



ROWCROP EQUIPMENT





OUR SAFETY CULTURE

Gessner is committed to a “Total Safety” culture with a zero harm approach that is supported by proven safety systems, a committed management and a pro-active workforce.

Our systems of work are continuously monitored to improve safety performance as we recognise that our employees, assets, reputation and the environment cannot be compromised.

All employees and subcontractors are fully engaged and a culture based on mutual respect ensures that best practice in safe and efficient manufacturing techniques are implemented and adopted.

OUR PEOPLE

Gessner is an employer of choice - this is supported by a strong record in employee retention. Our Board and Senior Management possess a complementary mix of skills and experience, together with a proven track record of delivering outcomes for clients across Australia and Overseas.

OUR CLIENTS

Gessner services:

- The agricultural industry with tillage, planting and sugar cane equipment.
- The construction industry with the manufacture of construction equipment attachments including rippers, buckets, blades, canopies and land development equipment.
- The mining industry with special production push blades for dozers and rehabilitation of wear items including buckets and dozer blades.

OUR PRODUCTS

Whilst the majority of Gessner products are “standard design”, all product configurations are checked (and altered where necessary) to meet client requirements. As part of the Gessner upgrade all current product designs have been reviewed to ensure they are engineered to meet safe operating standards and are competitively priced without compromising quality.

OUR FACILITY

With over 4,000 sqm of manufacturing and operational facilities and a suite of modern, well-maintained plant and equipment, Gessner has the ability to manufacture all equipment in-house, with machining and fabrication capabilities that can meet the demand of short lead times when required.

OUR SYSTEMS

Developed over many years with a related software developer, Gessner’s purpose built Operational Information Management System delivers up-to-date reporting on all aspects of the business and is capable of tracking the progress of all work being undertaken and managing client delivery expectations and equipment performance.

GESSNER INDUSTRIES PTY LTD

Gessner Industries specialises in the design and manufacture of equipment for the Agricultural, Construction and Mining industries throughout Australia, Africa and Asia.

Gessner Industries has operated continuously for more than 43 years. Founded by Noel and Lindsay Gessner the company has built a reputation for manufacturing quality, well-designed and durable products that provide consistent performance in challenging environments. Following the purchase in July 2013 of Gessner Industries by Michael and Jim O'Connor – formerly the owners of MPH Rural – a fresh and focused upgrade to the Gessner capability and capacity has been implemented – this based on combining the industry experience and expertise of the long term Gessner staff and the resources and experience of the new ownership.

Operating from a modern manufacturing and spare parts facility in Toowoomba, QLD, Gessner employs a permanent, capable and experienced workforce focused on safety, quality and efficiency.

Being the preferred supplier of quality, fit for purpose and competitively priced equipment is the Gessner objective. Our collaborative approach to business that involves clients, suppliers and employees, ensures our products remain innovative and competitive.

This commitment to customer service is further supported by a comprehensive spare parts inventory and delivery system that provides a fast and accurate response to client requirements.



“THE PREFERRED SUPPLIER OF QUALITY, FIT FOR PURPOSE AND COMPETITIVELY PRICED EQUIPMENT...”



CENTRE BUSTER & COMBO/FERTILISER RIG



Gessner Centre Busters are designed to provide a highly effective solution for a wide variety of row-crop tillage applications. Featuring a durable, field-proven frame design in widths ranging from 4 row to 12 row and hard-wearing customisable attachments, Gessner Centre Busters are fully equipped to cater for all of your row-crop and dry-land tillage requirements.

Gessner offer a wide range of fertiliser systems designed to compliment your existing row-crop implement. Row-crop fertiliser systems may be purchased in a 4, 6, 8 or 12 row configuration with a range of capacity options ranging from 0.8t through to 3t.

PRODUCT FEATURES:

- 178mm x 178mm x 9.5mm toolbars and bridge.
- Heavy-duty wrap around clamped spreader bars.
- Fixed and adjustable shank options.
- CAT 3 and 4 quick hitch.
- Depth wheel assemblies vary depending on machine size:
- 7.50 x 16 Medium-Duty depth wheels on 4 and 6 row machines
- 11.00 x 16 Heavy-Duty depth wheels on 8 and 12 row machines
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OPTIONAL ACCESSORIES:

- Hydraulic frame folding kit.
- Heavy-duty stabiliser disc assembly.
- Shank tooling including sweeps, furrowers, gas applicators and more.





SIDE BUSTER & CLYDESDALE SIDE BUSTER



Gessner Industries Side Busters are designed to provide the ultimate row-crop tillage solution through durable design and customisation options. Ranging from 4 row to 8 row tyne spacing with folding frame capacity on larger machines and fertiliser application options, Gessner is sure to provide a Side Buster solution that meets all of your specific row-crop and dry-land tillage requirements.



