



CONDAMINE WELLSCREENS

Manufacturers of engineered solutions
for all applications using stainless steel wedge wire

Leading Supplier to the Mining, Water, Food Processing,
Sewerage and Agricultural Industries.

- Round Screens ● Flat Screens ● Sieve Bend
- Trommels ● Centrifuge Baskets ● Suction Strainers

Exclusive New Zealand Distributor:



INDUSTRIAL
Minerals (NZ) Ltd

Freephone NZ 0800 646 372
Freephone AU 1800 309 734

148 Bush Road Albany Private Box 302 660, North Harbour, 0751

...History...

Condamine Wellscreens Pty Ltd was incorporated in Australia in 1993. The company is completely Australian owned and operated from Toowoomba Queensland, Australia. We purchased our first screen fabrication machine and began the production of water well screens in 1994. This machine was the first electronically controlled machine of its type in the world and had the capacity to make screens from 150mm. to 400mm. in diameter. It was modified to allow the manufacture of water well screens in the 50mm. to 600mm. range.

Our business focus is to supply the water drilling sector with quality screening products and personalized service at a reasonable price.

With our considerable stocks of round wire and wedge wire, we can provide reliable and timely supply of wedge wire, we also have the ability to design and manufacture applications specific products. In 1998 we built a manufacturing factory dedicated to screen fabrication.

In 1999 we added our electro-polishing facility to further enhance the anti-corrosion performance of our stainless steel screen products. We have the capability to polish screens up to 6 metres in length and continue to finish our screens in this manner to ensure maximum life of product.

In 2000 our second screen fabricator doubled our capacity. In 2001 installation of a high pressure abrasive water jet cutter increased the accuracy and versatility with which we could cut flat screen products. 2002 saw the commencement of work on a large diameter screen machine. This was completed in 2007 to enable us to manufacture screen drums up to 1400mm. in diameter and 6 metres long.

Condamine Wellscreens can now efficiently produce a wide range of flat panel sizes and construction types for the mining, sieving and sorting industries. Condamine Wellscreens has completed many wedge wire screen projects both in Australia and overseas. These have included screens for water wells, petrochemical decks and grids, brewery screens, vibratory deck screens, dredge suction screens, filters, rotating trommel screens, sieve bends and DSM screens, walkway and footpath screens, surrounds for swimming pools, spiral staircases and numerous others. Throughout our development, we

have always been mindful of improving our processes, reliability and products. We have always installed up-to-date equipment and we now have workshop facilities of 1700 m² and a workforce of 20. We continue to look for ways to improve our products and techniques with current upgrades including a robotic welding cell, semi-automatic welding for gratings and semi-automatic cutting of large screen cylinders. In all of these, our bottom line is not only to provide excellent products but also to make sure that they are supplied on time, where they are required and at reasonable prices.



...Business Focus...

Our business focus is to supply the water drilling sector with quality screening products and personalized service at a reasonable price.

We manufacture screens for water wells, petro-chemical decks and grids, brewery screens, vibratory deck screens, dredge suction screens, filters, rotating trommel screens, sieve bends and DSM screens, walkway and footpaths screens, surrounds for swimming pools, spiral staircases and numerous others.

We manufacture screens from 50mm to 600mm diameter.

We have a large diameter screen machine to manufacture screen drums up to 1400mm in diameter and 6 metres long.

We produce a wide range of flat panel sizes and construction types for the mining, sieving and sorting industries.

We maintain large stocks of round wire and wedge wire, to provide reliable and timely supply of wedge wire.

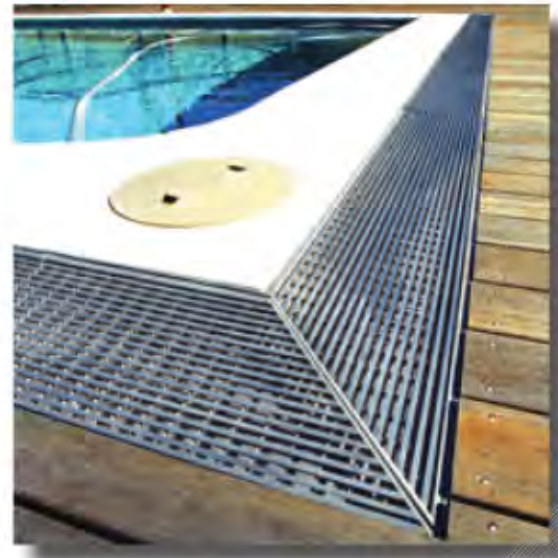
We design and manufacture applications for specific products.

We electro polish screens up to 6 metres in length to ensure maximum life of our product.

A high pressure abrasive water jet cutter increases the accuracy and versatility to cut flat screen products.

Condamine Wellscreens has completed many wedge wire screen projects both in Australia and overseas.

We continue to look for new technologies including a robotic welding cell, semi-automatic welding for gratings and semi-automatic cutting of large screen cylinders.



Mission Statement

'Personalised service of quality product to our customers is the key to our ongoing success.'

...Company Milestones...

1993

Condamine Wellscreens Pty Ltd was incorporated in Australia in 1993. The company is fully Australian owned and operated from Toowoomba Queensland, Australia.

1994

Our first screen fabrication machine and began production of water well screens. This machine was the first electronically controlled machine of its type in the world and had the capacity to make screens from 150mm. to 400mm. diameter. It was modified to allow manufacture of water well screens in the 50mm. to 600mm. range.

1998

Built a manufacturing factory dedicated to screen fabrication.

