



WOOD INDUSTRY SOLUTIONS



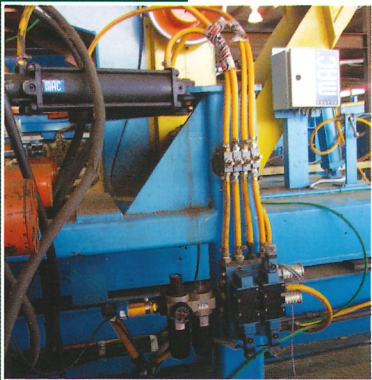
MAC Valves Pacific...

Mac Valves Pacific is a wholly owned subsidiary of Mac Valves Inc. It was formed by MVI to develop the Asia/Pacific region for its parent company back in 1984.

MVI relocated the manufacturing base in 1999, and at this point Mac Valves Pacific decided to enter the local Pneumatics market. Being solely a valve manufacturer it was necessary to find other products that would compliment the Mac Valve range.

Our goal at MVP was to find other reputable products which when combined with Mac valves would provide customer solutions with minimal downtime and high life expectancy resulting in a low cost of ownership.

Products such as Royal Heavy Duty Cylinders, Bonesi VDMA Cylinders, Legris Fittings, Edco Vacuum Products, Peters Din Plugs and Oilrite Lubrication Systems are all single component companies focused on being the best in their respective fields.



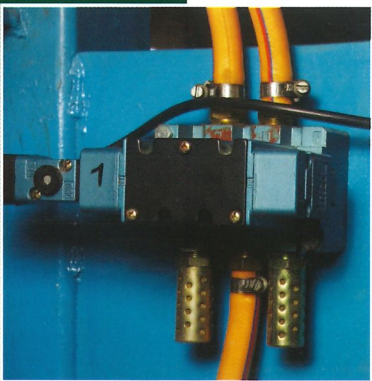
MAC Valves

Globally recognized as a Wood Industry Standard, MAC Valves are renowned for their ability & performance in often severe application conditions.

Designed for long life, MAC has a Valve solution for any application, from the High Flow requirements for Debarkers, Lumber Jacks, Log Turners, Load Arms, Sweeps and Cam Loaders, through to the high speed requirements of Lug Loaders, Multi-Trimmers, Optimizing Decks, Board Edgers, Planers, Stackers, and Diverter Cylinders.

MAC Valves are able to be activated by Manual Lever, Remote Air or by an electrical Solenoid, the array of voltage options cover all industry voltages, both AC & DC. Electrical connections can be either plug-in, flying lead or via a DIN-plug.

All Valves have a manual operator, this is of assistance in Setup, Service, & Diagnostic Field Operations, and these are available in lockable, recessed, or external button options.

