 380 mmH
- 1.3 Tare weight: 110 kg
- 1.4 Volume content: 1100 liters air filled
- 1.5 Load capacity: 400 kg (at 50% displacement)
- 1.6 Fastening: Sixteen (16) P.E. couplers
- 1.7 Color: Black
- 1.8 Manufacturing process: Rotational molding



2. Flotation Module 1200L

- 2.1 Material: Virgin Medium density polyethylene (MDPE) UV stabilized
- 2.2 Dimensions: 2000 mmL x 1190 mmW x 578 mmH
- 2.3 Tare weight: 48 kg
- 2.4 Volume content: 1200 liters air filled
- 2.5 Load capacity: 550 kg (at 50% displacement)
- 2.6 Fastening: four (4) mounting holes w/ metal inserts
- 2.7 Color: Black
- 2.8 Manufacturing process: Rotational molding



3. Flotation Module 650L

- 3.1 Material: Virgin, U.V. stabilized MDPE
- 3.2 Dimensions: 1500 mmL x 1190 mmW x 414 mmH
- 3.3 Tare Weight: 29 kg
- 3.4 Volume content: 650 liters air filled
- 3.5 Load capacity: 300 Kg (at 50% displacement)
- 3.6 Fastening: Four (4) mounting holes w/ metal inserts
- 3.7 Color: Black
- 3.8 Manufacturing process: Rotational Molding



4. Modular pontoons 96L

- 4.1 Material: Virgin U.V. stabilized MDPE
- 4.2 Dimensions: 490 mmL x 490 mmW x 400 mmH
- 4.3 Tare weight: 4.55 kg
- 4.4 Volume content: 96 liters
- 4.5 Load capacity: 400 kg (for every 4-pontoons)
- 4.6 Fastening: Connecting pin w/nut, distance discs
- 4.7 Color: Orange or custom colors
- 4.8 Manufacturing process: Rotational Molding





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5. Float Cushion with solar lamp

- 5.1 Material: Virgin U.V. stabilized MDPE
- 5.2 Dimensions: 645 mm dia. x 1000 mmL
- 5.3 Volume content: 156 liters
- 5.4 Fastening: at mooring section of fish cage system
- 5.5 Color: Orange
- 5.6 Solar lamp specifications:
 - 5.6.1 Lens Material: Polycarbonate casing
 - 5.6.2 Light output: Flashing at 12-16 candela
 - 5.6.3 Nominal range: 3.1km to 5 km
 - 5.6.4 Horizontal light output: 360 degrees
 - 5.6.5 Lifespan of LEDs: 100,000 hours
 - 5.6.6 Solar panel: polycrystalline UV stabilized & domed
 - 5.6.7 Maximum power: 1.1 watts
 - 5.6.8 Battery: nickel hydrogen (replaceable)
 - 5.6.9 Waterproof: as per IP67



6. Float Cushion only

- 6.1 Material: Virgin U.V. stabilized MDPE
- 6.2 Dimensions: 645 mm dia. x 1000 mmL
- 6.3 Volume content: 156 liters
- 6.4 Manufacturing process: Rotational Molding



7. Floating Station (5meters x 5meters)

- 7.1 Flotation components: MDPE Flotation modules
- 7.2 Platform: marine plywood on C-channels
- 7.3 Storage area: Plastic Storage space or containers
- 7.4 Sanitary: Plastic mobile toilet w/ septic tank
- 7.5 Mooring: ferro cement anchors



8. Portable toilet with built-in septic tank

- 8.1 Material: Virgin, U.V. stabilized MDPE
- 8.2 Dimensions: 1220 mmL x 686 mmW x 661 mmH
- 8.3 Tare Weight (Toilet & Septic tank): 25 kg
 - 8.3.1 Mobile Toilet
 - 8.3.1.1 Manual flushing 1-2 liters
 - 8.3.1.2 Type: sit or squat -on-top
 - 8.3.1.3 With toilet seat
 - 8.3.1.4 Septic Tank
 - 8.3.1.5 Anaerobic digestion of waste
 - 8.3.1.6 Tank Capacity: 350 liters
 - 8.3.1.7 Influent / effluent flow rate:
200 liters per day
 - 8.3.1.8 Hydraulic retention time:
24 hours minimum
 - 8.3.1.9 Effluent quality: <50 mmg/L B.O.D
 - 8.3.1.10 Capacity: good for two (2) personnel
 - 8.3.1.11 Trickling media filters compounded
w/ carbon: 100 pcs