PRODUCT FEATURES:

- 178mm x 178mm x 9.5mm toolbars and bridge.
- Heavy-duty wrap around clamped spreader bars.
- Fixed and adjustable shank options.
- CAT 3 and 4 quick hitch.
- Depth wheel assemblies vary depending on machine size:
- 7.50 x 16 Medium-Duty depth wheels on 4 and 6 row machines
- 11.00 x 16 Heavy-Duty depth wheels on 8 row machines

OPTIONAL ACCESSORIES:

- Fertiliser application capability including mild steel fertiliser bins, ground drive fertilizer drive system and shank-mounted fertiliser tubes.
- Hydraulic frame folding kit.
- Heavy-duty stabiliser disc assembly.
- Shank tooling including sweeps, furrowers, gas applicators and more.





PREDATOR CULTIVATOR



The Gessner Predator is a field proven performer in Row Crop cultivation. With machines available in 8 and 12 row configurations, and fully customisable units, the Gessner Predator is as versatile as it is robust.



PRODUCT FEATURES:

- 178mm x 178mm 9.5mm RHS toolbar.
- 178 x 178 x 9.5 bridge on 12 row model.
- Heavy duty CAT 3 hitch
- 7.50 x 16 or 11.00 x 16 heavy duty Yoke type depth wheels.
- Full parallelogram inter-row cultivator units.
- Greasable bearings on parallelogram pivot points.
- 5.00 x 8 gauge wheels which maintain constant unit working depth.
- 100mm x 100mm x 6mm RHS tooling bar.
- Pin adjustable tooling mounts.

OPTIONAL ATTACHMENTS:

- Crescent Knives
- Beet Knives
- Barring Discs
- Rigid Mounted 3 x 1 with Alabama.
- 812mm Lifted Wing Sweep
- Shear release 3 x 1 with Alabama.
- Crop Shields.
- Fertiliser Application Kit including ground-drive.



FRAME:

- 178mm x 178mm x 9.5mm RHS frames are available in rigid or folding configurations.
- Trailing or three point linkage hitch options are available.
- Frames are available to suit multiple bed configurations.

BEDFORMER UNITS:

- Fully adjustable Bedformer boards ensure that almost all bed depth and width requirements are catered for.
- 1.83 – 3m beds can be achieved through clamp adjustable shank assemblies.
- A77 depth adjustable shanks with machined shear pins come as standard.
- Hydraulic release shanks are available (requires hydraulic accumulator kit)



The unique design of Gessner Bedformers ensures that almost all bed depth and width requirements are catered for. Featuring a heavy-duty frame construction, customisable units and angle-iron crumble roller, the Gessner Bedformer is a field proven performer in strength, durability and operational effectiveness.



BEDFORMER



TRIPLE DISC HILLER

The Gessner Triple Disc Hiller is designed to provide an effective solution for building and renovating beds in rowcrop applications. The unique design of triple disc hiller units ensures effective trash and chemical incorporation in various tillage applications. Triple Disc Hiller units may be purchased in individual pairs or as a part of a complete machine.

PRODUCT FEATURES:

- Available in 4, 6 and 8 row configurations.
- Heavy-duty CAT 3-4N quick hitch
- Two 178 x 178 x 9.5mm toolbars separated by 600mm spreader bars.
- 8 row machines feature one 178 x 178 x 9.5mm bridge beam for added frame strength.
- Medium duty 7.50 x 16 adjustable gauge wheels feature on 4 and 6 row machines. 11.00 x 16 heavy duty adjustable gauge wheels feature on 8 row machines.



RHIINO RIPPER

Gessner Rhino Rippers are renowned for their strength and durability in the field. By harnessing proven manufacturing processes and utilising the highest quality materials Gessner offers the ultimate in deep tillage solutions for various applications.

PRODUCT FEATURES:

- Super strong 250mm x 150mm x 10mm main beam.
- 5 and 7 shank machines are available in both three point linkage and trailing hitch options.
- 9, 11 and 13 shank machines are trailing only
- 5 shank machines feature 7.50 x 16 single compactors.
- 7 shank machines feature 7.50 x 16 dual compaction.
- 9, 11 and 13 shank machines feature 9.00 x 20 dual compactors.
- Hydraulic top-link levelling.

OPTIONAL EXTRAS:

- Hydraulic crumble rollers available to suit all models.
- Extension kits available.

RHINO SHANKS

- 32mm high-tensile shanks with 10 tonne breakout force.
- Shanks feature replaceable high wearing shin guards.
- 500mm spacing.
- 36" (914mm) underframe clearance.