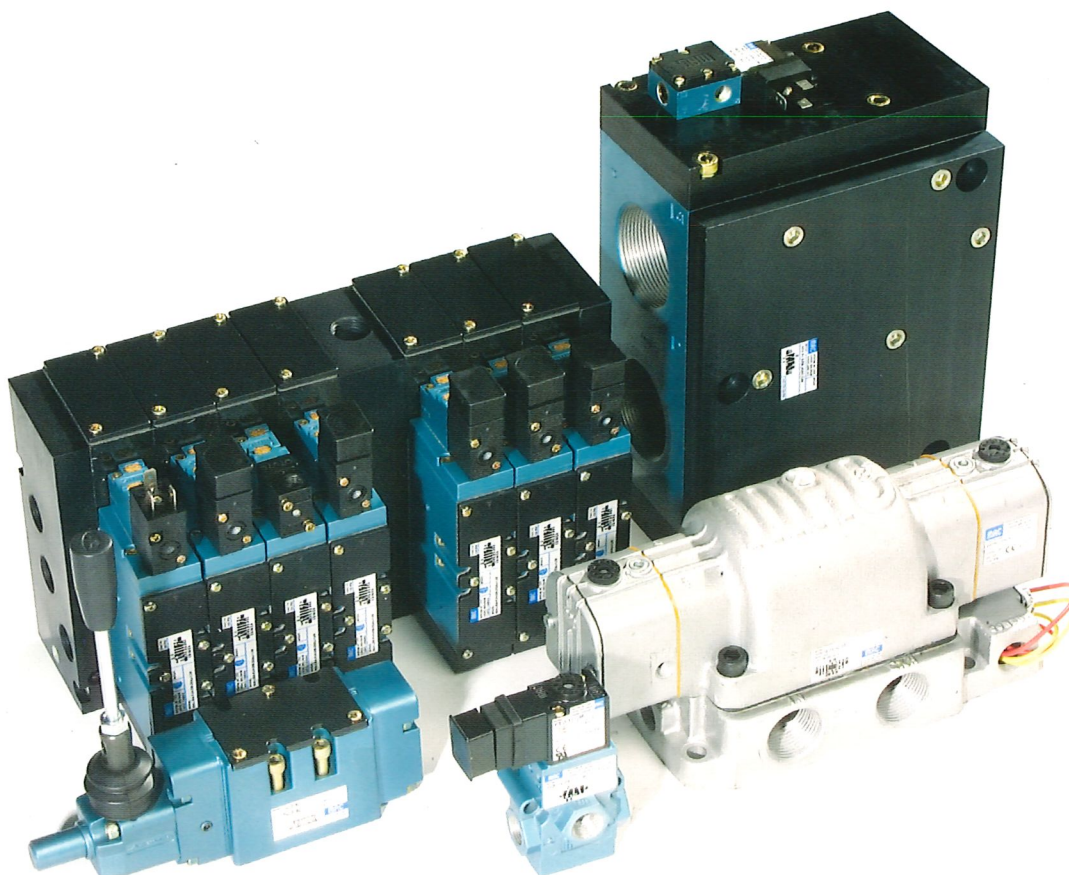


MDN: MAC Distribution Network

Closely coordinated global sales and technical support network comprised of over 1000 associates.

On site at customer request ensuring smooth start up, providing product training, ensuring full understanding of MAC's solutions and benefits.

Working together with customers to design special optimised product solutions for applications in specific industries.

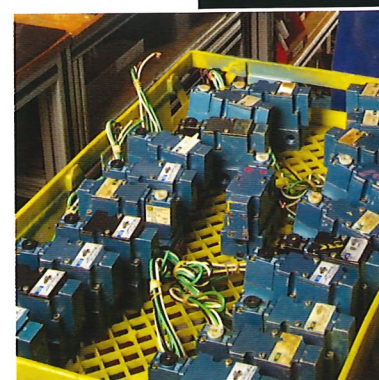
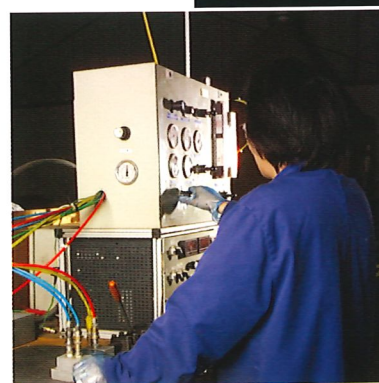


The MAC 18 month guarantee plus lifetime coil guarantee...

All Mac Valves are guaranteed for a period of eighteen months from the original date of shipment from our factory. In addition to this eighteen month Guarantee, Mac Valves, Inc. guarantees the electrical coils on every one of the valves for life. Every valve fully tested prior to shipment.

The MAC flat rate rebuild program...

Valves no longer covered by the MAC Guarantee can be rebuilt under the Flat Rate Rebuild program. Our constant research and testing program is dedicated to extending the life of our valves and making them even more reliable under the most adverse operating conditions. Valves returned under this program are completely disassembled, inspected, rebuilt to current operating standards wherever possible, tested and returned within a few weeks for a nominal flat rate charge. All rebuilt valves carry for 90 days from date of shipment from our factory the same guarantee as provided for new valves.





Cylinders

Mac Valves Pacific, with its in-house Workshop and Machine Shop, is able to manufacture an array of cylinder solutions that best suit the application, and often with very short lead times.

Royal Cylinders

MVP manufactures the "Royal" brand of cylinders. These Canadian designed Cylinders are regarded as the industry standard throughout North America and Pacific-rim countries. Royal is the standard specification cylinder for both Equipment manufacturers and Wood-processing companies.