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8.3.1.12 Color: Black

8.3.1.13 Manufacturing process: Rotational Molding

9. Float Ball 19" diameter

9.1 Material: Virgin U.V. stabilized MDPE

9.2 Dimensions: 483 mm diameter

9.3 Tare weight: 3.20 kg

9.4 Fastening: Ear type

9.5 Color: Orange

9.6 Manufacturing process: Rotational Molding



10. Float Buoy 42" diameter

10.1 9.1 Material: Virgin U.V. stabilized MDPE

10.2 Dimensions: 1028 mm diameter

10.3 Tare weight: 17.0 kg

10.4 Fastening: aluminum pipe at center of buoy

10.5 Color: Orange

10.6 Manufacturing process: Rotational Molding



11. Plastic Payaw (fish aggregating device)

11.1 Material: Virgin U.V. stabilized MDPE

11.2 Dimensions: 1829 mmL x 1220 mmW x 508 mmH

11.3 Tare weight: 27 kg

11.4 Color: Orange

11.5 Manufacturing process: Rotational Molding



12. Polyethylene Boat (6-seater)

12.1 Material: Virgin U.V. stabilized MDPE

12.2 Foam-in-Hull: Polyurethane for buoyancy

12.3 Dimensions: 3569 mmL x 1191 mmW x 445 mmH

12.4 Tare weight: 90.50 kg

12.5 Maximum seating capacity: 6 persons

12.6 Maximum Load capacity: 500 kg

12.7 Transom Height: 381 mm

12.8 Suggested outboard motor: 5 hp two-stroke engine

12.9 Manufacturing process: Rotational Molding



13. Low Volume High Density Fish cage (LVHD)

13.1 Material: Virgin U.V. Stabilized MDPE

13.2 Dimensions: 2910 mmL x 2320 mmW x 770 mmH

13.3 Net Volume: 25 cubic meters at 4m net length

13.4 Tare weight: 91 kg

13.5 Maximum surface load: 750 kg

13.6 Manufacturing process: rotational molding





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14. Plastic Double Stanchion for circular fish cage

- 14.1 Material: Virgin U.V. Stabilized MDPE
- 14.2 Dimensions: 831 mmL x 203 mmW x 1204 mmH
- 14.3 Pipe size: 225 mm diameter
- 14.4 Handrail size: 100 mm diameter
- 14.5 Mounting: Fastened by stainless steel bolts
- 14.6 Manufacturing process: rotational molding



15. Plastic Double collar Pipe Clamp

- 15.1 Material: Virgin U.V. Stabilized MDPE
- 15.2 Dimensions: 831 mmL x 203 mmW x 317 mmH
- 15.3 Mounting: Fastened by stainless steel bolts
- 15.4 Manufacturing process: rotational molding



16. Plastic Corner Pipe Clamp

- 16.1 Material: Virgin U.V. Stabilized MDPE
- 16.2 Dimensions: 427mm x 427mm x 287mm
- 16.3 Fasteners: Stainless steel bolts & nuts
- 16.4 Color: Black



17. Chilling Tank

- 17.1 Material: Virgin U.V. Stabilized MDPE
- 17.2 Dimensions: 1562 mmL x 915 mmW x 685 mmH
- 17.3 Volume capacity: 550 liters
- 17.4 Color: Green
- 17.5 Manufacturing process: rotational molding



18. Insulated fish box 60 liters

- 18.1 Material: Virgin U.V. Stabilized MDPE
- 18.2 Insulation: Polyurethane foam
- 18.3 Dimensions: 635 mmL x 406 mmW x 445 mmH
- 18.4 Volume capacity: 60 liters
- 18.5 Color: Blue



