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Effective
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iconplastics.com.au

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TANK HOUSE

Capabilities

Icon Plastics is a privately owned and operated Australian business employing approximately 250 staff. Operating for over 50 years the internal strengths and opportunities have cemented Icon's place in the Australian plastics conversion market. Both viable and diversified, Icon is in good stead to continue growing in the future.

Icon's ability to meet customer requirements and quality expectations have earned us the reputation of a supplier that can be counted on.

icon Australia

- 2 sites in **Hallam** (head office)
- **Seaford**
- **Doveton**
- **Brisbane**

Offices:

- South Australia
 - New South Wales
 - Tasmania
 - Western Australia
-
- South Africa



Brisbane

Size	11,000 m2
Equipment	16 Extruders 25mm to 90mm [twin screw PVC] 17 Injection moulding [15 tonne up to 350 tonne]
Tool Room	
Assembly	

With warehouses and representation in all Australian states, USA, Europe, South America, Asia and New Zealand and exporting to 28 countries and quality accreditations including Quality TS-16949:2008 and ISO9001:2008, Icon Plastics clearly has the capacity and experience to deliver from the simple to the complex; the small to large; the local to global!

Employing approximately 250 staff at 4 manufacturing locations in Victoria and Queensland



Hallam

Size 11,000 m2

Equipment 23 Injection moulders [up to 1,500 tonnes]

25Lt Blow moulders

2 Vertical 35T - 80T

17 Extruders [1/4 inch up to 6 inch]

Co-Extrusion capabilities

Dual (twin) material injection moulding

Assembly

Tool Room

Doveton

HASAP | TGA APPROVED



Size 2,000 m2

Equipment 11 Extruders

Exclusive "Tube Extrusion"

Seaford

HASAP | TGA APPROVED



Size 3,000 m2

Equipment 14 Blow moulders [5Lt]

2 Injection blow machines

2 Preformer machines

7 Injection moulding [up to 400 tonnes]

2 Liquid Silicone Rubber [up to 200 tonnes]

Screen printing and pad printing

Assembly







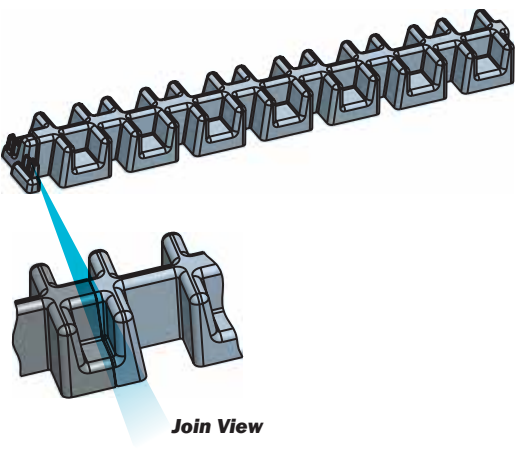
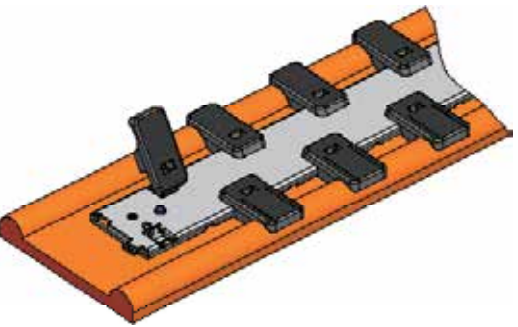
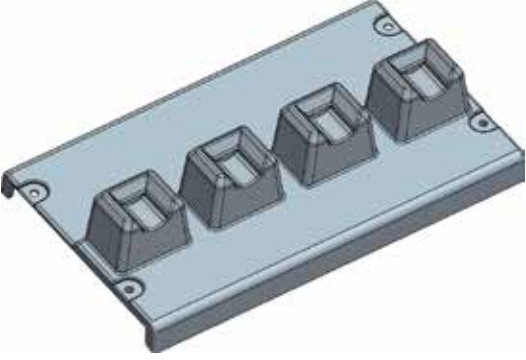
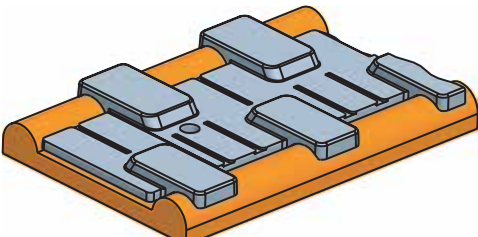
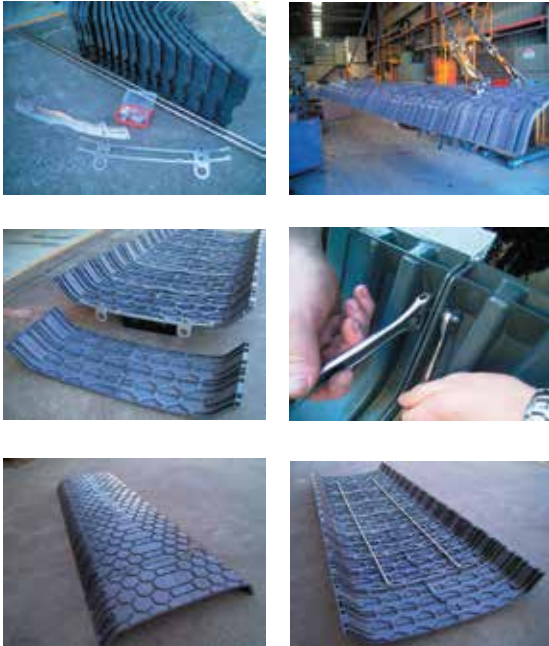
Illustration	Name	Part No.	Description
	CATHODE EDGE STRIP	IM05	<i>The IM05 edge strip is the established market leader because of its superior quality, durability and strength. Fitted to the edges of stainless steel cathode plates with punched side edge strip retention holes, the IM05 edge strip protects against envelope copper growth allowing copper to be machine stripped. All IM05 edge strips are made to your plants custom requirements.</i>
	STARTER STRIP	IM03	<i>When fitted to Titanium starter plates the IM03 starter strip provides a long service life due to the excellent seal and cathode plate retention properties. The IM03 starter strip is manufactured from the same polymer as our world leading IM05 cathode edge strip. The IM03 starter strips are custom made to your plants requirements.</i>
	SIDE MOUNT ANODE SPACERS	IM03	<i>The side mount anode spacers are manufactures to fit both 6 and 9mm thick lead anodes. Designed to provide the perfect anode to cathode spacing, these spacers are manufactured from a high grade polymer selected for its high resistance to chemical attack and impact strength. The Icon Plastics side mount anode spacers are the perfect solution for tank-houses looking for increased operational efficiency while reducing costs.</i>
	CATHODE EDGE STRIP	IM09	<i>The IM09 Cathode Edge Strip has been developed to suit cathode plates that do not have any side retention holes. Utilising an innovative locking bar, the IM09 is securely held onto the cathode plate and this high degree of grip is maintained throughout the copper growth and harvesting cycle. Manufactured from a high grade polymer, the IM09 Cathode Edge Strip offers a great alternative to the lock bar type strips already available. All IM09 Strips are custom made to your plants requirements.</i>
	NICKEL EDGE-STRIP		<i>The Nickel Cathode Edge Strip is a high quality, durable and economical edge-strip designed for use in modern nickel refineries. Manufactured from high- grade engineering plastics, it provides protection from nickel growth around edges of the cathode plate.. The edge-strip is available in standard lengths of 1300mm and 1400mm. Other lengths are available on application.</i>
	3 STRIP SYSTEM	IM07	<i>The IM07 3 Strip System is the perfect solution for preventing corner nodule growth when bottom edge strips are used. Supplied as a full assembly, the IM07 is easy to install, exceptionally strong and durable. The system is custom made to suit your plant and utilises all of our standard fitting accessories.</i>