Mill-Duty Cylinders

The "R"-Series is the predominant Mill Duty Cylinder. Available ex-stock up to 10" Bores; these are the Cylinder for High Load applications such as Lumber Jacks, Log Turners, Load Arms, Debarkers, Flippers, Kickers, and Sweeps.

The Cylinders are also ideal for High Speed Applications such as Lug Loaders, Multi-Trimmers, High Speed Board Systems, Edgers, Veneer Knock-offs, Binsorter Diverters,

NFPA Cylinders

The NFPA (National Fluid Power Association) Standard from North America applies to many pieces of Equipment Manufactured in the Pacific Rim and North America.

MVP manufactures NFPA Cylinders from the "Royal" Brand. The "L"-Series is made from the same long-life materials as the heavy-duty R-Series.

These "Square" Cylinders are often found on Log Carriages, Edgers, Gangsaws, Resaws, and are often used as Pin-stops, Hold-downs, and in Pneumatic Networks applications.





ISO 6431/VDMA 24562 Cylinders

MVP manufactures the "Bonesi" brand of ISO/VDMA Cylinders. These European designed and sourced Cylinders are often found on European Sourced/Designed Equipment. These medium-duty Cylinders are found in many Optimizing Board systems, Board Stackers, Control Systems, Planers & Moulders, Cross-cuts, Dry-mill Sorters, & Remanufacturing Plants. Also due to their predominantly Alloy Componentry, these Cylinders are often used in outdoor applications.

MVP has a number of Solutions that can extend the service performance/life expectancy of these Cylinders. Standard and non-standard strokes are available.

Round Style Cylinders

MVP is able to supply Round-style Cylinders in both imperial & metric sizes, also available to ISO 6432 standard, these cylinders are found in Board Stackers, Planers, Moulders, Dry-Mill or Remanufacturing applications for Pinstops, Hook-Stops, Kickers, Infeed and Outfeed tables and Automatic Board Optimizing equipment.

Specialist Cylinders

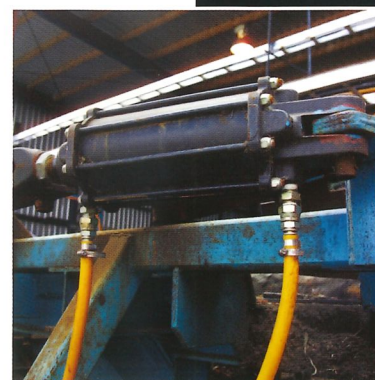
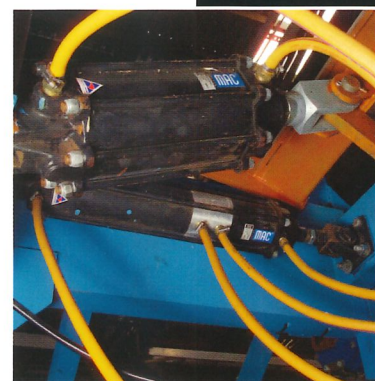
MVP is able to supply a broad range of specialist application cylinders, from flat cylinders for Babbitt molds, Air Bags for lift chains, lug loaders, and bump stops, Pneu-turn Actuators for process valves and vent control applications, Impact cylinders for silos & hoppers, PPC Cylinders for Kilns & Heat plants, Transducer Cylinders for lineal positioning applications.