19. Artemia Tank 300L

- 19.1 Material: Virgin U.V. Stabilized MDPE
- 19.2 Dimensions: 838 mm diameter x 795 mm H
- 19.3 Volume capacity: 300 liters
- 19.4 Color: Top & bottom translucent white; side- black
- 19.5 Manufacturing process: rotational molding



20. Mud Crab fattening cage (6-cells)

- 20.1 Material: Virgin U.V Stabilized MDPE
- 20.2 Dimensions: 537 mmL x 1036 mmW x 300 mmH
- 20.3 Color: Black
- 20.4 Manufacturing process: injection molding





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INCA® HATCHERY TANKS MULTI-PURPOSE ABOVE GROUND SYSTEM





INCA'S Hatchery Tank is an above ground multi-functional tank. It is ideal for hatcheries both for fresh or brackish water and applicable for larval, fingerling, algal, rotifer, conditioning and treatment. It can also be utilized as a Low Volume High Density (LVHD) aboveground fish Tank with Urban Agriculture using the technology of Aquaponics – the symbiotic relationship between fish and plants wherein the plants are fed by fish waste in the effluent and the fish are supplemented with organic feeds. Made of virgin food grade polyethylene (P.E.) resin, the INCA Hatchery tank is a seamless one-piece rotomolded plastic product, compounded with Ultraviolet Stabilizers to protect it from tropical weathering. Suitable for intensive above ground grow-out of fresh water finfish such as pangasius, catfish, Tilapia, Gourami etc., it is designed for a stocking density of 100 fingerlings per cubic meter and can be expanded to form a modular unit, of say, 4 fish tanks interconnected alongside to increase grow out production. The tank is movable, portable and nestable for easy storage and transport. The tank can also be used as a chilling tank, staging or collection tank for Post harvest operations. Inlet and outlet positions of the tank can be customized making a highly versatile plastic product. Warranty is 10-years against any factory defect.



SPECIFICATIONS:

	6000 liters	2000 liters
Material	Virgin food grade polyethylene	
Upper dia.	2618 mm	1650 mm
Bottom dia.	2470 mm	1412 mm
Height	1220 mm	1220 mm
Tank color	Blue or black	Blue or black
Fittings	Custom fittings	

INCA FISH CAGE SYSTEM

SPECIFICATIONS:	AQUA CAGE 10-meter diameter Double collar stanchions	AQUA CAGE 15-meter diameter Double collar stanchions	ECONOCAGE (For high value species) 4m x 4m x 4m 4units (1 module) Single stanchions	LOW VOLUME HIGH DENSITY (LVHD) Fish Cage. Suitable for Fisherfolk fish cage operations
Cage float	225 mm diameter UV-stabilized double collar High Density Polyethylene (HDPE) floatation with polystyrene inserts, roto-molded PE stanchions, 90mm diameter UV-stabilized black PE handrail		225 mm diameter UV-stabilized High Density Polyethylene (HDPE) Pipe with polystyrene inserts, 38mm dia. plastic stanchion posts with 25mm dia. polyethylene pipe hand railing, HDPE connectors and 1"x10" wooden walkway	One piece rotomolded cage float measuring 3 meter x 2.3 meter x 4 meter net depth. With total net volume of 25 cbm. No assembly needed.
Nursery net	4 meter depth 400/9 x 17K knotted PE net, square mesh, S/S tie rings		4 units 4m x 4m x 2m depth, SD 24K knotless square mesh, PE tie rings	1 unit 3m x 2.3m x 2m depth, SD 24K knotted square mesh, PE tie rings
Grow-out net	8 meter depth 400/15 x 10K knotted PE net, square mesh, S/S tie rings		4 units 4m x 4m x 4m depth, 400 / 15 x 17K knotted PE, square mesh, S/S tie rings	1 unit 3m x 2.3m x 4m depth, 400 / 15 x 17K knotted PE, square mesh, S/S tie rings
Net Cover	Knotted PE net		Knotted PE net. (4m x 4m)	Knotted PE net (3mx2.3m)
Net weights	12 units PE casing, 20 kg. Ferro-cement weight with stainless handle and quick release hook	15 units PE casing, 20 kg. Ferro-cement weight with stainless handle and quick release hook	32 units PE casing, 10-kg Ferro-cement weight with stainless handle and quick release hook.	4 units PE casing, 10-kg Ferro-cement weight with stainless handle and quick release hook.
Mooring	4 units 1-ton Ferro-cement anchor, 30 mm PP anchor rope, counter weights and 200 liter cushion floats		6 units Ferro-cement anchor, 30 mm PP anchor rope	4 units Ferro-cement anchor, 30 mm PP anchor rope
Delivery	15 to 30 working days upon mobilization			
PHOTOS:	   			
Assembly & Installation	Buyer to provide for free, reasonable lodging for 3 technicians, Security at site until completion, 220V / 10 KW power supply or 10 KVA genset with fuel, boat to tow the cage and to ferry anchors to cage site during cage assembly work			
	INDICATIVE PRICE vat excluded and FOB Muntinlupa City:			
	PHP 352,000	PHP 485,000	PHP 332,000	PHP 60,000
Cage float	PHP 440,000	PHP 575,000	PHP 425,000	PHP 70,000
Cage float w/ nets COMPLETE	PHP 510,000	PHP 645,000	PHP 486,000	PHP 80,000