Illustration	Name	Description
	SERRATED TOP PIN	<p>The serrated top pin is used in conjunction with the multi-pin retainers to ensure the edge strips are retained in place.</p> <p>Only one pin is needed at the top of each strip.</p>
	CRANE LOCATION PYRAMID	<p>Our crane location Pyramid provides an accurate location point for automated tank-house crane systems. Manufactured from a tough engineering grade polymer, they are produced in a highly visible bright orange colour.</p>
	ANODE SPACER - BUTTON STYLE	<p>The Icon Plastics anode spacers are supplied in two halves and screw together to provide the ideal spacing between anodes and cathode plates. The anode spacers are available for 6.0 and 9.0mm anodes and while white is the standard colour, custom colours to suit your own plants requirements are available.</p>
	FLEXIBLE TOP PIN	<p>The Flexible Top Pin is manufactured from a high-grade rubberized plastic. It allows for a small amount of movement between the edge strip and cathode plate without fracturing the top pin or the top pin hole.</p>
	ANODE SPACER - PEG STYLE	<p>The peg style anode spacer is manufactured from the same material as our market leading cathode edge strips. It is designed to fit all anode sizes and provides a simple yet durable solution to anode spacing.</p>
	MULTI-PIN RETAINER	<p>The multi-pin retainers are used to attach the IM05 cathode edge strips to the sides of stainless steel cathode plates with punched side edge strip retention holes.</p> <p>The multi-pin retainers are available with 4, 5 or 6 pins.</p>

Illustration	Name	Description
 <p>Join View</p>	<p>CELL TOP CAPPING BOARD ELECTRO WINNING</p>	<p><i>High melt point (+3500C). No poisonous emissions if burnt High degree of thermal stability Low mould cost High impact strength Fast turnaround time from ordering Exceptionally accurate mouldings</i></p>
	<p>REPLACEABLE TAB BUS BAR INSULATOR ELECTRO REFINING</p>	<p><i>Icon Plastics manufacture a wide range of Cell Top Furniture for customers world wide. Icon have now developed the high temperature Unized material for this demanding application. Unized enables the Bus Bar Insulators and Cell Top Capping Boards to be manufactured with improved benefits over the traditional materials.</i></p>
	<p>CELL TOP CAPPING BOARD ELECTRO WINNING</p>	<p><i>All versions will be custom made to suit your plants requirements. Icon Plastics can supply full engineering facilities to assist with the product design.</i></p>
	<p>BUS BAR INSULATOR ELECTRO REFINING</p>	

Illustration

Description



Developed in association with leading refineries around the world, the Icon Plastics Modular Mist Hood System has been designed specifically for precious metals refining systems.

Manufactured from a high grade chemical resistant polymer (Uniply), the Icon Plastics Mist Hood can be easily adapted to any sized cell with open or closed ends, and open or closed weirs. Engineered with convenience in mind, the Icon Plastics Mist Hood is easy and cost effective to transport due to its compact modular design, with assembly requiring two spanners and one pair of pliers. Once assembled, the Mist Hood has a lightweight stainless steel skeleton for strength, which also provides lifting points for overhead cranes.

The use of Uniply and stainless steel provides excellent resistance to chemicals, providing a corrosion and rust free system which is also capable of withstanding extreme temperatures.



Tank House

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