MODEL	7 SHANK	9 SHANK	11 SHANK	11 SHANK - RC	13 SHANK
Approx HP Requirement	300-350HP	350-450HP	400-500HP	400-500HP	450+HP
Tyne Spacing	500mm (20")	500mm (20")	500mm (20")	545mm (21.5")	500mm (20")
Effective Working Width	3.5m	4.5m	5.5m	6m	6.5m
Approx Weight - No Roller	3,110kg	3,780kg	4,580kg	4,690kg	5,390kg
Approx Weight - C/W Roller	3,850kg	4,760kg	5,730kg	5,940kg	6,740kg
Transport Width - No Roller	3,450kg	4,250kg	5,250kg	5,850kg	6,250kg
Transport Width - C/W Roller	4,040mm	5,100mm	6,100mm	6,700mm	7,100mm
Wheel & Tyres	2 Pair 7.50x 16 Duals	2 Pair 9.00 x 20 Duals			
Crumble Roller (Optional)	Ø457 Heavy Wall Pipe fitted with 50 x 12 Flats to break down Clods				
Tynes	32mm x400GR High Tensile Plate with replacable shin guard & Tungsten Hardfaced point				
Under Frame Clearance	915mm (36")				
Hydraulic Breakout Force	10,000kg (22,000lb)				



HYDRAULIC DEEP RIPPER – HDR



The New Gessner Hydraulic Deep Ripper (HDR) is our latest offering for the deep tillage market. For those farmers wanting the convenience of hydraulic controlled shanks, this ripper has the flexibility of ripping beyond the standard 300-500mm depth most farmers are wanting. With a heavy duty 6500 lb breakout force this ripper can provide you the flexibility to achieve a maximum tyne depth of 700mm. Like all our deep rippers the HDR comes standard with shanks spaced at 500mm. However, our design team can customise a new HDR to suit any of your machine widths and tyne spacings. So long as you have the horsepower, Gessner can build anything to suit your requirements.

PRODUCT FEATURES:

- 200 x 200 x 12mm RHS Main Beam. All 9, 11 and 13 shank machines have a trailing frame.
- Heavy dual tool bar spaced at 2100mm for extra stability.
- Wheels are 500/60 x 22.5 8 stud configuration.
- Shanks are manufactured from the highest quality 32mm wide High Tensile Steel with a maximum working depth of 700mm.
- HDR shanks are a parabolic design allowing for the most efficient depth to tractor horsepower ratio.
- Shanks have 1075mm Under Frame Clearance. All shanks are designed to changeout points and shinguards quickly and efficiently.
- 6500LB Hydraulic Release Shank Assemblies
- Hydraulic Controlled 600mm Diameter Crumble Roller (Optional)
- Engineered designed and tested and fabricated to the highest quality with Australian-made mild steel and Japanese high tensile steel.



MODEL	HDR-4509	HDR-5511	HDR-6011	HDR-6513
Number of Shanks	9	11	11	13
Approx HP Requirement	350-450HP	450-550HP	450-550HP	500+HP
Tyne Spacing	500mm (20")	500mm (20")	545mm (21.5")	500mm (20")
Effective Working Width	4.5m	5.5m	6m	6.5m
Approx Weight - No Roller	6,300kg	7,600kg	7,750kg	8,580kg
Approx Weight - C/W Roller	7,500kg	8,900kg	9,200kg	10,150kg
Transport Width - No Roller	4,430mm	5,430mm	5,970mm	6,430mm
Transport Width - C/W Roller	4,800mm	5,800mm	6,100mm	6,800mm
Maximum Ripping Depth	700mm			
Wheel & Tyres	500/60 x 22.5 - 8 Stud Wheel			
Crumble Roller (Optional)	Ø508mm Heavy Wall Pipe fitted with 50 x 12 Flats to break down Clods			
Tynes	32mm x400GR High Tensile Plate with replacable shin guard & Tungsten Hardfaced point			
Under Frame Clearance	1075mm (42")			
Hydraulic Breakout Force	6,500LB			

LOFTNESS MULCHER & ROOT CUTTER

Gessner Industries provides a range of Loftness mulcher models to the Australian cotton growing industry for post-harvest crop residue management. The models offered by Gessner cater for 4 row, 6 row and 8 row width configurations. With field proven performance facilitated by designs which minimise jamming and clogging, the Loftness mulchers distributed by Gessner Industries are the most efficient and effective residue management solutions on the market.

ROOT CUTTER UNITS:

- 450mm x 5mm or 500mm x 6mm cutter discs fitted with trash clearing paddles.
- Adjustable spring-loaded mounting arms.
- Heavy-duty mount construction.
- Shear release protection.
- Concealed greasable tapered roller bearings.
- 90 litre per minute hydraulic oil requirement to drive units.
- Units may be mounted to 4 and 6 row mulchers or supplied on a purpose built toolbar.