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INCA[®] PLASTIC CRAB CAGE

INCA'S Plastic Crab cage is suitable for mud crab fattening or growout for soft shell crabs production. It is an ideal cage for *Scylla Serrata* or the common green mud crab found in estuaries and mangrove areas in most Southeast Asian Countries. Marketable sizes of mud crabs range from 250 to 500 grams. Made of virgin food grade polyethylene (P.E.) resin, compounded with Ultraviolet Stabilizers to protect it from tropical weathering, every INCA crab cage has six (6) perforated compartments and can be deployed in rows floating about while partially submerged along the water surface. The color of the crab cage is black to simulate darkness in and to stimulate the nocturnal feeding habit of the crab thus increasing the growth rate. The size of the crab cage is ideal for a person to singly perform the stocking, daily feeding and monitoring and finally harvesting without difficulty. The crab cage is lightweight, can easily be transported or transferred and is much better than the traditional Aquasilv pond. A crab cage farm area of only 25 square meters with 36 units of plastic crab cages and a 12 crabs per square meter stocking density for mud will yield 216 fattened crabs in 15 to 20 days. Moreover, caged crabs results in high recovery rate of 99% due to the absence of cannibalism as compared to the 40% yield of Aquasilvi pond farms.

SPECIFICATIONS:

Material:	Virgin grade Polyethylene
Cage Size (mm):	537 Lx 1036 W x 250 H
Cage tare weight:	6 kg
Cage capacity:	six (6) crabs
Cage color:	Black
Accessories:	PP ropes for fastening and rope lining





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LOW VOLUME HIGH DENSITY (LVHD) FISH TANK for AQUAPONIC SYSTEMS

INCA'S Low Volume High Density (LVHD) aboveground fish Tank is an innovative plastic product designed to promote Urban Agriculture using the technology of Aquaponics – the symbiotic relationship between fish and plants wherein the plants are fed by fish waste in the effluent and the fish are supplemented with organic feeds. This is a bio-integrated system that links recirculating grow-out aquaculture with hydroponic vegetable, flower and/ or herb farming for sustainable all-organic food production without the use of chemicals, fertilizers and antibiotics. Made of virgin food grade UV stabilized polyethylene, the INCA 6000 liter LVHD fish tank is a seamless one-piece rotomolded product suitable for intensive grow-out of fresh water finfish such as pangasius, catfish, Tilapia, Gourami etc. The LVHD system is designed for a stocking density of 100 fingerlings per cubic meter or 600 fingerlings per fish tank and can be expanded to form a modular unit, of say, 4 fish tanks interconnected alongside to increase grow out production. A special feature at the bottom tank section is the tangential orientation of the inlet or outlet fittings that will result in a swirling effect on the water flow. This will generate a constant circular motion at the base section of the tank to agitate accumulated residue.