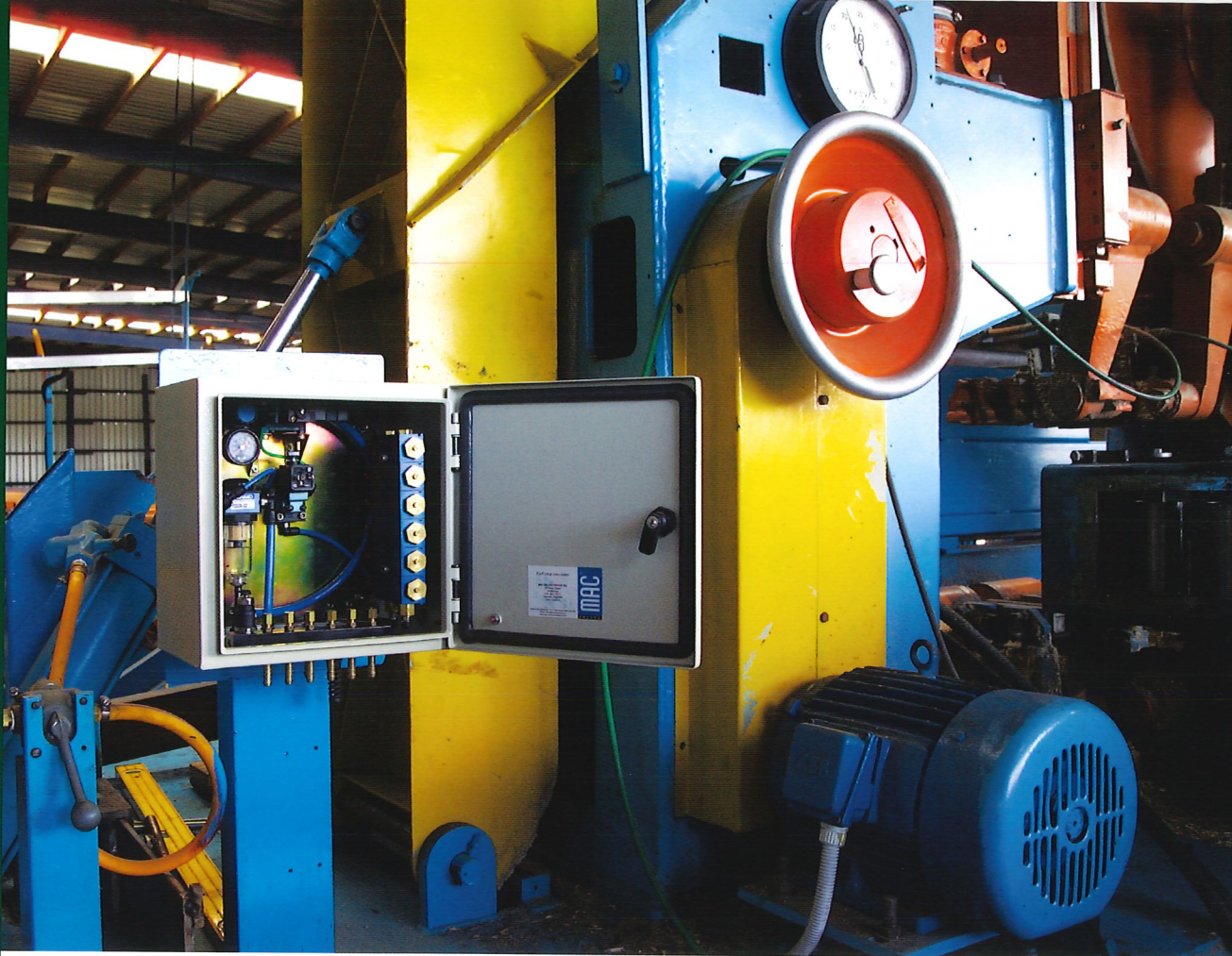
Non Standard Cylinders

MVP is able to source or design & manufacture non-standard solutions to meet your specialist application, our Engineers have manufactured Cylinders in many different materials both Ferrous & non Ferrous. Contact MVP to discuss your application.

Hydraulic Cylinders

MVP is able to supply a number of Hydraulic Cylinder Solutions, "Royal" NFPA 5000psi Hydraulic Cylinders for Pre-Position tables, Chip bins, Sawdust hoppers, Stick Placers, Also "Royal" Transducer Cylinders for Hydraulic Positioning on Carriage, Band-saw, Edger, & Trim-line set-works. We also have a range of low pressure Hydraulic cylinders (250psi & 500psi) available from the USA.





Lubrication Solutions

MVP manufacture customized lubrication solutions for the Woodproducts industry. Based around the Purgex® pump by Oilrite, these pumps and associated componentry are either housed within a dustproof enclosure or panel mounted; able to dispense Liquids, Greases (up to EP2) or a Liquid spray/mist, these pumps are tested for over 360 million cycles without appreciable wear.

