



mining quarrying cement construction earthmoving utilities water treatment material handling

power transmission solutions...total drive solutions...design to commissioning...spares, service and beyond...we work with you, as a partner in your business...and, we work very hard to exceed your expectations...it has to be Brevini Australia



Brevini in Australia began operations in the 1970s, starting as an agency arrangement with a local company. Today, Brevini Australia is well established in the field of power transmission in the local marketplace. Covering the entire continent is a network of plants, offices and distributors in Sydney, Melbourne, Brisbane and Perth.

Working to the approach of total commitment to our customers, we, at Brevini Australia, hold an extensive stock of gear modules from the Brevini Power Transmission group of manufacturers. To this, we add value through Australian design and manufacture of housing, shafts and bearings, as well as design and manufacture of full systems, including turn-key projects, we put ourselves forward as a one-stop source for power transmission solutions.

The Brevini philosophy centres around gear units which have been manufactured since the 1960s. These units are inspired by simple ideas like ruggedness, compactness and strength. From humble beginnings, Brevini has grown into a worldwide manufacturer of power transmission products used in most fields of human endeavour— from industry to agriculture, transport to mining.



Our extensive planetary gear products range includes:

> **Industrial Series Modular Planetary Gear Box Range** - Output torque ratings from 300 to 35,000 Nm. In-line and right angle versions. Extensive range of input and output configurations, including foot mount, shaft mount and flange mount.



> **Shaft Mounted Planetary Gear Units and Geared Motor Series PD** - AC and DC electric motors integrally mounted or gear unit only - to suit mounting of your motor. Hydraulic and air motors integrally mounted or to suit your supply. Male input shaft and brakes available as standard.



> **S Series Planetary Gearboxes** - Output torque ratings from 20,000 to 1,100,000 Nm. In-line and right angle versions. Shaft mounted with shrink disc, female splined and male cylindrical outputs.

> **High Power Gear Units** - A combined planetary and bevel helical gear unit range, designed to transmit higher powers in the low to medium speed range.



> **PWD and SLW Series Winch Drives** - Rotating housing planetary gearboxes with integrated brakes and various motor options. Torque ranges from 3,000 to 850,000 Nm. In drum design for compact winches. DNV type approval on these winches is available.

> **Wheel Drive and Track Drive Units Series RX, CWD and CTU** - for mobile equipment. Available with integral brakes and motors.

> **Planetary Slewing Drives Series RPR and SLS** - High strength output housing, integral brakes, alloy steel output slewing pinion forged integral with output shaft, with various motor and brake options.



PIV Drives, part of the Brevini Power Transmission group of companies, has a large range of Helical and Bevel Helical gearboxes.

PIV gearboxes are manufactured in Germany, using state of the art gear production technology, taking advantage of standardisation of parts and modularity, to achieve short delivery times.

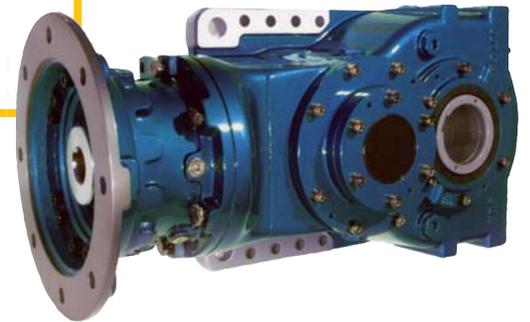
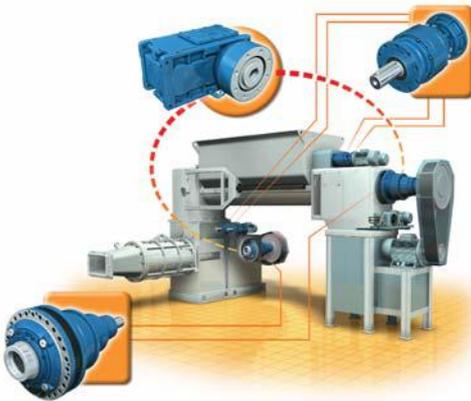
The quality of the PIV range is guaranteed by the advanced in-house design, special heat treatment and production techniques.

The Posired 2 standard modular design has:

- > 1-4 stage Helical gears
- > 2-4 stage Bevel Helical gears
- > 19 sizes
- > Power up to 5,000 kW
- > Torque up to 460,000 Nm
- > Ratios from 1.25:1 up to 710:1
- > A wide range of standard options and accessories
- > Special application units available.

PIV's extensive range of accessories increases the adaptability of these gearboxes. The PIV Drives range also includes large planetary gear units from 1,000,000 to 2,500,000 Nm.

PIV



PIVPOSIPLAN

PIVPosiplan, another part of the Brevini Power Transmission group of companies, supplies a unique product, which combines planetary and helical gears.

Extremely reliable, these units are very compact - while

achieving similar performance and reliability to traditional helical and bevel-helical gearboxes. The smaller dimensions (and weight) gives the user advantages both in cost and application versatility.

Modular in design, a wide range of ratios is available. The gearbox is mostly shaft mounted, with a range of through type hollow output shafts.

Many inputs and couplings are available, as well as backstops.





Brevini Fluid Power offers the following product groups:

> **Brevini Hydraulics Proportional Valves** - maximum flows of up to 240 lpm, maximum pressure of 330 bar, with up to 10 modules.