SPECIFICATIONS:

Material:	Virgin grade Polyethylene
Upper diameter:	2618 mm (8.60 feet)
Bottom diameter:	2470 mm (8 feet)
Height:	1220 mm (4 feet)
Tank capacity:	6000 liters (1500 gallons)
Tank color:	Blue, Black, Green
Fittings: size:	¾" to 2" diameter



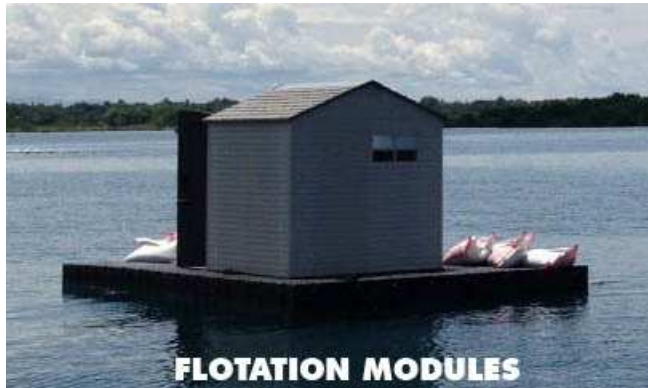


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INCA® FLOTATION MODULES



FLOTATION MODULES



Floating plastic work station in Carcar Cebu for a fish cage farm project

Flotation Module 1100L (1100 liters)

3000 mmL x 1000 mmW x 380 mmH x 10 mm thick

Load of 400 Kg per module at an immersion draft of 200 mm.

Under side of the module is hollow to maintain stability & buoyancy even if the module is punctured or damaged. Suitable for floating work stations, loading/ unloading platforms, walkways, and wharfs.



Boat loading wharf station in Zamboanga

Modular Flotation Modules 96L

490mmL x 490mm W x 400mmH

Max load of 400 kgs every 4-pontoons at immersion draft of 200mm



650 Liters Flotation Module

Flotation Module 650L

1500mmLx1200mmLx

415mmH

Max load: 300 kg



1200 Liters Flotation Module

Flotation Module 1200L

2000mmLx1190mmWx

578mmH

Max load 550 kg

Flotation Modules suited for supporting floating load bearing systems such ramps, gangways, pipes for mine tailings along waterways. Buoyancy and draft can be adjusted with water filling provision.

All plastic products are made of Virgin food grade High or Medium Density Polyethylene resin compounded with Ultraviolet stabilizers for protection against tropical weather conditions

FOR MORE SPECIFICATIONS AND QUOTATION PLEASE CALL INCA PHILIPPINES, INC.
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INCA[®] FLAT BOTTOM PLASTIC BOAT

The INCA BOAT is a **SAFE AND DURABLE ONE PIECE DOUBLE WALL SEAMLESS PRODUCT** made from rotationally molded tough virgin polyethylene (MDPE) plastic. Absolutely rust free, it does not crack, chip or fade due to the addition of Ultraviolet Stabilizers. Unlike rubber boats, it does not puncture upon collision with sharp objects. Bottom section is filled with Polyurethane foam or Polyethylene foam to ensure stability and buoyancy. Versatile to fit with various outboard gas motors from 3.3 hp to 5 hp or with electric trolling motors with a transom height of 15 inches, the Inca Boat is easy to transport and maneuver weighing only less than 200 lbs. The boat can accommodate 6-persons or 1000 lbs (500 kg) load. Suitable for recreation along shorelines, harbors, fun at beach resorts or swimming pools. During extreme weather conditions, it can even serve as a rescue boat in heavily flooded highly urbanized centers. Available in **YELLOW** and **ORANGE** standard colors .



SPECIFICATIONS:

OUTER DIMENSIONS: 140" (3569 mm) L x 47" (1191 mm) W x 17.5" (445 mm) H

SEATING CAPACITY: Six (6) persons

LOADING CAPACITY: 1,000 lb. (500 kg.)

APPROXIMATE GROSS WEIGHT: 199 lb. (90.50 kg.)