The liquid dispensing pumps suit applications such as lubricating wear-slides, transmission & conveyor chains (either by direct drip/stream or via brushes / pads), for oil dosing into saw-box saw-lube systems (air, oil, water), lineal ball races in veneer lay-up zones, Debarker ring lube systems.

The Grease dispensing pumps suit applications such as machine centre central lube systems, bedrolls in Saw-boxes, Resaws, Hori's, saw shifter bars in Edgers/Gangs, Pin-stop bearings, Picker bearings.

The Liquid Spray/Mist system is ideal for applications such as Band-saw lubrication, Arbor Bearing Mist lube systems, Dryer chain lubrication, J-Bar chain lubrication, Sharp Chain lubrication, High Speed Feeder or Unloader chain lubrication, Finger jointer head lubrication, Splitting saw lubrication.

In addition to the in-house customized solutions, MVP is also able to supply systems and components from Oil-rite Corporation, many popular accessories such as brushes (flat or round), manual flow adjusters, & reservoirs are already available ex-stock from MVP.



Air Springs

MVP is an authorized Distributor of the "Firestone" Range of Air Springs (Air-Bags), from the Airmount® Isolators for Vibrating conveyors, Chip & Sawdust Shaker screens, Fan or Machine base isolation to the Airstroke® Actuators for Lift-chains, Jump-rolls, Bump stops, & Lug loaders etc.

Often overlooked for linear actuator applications, Air springs are often the ideal solution for heavy lifts within a short stroke envelope, or where space is at a premium.

Air Service Units

MVP supplies an extensive range of Air Service Units, Filters, Regulators, & Lubricators. These are available from a range of manufacturers from Europe, Pacific Rim & North America to suit a varied and wide number of applications. Standard modular style FRL's are available, in all the common sizes from 1/4" BSP to 1" BSP.

Regulators for specialist applications, Low or fixed pressure, remote pilot operated, high flow, aggressive environments, miniature or small envelope requirement are all readily available.

Filters from general purpose through to coalescing and carbon activated filters for instrument air or breathing air applications are available as well as specialist filters for compressor room applications (pre & after filters)

Air Dryers

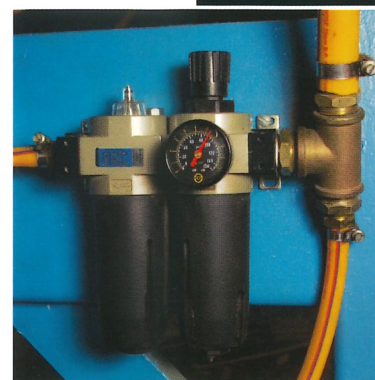
MVP is a National Distributor for Donaldson Filtration Solutions, both Desiccant and Refrigerated Dryers are readily available, the Donaldson Ultrafilter Ultralogic Quality Air refrigerant dryer is the ideal solution for plants that suffer from high water content in their compressed air, the downstream costs associated with high condensate in compressed air systems is well documented, a lot of these costs would be eliminated with a correctly specified refrigerant dryer.

Fittings

MVP is the National Distributor of the Legris® range of Pneumatic fittings, renowned for their innovative designs and compact physical dimensions, the range includes push-fit fittings in plastic, nickel-plate brass and stainless steel, compression fittings in brass, specialized lubrication system fittings, push-fit style function fittings and a range of Technical tubing options in various materials; Rigid & semi-rigid nylon, PE. & PU. being amongst the most commonly used the Woodproducts industries.

Vacuum

Amongst the emerging technologies in Woodproducts Industries is the increasing use of Vacuum systems, auto & semi-auto fillet stick systems amongst the leading users of this technology, MVP is the National Distributor for the "EDCO" range of USA Sourced Vacuum products, the full range of Vacuum generators, Vacuum cups and associated fittings and filters are available.





MAC VALVES PACIFIC INC.

20 Alfred Street, Onehunga, Auckland, New Zealand

PO Box 12221, Penrose, Auckland, New Zealand

Phone: 64 9 634 9400, Fax: 64 9 634 9401

NZ freephone: 0800 770 780

Aust freephone: 1800 551 874

Email: sales@macvalves.co.nz

www.macvalves.co.nz