ROWCROP - UNITS AND ACCESSORIES

Gessner Industries maintains a comprehensive inventory of spares to ensure that customers have the right part, at the right price, at the right time, all the time.

A77 Shank System

- Fits 178mm x 178mm Toolbar
- Adjustable Underframe Clearance: 710mm to 825mm
- Shear Pin 5 Tonne Breakout
- Suitable for all heavy duty applications including rowcrop, cotton, sugarcane and vegetables.
- Specially developed for high under-frame clearance and deep placement of fertiliser.
- Accepts all standard accessories
- Approximate weight: 54kg

Part No: 7014-019



A44 Shank System

- Fits 100mm x 100mm Toolbar
- Adjustable Underframe Clearance: 710mm - 825mm
- Shear Pin 5 Tonne Breakout
- Suitable for all heavy duty applications including rowcrop, cotton, sugarcane and vegetables.
- Specially developed for high underframe clearance and deep placement of fertiliser.
- Accepts all standard accessories.
- Approximate weight: 61kg

Part No: 7014-011



F77 Shank System

- Fits 178mm x 178mm Toolbar
- 705mm Fixed Underframe Clearance
- Shear Pin 5 Tonne Breakout
- Suitable for all heavy duty applications including rowcrop, cotton, sugarcane and vegetables.
- Accepts all standard accessories
- Approximate weight: 50kg

Part No: 7014-020



F44 Shank System

- Fits 100mm x 100mm Toolbar
- 705mm Fixed Underframe Clearance
- Shear Pin 5 Tonne Breakout
- Suitable for all heavy duty applications including rowcrop, cotton, sugarcane and vegetables.
- Accepts all standard accessories
- Approximate weight: 32kg

Part No: 7014-004



**1 Piece Tungsten Hardfaced Point
7004-026**



**Shear Pins w/ Clips
0025-063**



**Shin Guard
7003-031**



**FA77 Shank Carrier Assembly
7012-102**

WHETHER IT IS ACCESSORISING YOUR EXISTING IMPLEMENT TO PERFORM MORE SPECIALISED FUNCTIONS, ADDING COMPLETE UNITS TO YOUR EXISTING TOOLBAR, OR SIMPLY REPLACING WORN OUT WEAR-PARTS, YOU CAN DEPEND ON GESSNER TO CATER FOR ALL OF YOUR SPARE PART REQUIREMENTS.



AGRICULTURE



The origin of the first Gessner product can be traced back to a 'Rigid-Tyne Chisel Plough' built more than 43 years ago. Over the years, Gessner has developed numerous new products for a variety of applications in modern agricultural farming. Even though the original chisel plough has had some improvements over the years, including hydraulic tyne release, the implement Gessner offers to customers today is basically the same machine as the original.

The applications for Gessner agricultural equipment have extended to include the broad acre grain, row-crop and cotton, sugar cane and general farming applications.

Gessner Agricultural Product range is extensive with Broadacre Planters configured with hydraulic parallelogram tyne, rigid spring tyne, single and double disc, from 8mtr single bars to 32mtr multi bar double fold. A range of row crop equipment including Deep Rippers, Bedformers, Root Cutters and more. Sugar Cane Equipment is also covered from Fertiliser Rigs, Cultivators to Single and Double Row Billet Planters.

INDUSTRIAL



Since its inception, Gessner Industries has continually pursued many challenging projects separate from its standard product range. In 2004 the company made the decision to appoint a dedicated product manager to strengthen this aspect of the business.

With a committed focus on customer satisfaction and continuous research and development, Gessner's professional design team has a wealth of experience in providing innovative solutions for the requirements of the industrial sector. This team has state-of-the-art computer drafting technology at their disposal, a tool which allows them to bring a range of customer concepts to fruition.

Gessner's Industrial division can accommodate the design for an array of diverse, application-specific requirements.

Gessner can assist clients to bring their concepts from prototype to commercially viable products, engineered, designed and CAD drafted for in-house manufacture.

LEWIS RIPPERS



Lewis rippers for dozers, loaders and graders have been manufactured since the mid 1960's. The unique design of Lewis Rippers provides machine operators with the ability and capacity to carry out work on large-scale jobs with smaller machines, maximizing productivity and overall return on investment.

Gessner Industries purchased Lewis Rippers in 1987 and carried on the development of a range of rippers and equipment that whilst unique in design, is complementary to OEM equipment.

Since its acquisition, Gessner Industries has manufactured over 1800 Lewis ripper assemblies, serving the needs of industry leaders in earthmoving equipment and individual client special needs.

Gessner's emphasis on product quality and continual innovation has strengthened the Lewis product range to the point at which it is a preferred after-market brand by leading dozer, loader and grader suppliers including Caterpillar, Volvo, Komatsu, John Deere and Case.



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