TRANSOM HEIGHT: 15"

ACCESSORIES: Comes with two (2) single oar paddles; two (2) removable plastic seats

OPTIONAL ACCESSORY: Custom Trailer or 5 Hp Yamaha Outboard motor with clamp holder



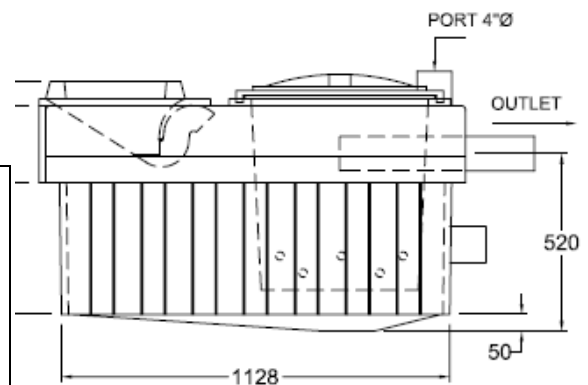
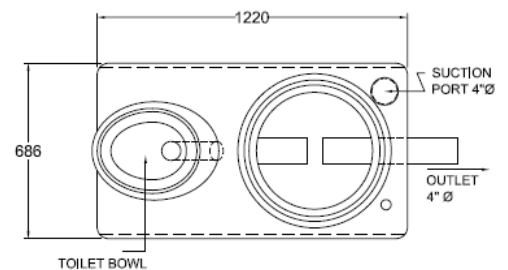
Shaping ideas into Plastic

INCA PHILIPPINES, INC.

Bldg. no. 4 Philcrest Compound West Service Rd.,
Cupang Muntinlupa City, Metro Manila Philippines
Tel. +63 2 850 0482; 809 2730; Fax. +63 2 809 1108
TOLL FREE 1-800-1888-4622; <http://www.inca.com.ph>

INCA® PORTABLE TOILET WITH BUILT-IN SEPTIC TANK (STA 350L)

Offshore floating stations in mariculture zones have inadequate waste disposal systems for workers assigned in these floating stations. Consequently, human excreta are directly disposed to the sea, river or lake, creating an unsanitary and unacceptable environmental situation. The Plastic Toilet with built-in septic tank is a stand alone, compact human wastewater collection & disposal facility using the natural process of anaerobic decomposition with sea or fresh water. It is designed for floating work stations or offshore offices within Mariculture parks. The waste water from the toilet (or effluent) is discharge with an expected <50 mg/L B.O.D.5., the DENR standard for wastewater discharged to Class C waters. The unique design & shape allows for a 350 liters anaerobic septic tank to be built-in in the system loaded with trickling media filters. Moreover, the external design of the product allows it to be mass produced in one seamless piece by plastic rotational molding giving the overall ribbed-structure more durability with any static loads. The shape and dimension of the product is measured in such as manner so that the septic tank portion can be located outdoor (aboveground) while the toilet is inside a covered room. Made of virgin food grade, U.V. stabilized polyethylene resin, it is lightweight, does not rust, chip or fade and colored black to absorb heat for maximum bacterial growth inside the septic tank. The Toilet can withstand extreme & severe offshore weather conditions yet it is simple to assemble with easy handling & transport and with no regular maintenance while installed. The size of the Toilet is designed for two (2) working personnel residing on site and has an expected 5-year working life before it needs to be de-sludged (or internals cleaned) and reused again.



SPECIFICATIONS:

<u>Material:</u>	Virgin Polyethylene, UV stabilized
<u>Dimensions:</u>	1220 mmL x 686 mmW x 661 mmH
<u>Accessories:</u>	Toilet seat & cover
<u>Tank gross capacity:</u>	350 liters w/ trickling media filters
<u>Standard Color:</u>	Black



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SSF/x SLOW SAND FILTER

Safe Drinking Water from Surface and Deepwell Water Sources

Licensed technology from Blackburn & Associates of Sea Ranch California U.S.A.

The SSF/x slow sand filter produces high quality, biologically safe drinking water from various sources including shallow and deep wells, streams, springs, lakes and ponds. The SSF/x combines reliable and time-honored principles with modern innovation to remove up to 99.99% of bacteria, viruses, Giardia, eColi, Criptosporidium, cysts, and parasites through perdition or biological and physical processes. The SSF/x also removes turbidity (cloudiness) and reduces iron, manganese, and other common contaminates. The SSF/x requires no electricity or chemicals. The SSF/x can be installed and completely maintained by minimally trained personnel. The filter tank is made from Food Grade Virgin Polyethylene material approved by the U.S. F.D.A. Slow sand filters are recognized as Superior Technology by the U.S. E.P.A. (United States Environmental Protection Agency), and the World Health Organization (W.H.O.). The SSF/x is capable of producing up to 1,800 gallons per day of clean, safe and potable water.