> **Samhydraulik Piston Products** - Fixed and variable pumps and motors with maximum pressure to 350 bar (continuous) and 450 (peak). Transmission pumps with up to 120 cc/rev. Bent axis pumps and motor 12 - 266 cc/rev. and axial piston pumps up to 90 cc/rev.

> **Samhydraulik Orbital Products: BGM, BG, BR, HPR and HT** - Varying sizes up to 500 cc/rev. Varying speeds 975 -1900 rpm and maximum pressure to 210 bar.

> **Samhydraulik Steering Valves MPS and PSC** - up to 50 - 400 cc/rev.



> **VPS Brevini** - Monoblock valves 60 lpm, up to 5 bank; modular valves 35, 60, 100 and 200 lpm up to 10 bank 400 bar, service port functions; gear pumps and motors.

> **Hydr-App Products** - PTO gearboxes and reduction units. Mechanical and electro-mechanical clutches. Bell housings, couplings and power units.



Brevini Australia also markets an extensive range of ancillary products, including:

> **Aron** - Directional control valves, ranging from cetop 2 through to cetop 8.

> **Emmegi Heat Exchangers** - Air to oil type up to 120 kW; water to oil type up to 300 kW; plate type up to 1,200 kW.

> **PT Tech** - Specialised Clutches and Brakes - Covers a wide range of specialised applications. The range includes torque limiters, hoist and trolley brakes, bridge brakes and hydraulic brakes and a microprocessor-controlled hydraulic clutch, believed to be the first ever released into the marketplace. The system uses patented clutch controller technology only available from PT Tech.

> **Stuwe** - Shrink Disc - High performance shaft locking devices for shaft-mounted gearboxes.

> **Brevini Integrated Drives** - Incorporating ABB DTC drives for demanding high torque material handling applications

> **La Leonessa** - Slew Rings - Easily take axial and radial loads, available in a light range (mainly for agricultural applications) and heavy duty range, in diameters ranging from 300 to 1800 mm. Used in a range of applications like stacker machines, cranes, excavators, access platforms, forestry machinery and so on.



Brevini Australia also markets a wide range of winch products and are able to cover just about any application requiring the use of winches. Compact, robust and built to last, these winches are designed for use in the toughest environments. The range covers: *Brevini Winches*, *Pullmaster Winches* and *Custom Made Winches*.

> **Brevini Winches** are shaped to allow a wide range of applications. These compact units are quality made to provide high hydraulic and mechanical efficiency. Brevini Winches are also characterised by: compactness and ease of installation.

All units have hydraulic motors, either axial piston or orbital style, totally integrated into the winch drum together with a planetary design reduction unit, housed in the drum. Line pull capabilities for Brevini Winches are in the range from 0.6 kN to 66 kN.

> **Pullmaster Planetary Winches** feature an automatic disc brake, which has both static and dynamic brake functions. A counter balance or brake

valve is not needed for smooth and positive control of a decelerating load.

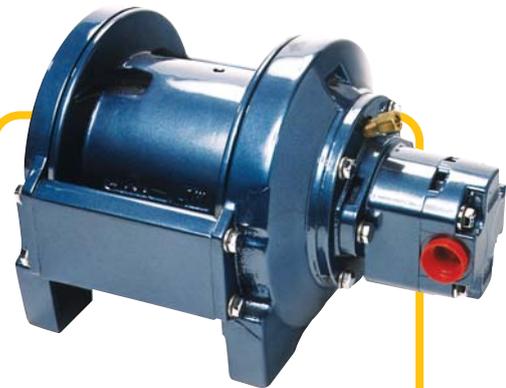
These winches are available in three basic types: equal speed in both directions, rapid reverse, free fall and recovery winches.

> **Custom Made Winches** provide our customers with unique solutions, designed for reliability and long service life.

All units feature an innovative design and are made using the highest quality materials. Brevini design engineers provide optimum solutions for specialised application.

Custom made winches can be equipped with electric, air, or hydraulic motors.

Options available include motor controls, rotary limit switches, clutches, cable tensioners, grooved drums and various marine survey certifications.



Brevini Service is an operational division of Brevini Australia. Organised to provide our customers that little extra reassurance for our customers, their decision to buy Brevini is a good one.

We don't stop with the sale of our product, we make sure you get full service and back-up. Our large stock holding in Australia is your assurance that not only can we supply your gearbox ex-stock—we can also back this up, if and when required, with the necessary spare parts.

As a division of the company, Brevini Service has the necessary resources to assure you that your enquiry is taken seriously. We pull out all stops to get your plant operational quickly, should you encounter a breakdown.

We know your gearbox is only a small part of your plant or process. If this breaks down, you can't afford to wait for the repair of your equipment. Your plant's return to operation is our principal goal.

We have service facilities in a number of locations Australia-wide, to better serve our customers' needs. From these facilities, we also provide on-site service when needed.

Our service is not just centred on repair, as we also offer upgrade and refurbishment.

We also aim to keep your maintenance overheads as low as possible.



mining quarrying cement construction earthmoving utilities water treatment material handling

Brevini Australia is part of the worldwide Brevini Power Transmission group of companies. The group has commitment to our customers around the world. This commitment is illustrated by the establishment of local companies in each country and the formation of assembly and service facilities in each major centre to support each market in a complete and professional manner.



Brevini Australia Pty Ltd ABN 56 060 007 150

Phone 1300 657 771 Facsimile 1300 657 781

Branches throughout Australia

www.brevini.com.au