1999

Add electro-polishing facility. We have the capability to polish screens up to 6 metres in length and continue to finish our screens in this manner to ensure maximum life of product.

2000

In 2000 our second screen fabricator doubled our capacity.

2001

In 2001 installation of a high pressure abrasive water jet cutter increased the accuracy and versatility with which we could cut flat screen products.

2002

commencement of work on a large diameter screen machine to enable us to manufacture screen drums up to 1400mm. in diameter and 6 metres long.

2007

This was completed in 2007 to enable us to manufacture screen drums up to 1400mm in diameter and 6 metres long.

2010

Factory Extensions Completed.



...Why Use Wedge Wire ...

During well development, it is necessary to increase the permeability of the natural formation to produce a highly efficient well. To achieve this, fine particles must be removed from the formation around the screen. Particles must pass through the screen and be removed from the well.

A sand or gravel particle needs only to pass the outer edge of a wedge wire slot in order to pass through the screen. There is very little chance for the sand grain to "catch".

In any screen with slots of parallel sides, a particle needs to pass the entire depth of the slot in order to pump through. There is a high chance of the particle clogging the slot.

A sand grain can easily lodge in a round hole or square mesh and become clogged.

Wedge wire screens give high open area, are self cleaning and can be made high strength.

...Electro Polishing...

Electro-polishing enhances the corrosion resistance and appearance of stainless steel after it has been processed and fabricated. The surface of stainless steel is left rich in chrome and nickel which gives the material greatly improved corrosion resistance and a bright shiny finish.

In the case of wedge wire screens, all areas which are heat affected during screen manufacture and welding, have corrosion resistance maximised by electro-polishing. The products are given smooth shiny surfaces.

...Screen Manufacturing ...

At Condamine Wellscreens, we maintain 950 square metres of under roof facilities and 3000 square meters of open yard to enable us to manufacture all wedge wire screens in house.

Our screen manufacturing equipment and machinery uses precision mechanical components matched with up to date computer controlled technology that is second to none in the world - in fact we were the first in the world to have fully integrated electronic control.

We are able to program our machines to accurately and consistently produce the screen slot sizes required to give you optimum filtration. Our machine operators are highly skilled and constantly monitor the screen slot as screens are being manufactured. The integrity of the welded joints between the wedge wire and longitudinal is also closely checked

on a regular basis to ensure a long life. All of our screens are electrochemically polished in our own polish system. Used at the end of manufacture, this process gives our stainless steel products the very best chance of an extended service life and corrosion resistance.



...Products and Specifications...

Screens, filters, grates and other wedge wire products from Condamine Wellscreens, give continuous slot openings that widen inwardly. This makes the screen self-cleaning by allowing "near slot size" particles to pass through the screen rather than plug the opening.

Wedge wire screens have a high open area by comparison with other screen media. This gives lower entrance velocities and higher flow rates through the screen. In the case of bore screens and pump suction screens, pumping costs are lower.

Condamine Wellscreens wedge wire products are made by continuously winding a wrap wire onto a frame of support rods. This is done on precision built, electronically controlled machinery which ensures consistently high strength, precise slot openings and product durability.



Water Bore Screens

Manufactured in diameters from: 50 mm. I/dia to 1400 mm. O/dia. Lengths to 6 metres. Quantities from 0.5m to full export containers. All wedge wire wrap construction.

- Wedge wire size designed and manufactured to suit required collapse pressure.
- Support rod number and size to suit required screen tensile loads.
- Sieve analysis can be performed to standards recognised by Australian Drilling Industry Association.
- Screen slot size variable to suit formation/application.
- Standard screen range to match steel and inert casing sizes.
- Screens manufactured with fittings to match casing in use.
- Standard materials are Stainless Steel 304 & 316.
- Other Stainless Steel grades and materials can be used.
- All stainless steel screens electropolished after manufacture



Sand Spears Points and Washdowns by order.

- Standard length 600mm.
- Standard slot sizes 0.25, 0.5, 0.75 mm. (others by special order).
- Standard top fitting is 50mm BSP socket.
- Bottom plate standard.
- Standard material is Stainless Steel 304.
- Bottom Points and Washdowns by order.

Strainers

Standard materials are Stainless Steel 304. Other Stainless Steel grades and materials can be used. Sieve analysis can be performed to standards recognised by Australian Drilling Industry Association. Open water and river bed suction screens and infiltration galleries.

- Open water and river bed suction screens and infiltration galleries.
- We will manufacture to your design requirements.
- Marine cooling water strainers.
- Hose suction strainers for mining and dewatering.
- Agricultural suction line strainers and in line filters.
- S/S material grades to suit application.

Suction Screens

Standard materials are Stainless Steel 304. Other Stainless Steel grades and materials can be used. Sieve analysis can be performed to standards recognised by Australian Drilling Industry Association. Open water and river bed suction screens and infiltration galleries.

- Open water and river bed suction screens and infiltration galleries.
- We will manufacture to your design requirements.
- Marine cooling water strainers.
- Hose suction strainers for mining and dewatering.
- Agricultural suction line strainers and in line filters.
- S/S material grades to suit application.



Leading Supplier to the Mining, Water, Food Processing,
Sewerage and Agricultural Industries.

- Round Screens ● Flat Screens ● Sieve Bend
- Trommels ● Centrifuge Baskets ● Suction Strainers

Exclusive New Zealand Distributor:



INDUSTRIAL
Minerals (NZ) Ltd

Freephone NZ 0800 646 372
Freephone AU 1800 309 734

148 Bush Road Albany Private Box 302 660, North Harbour, 0751