SSF/x FILTER TANK SPECIFICATIONS

Tank Material:	Food Grade Virgin Polyethylene, UV stabilized for outdoor use.
Top diameter:	1240 mm (49")
Bottom diameter:	1010 mm (40")
Total height:	1526 mm (60")
Body height:	1323 mm (52")
Cover height:	203 mm (8")
Tank volume:	1000 liters (250 gallons)
Comes with:	
	→One (1) Plastic ball valve
	→One (1) Inlet Float valve w/ fittings
	→One (1) Outlet Plastic control valve
	→Plastic piping manifold
	→Washed & Graded Sand & Gravel filter media
	→Instruction Manual

INCA WATER TANKS

The better alternative to Stainless steel

- Absolutely rust-free
- No metal-like after taste or odor
- Virtually indestructible
- Food Grade Polyethylene with U.V. Stabilizers
- Ten-year Guarantee against factory defects
- Accepted in U.S. For over 40 years



Vertical above ground Tanks

370 liters	30" dia. X 33.5" H
700 liters	37.5" dia. X 41" H
1000 liters	39.75" dia. X 54.25" H
1500 liters	39.75" dia. X 84" H
2000 liters	39.75" dia. X 102" H
4200 liters	65" dia. x 86"H
7000 liters	71.50" dia. x 120"H
10000 liters	90" dia. x 111" H

Round bottom Tanks w/ metal stand

550 liters	32" dia. X 49.75" H
1050 liters	39.75" dia. X 61" H
<u>Flat Bottom Nestable tanks</u>	
460 liters	35.75" dia. X 39.5" H
925 liters	44.5" dia. X 47" H
780 liters	53" L x 53" W x 27" H

Horizontal above ground Tanks

1000 liters	40" dia. X 55" L X 46" H
1500 liters	40" dia. X 77" L X 46" H
2000 liters	40" dia. X 99" L X 46" H
2500 liters	40" dia. X 121" L X 46" H

***Also suitable for cistern or septic tanks*

INCA PHILIPPINES, INC.

Factory and Office: Bldg. 4 Philcrest Compound Km. 23 West Service road, Cupang, Muntinlupa City, Philippines
 Tel. Nos. +63 2 809 2776; 809 2730; 850 0482; 850 0372; FAX 809 1108; TOLL FREE 1-800-1888-INCA; <http://www.inca.com.ph>
 Cebu City Regional office Tel. No. (032) 233 7917; (032) 233 5805; FAX (032) 233 4307



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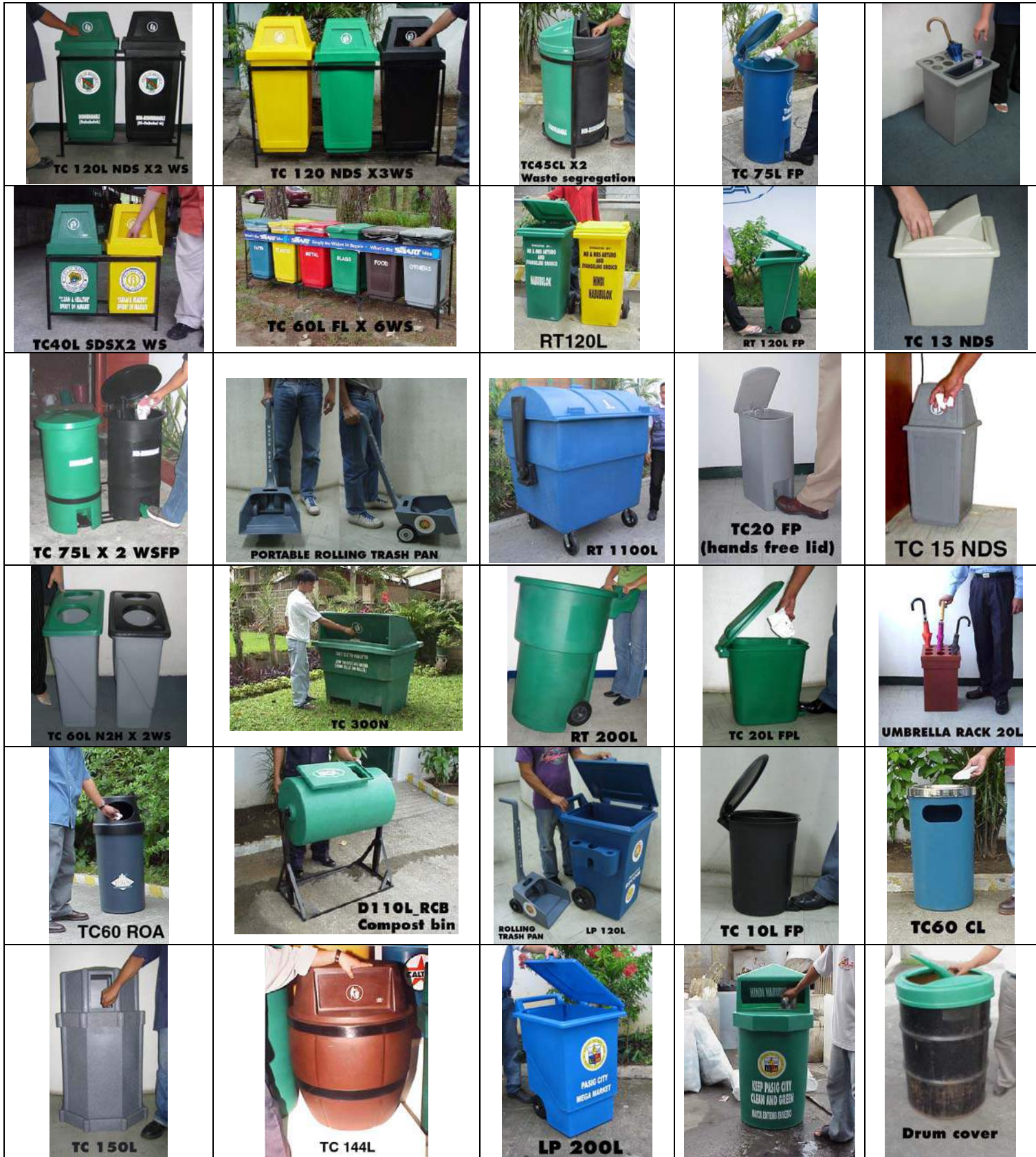
MODIFIED CONCRETE ARTIFICIAL REEF

Concrete Artificial Reefs have been identified worldwide as one of the effective management interventions in the preservation and rehabilitation of depleted marine natural habitat. It provides artificial shelter, serves as breeding ground for various forms of depleted marine life and now adopted by Fishery Managers as one of potential production and enhancement tools in sustainable programs in Aquaculture. Now, INCA Engineers have come up with an innovative design that will immensely facilitate the deployment of precasts concrete modules from pre-casting phase and hauling to offshore deployment while decreasing the volume of concrete materials needed yet maximizing the effective coverage area and without reducing the structural soundness of the project. INCA'S Modified Artificial Reef is a combination of concrete members and proprietary plastic connectors assembled together to form a durable artificial reef structure. Made of Virgin Polyethylene and manufactured by rotational molding, the plastic connectors are designed to adopt to various configurations of the artificial reefs and are easily assembled with built-in fasteners.

SPECIFICATIONS:

Material:	Virgin Polyethylene
Dimensions:	1012 mm cube
Vertical concrete:	1000 mm x 146 mm x 146 mm
Horizontal concrete:	750 mm x 146 mm x 146 mm
Total Weight:	750 kg
Connector types:	3-way, 4-way, 5-way
Connector color:	Black
Accessories:	Bolt connectors





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<http://www.inca.com.ph>; toll free tel: 1-800-1888-4622

**BUY PINOY
 BUILD PINOY**