



SUGAR CANE 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...”



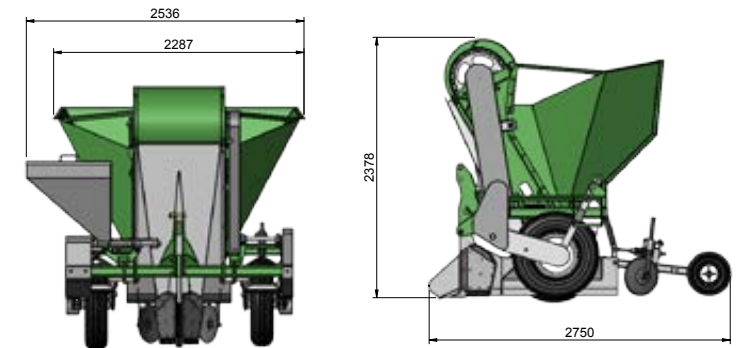
JUNIOR BILLET PLANTER



The Gessner Sugar Cane Billet Planter is the culmination of meticulous research and development and state-of-the-art engineering, designed to provide its operator with an efficient, effective and durable billet planting solution. Provide your new crop with the best chance to thrive with a Gessner Billet Planter.

- Heavy duty 100x100x9m main frame.
- Fixed front wheels with manual depth control.
- 750kg billet hopper capacity and 165kg fertiliser bin capacity.
- Cat 2 or Cat 2-3N three point linkage
- 725mm wide robust chain drive conveyor with steel flights. Ground driven conveyor.
- Plough board assemblies come complete with adjustable 14" covering discs and a heavy duty press wheel.
- Delivered in containers full assembled.

General Assembly	9901-200
Description	Single Row Billet Planter
Overall Weight (empty)	1,260kg
Overall Width (with Fertilizer Biz)	2536mm
Overall Width (without Fertilizer Biz)	2287mm
Overall Length	2750mm
Overall Height	2378mm
Billet Hopper Capacity	750KG
Fertilizer Bin Capacity (Urea)	165KG
Elevator	CA550 (2") Pitch Conveyor Chain Drive
Main Framez	100 x 100 x 9 RHS
Plough Assembly	250mm (10") Standard
Covering Discs	Adjustable 14" Diameter
Press Wheel	Spring Loaded - 18 X 8.50-8 (Max Pressure - 22 Psi)
Three Point Linkage	Cat 2 Or Cat 2-3n
Drive Chains	ASA60 3/4" Pitch
Wheel Hubs & Axles	Manufactured By Gessner - 6 Stud
Depth/Drive Wheels	Adjustable - 7.50 X 16 X 10 Ply
Average Planting Rate	6 Tonnes / Hectare - 300mm To 350mm Billets



SINGLE ROW BILLET PLANTER

FEATURES

- Fixed front wheels with manual depth control.
- Rear castor wheels fitted with hydraulic position locks.
- Heavy duty swivel tow hitch.
- 10mm rubber conveyor belt with bolted steel flights.
- Hydraulic controlled gate to regulate billet flow.
- Over head spray bars.
- Plough board assemblies come complete with two covering discs and a heavy duty press wheel.
- Heavy duty 30" twin disc openers are attached to the plough board.
- Stainless steel fertiliser bins.
- Optional liquid tanks for chemical application.



General assembly	9900-670
Overall weight (empty)	6,250kg
Overall width	3,459mm
Overall length	5,050mm
Overall height	3,350mm
Height to rear of hopper	2,550mm
Billet hopper capacity	3,000kg - 3,500kg
Fertilizer bin capacity	2 x 650kg stainless bins (1,300kg total)
Liquid fertilizer capacity (optional)	2 x 500l tanks (1,000l total)
Elevator	1200mm rubber belt c/w steel flights
Optional elevator	Ca550 (2") pitch conveyor chain drive - steel flights
Main frame	150 x 100 x 9 rhs
Plough assembly	200mm - 450mm
Disc opener assembly (optional)	30" x 6mm
Covering discs	Adjustable - 14" diameter
Press wheel	Spring loaded - 18 x 8.50-8
Three point linkage	Cat 2-3n - cat 3
Drive chains	16b-1 1" pitch roller chain
Wheel hubs & axles - front	Manufactured by gessner - 6 stud
Wheel hubs & axles - rear	80-6 4,000kg triple lip seals
Front depth wheels	7.50 x 16 hd16 l/truck tyre & 6 stud wheel
Rear wheels	13.0/65-18 bkt aw702 tyre & 6 stud wheel
Average planting rate	6.0 tonnes / hectare - 300mm billets



JUNIOR SIDE DRESSER



Gessner Side Dressers are designed to provide the most effective and durable fertiliser application solutions on the market. Customisation of fertiliser capacity, unit configuration, and a suite of optional add-ons ensures that Gessner Side Dressers are capable of meeting all customer's unique application requirements.

FEATURES

- Heavy duty toolbar made from 150mm x 100mm x 9.5mm SHS with welded Cat 2-3 linkage.
- 760mm x 6mm or 9mm heavy duty coulter assembly featuring Ø3" high tensile pivot, fitted with fertiliser applicator tyne or twin disc opener.
- 7.0 x 12.6 6PLY AW-702 Tyre & 5 stud wheel.
- 750kg and 500kg stainless steel fertiliser bins.
- Fertiliser drive - Hydraulic.
- Rear access platform, handrails and access ladder.
- Moulded polyurethane rollers.
- Stainless steel drive shaft.
- Greased bearings.
- Cut-off slides for ease of cleaning distributors.
- Stainless steel wire screens.
- Canvas rain covers.



2 ROW SIDE DRESSER

MODEL	2 ROW - 1.5 TONNE	2 ROW - 2.5 TONNE	2 ROW - 4.0 TONNE
Base General Assembly	7253-092	7253-091	7253-165
Overall Weight (Empty) 30" Coulter Only	1,835kg	1,740kg	2,860kg
Overall Weight (Empty) 30" Coulter & Twin Disc	2,075kg	1,920kg	3,040kg
Overall Width	3,490mm	3,490mm	3,490mm
Overall Length	2,460mm	2,460mm	2,790mm
Overall Height	1,985mm	2,280mm	2,510mm
Bin Capacity (Urea)	1,500kg	2,500kg	4,000kg
Distributor System	Polyurethane Moulded Roller	Polyurethane Moulded Roller	Polyurethane Moulded Roller
Toolbar	178 X 178 X 9.5 Rhs	178 X 178 X 9.5 Rhs	178 X 178 X 9.5 Rhs
Hydraulic Adjustable Row Spacing (Opt)	✓	✓	✓
Tpl Hitch	Cat 2-3n	Cat2-3n	Cat2-3n Or Cat 3
Trailing Drawbar (Opt)	✓	✓	✓
Coulter Assembly	H/d Swivel 30" X 6mm	H/d Swivel 30" X 6mm	H/d Swivel 30" X 6mm
Twin Disc Opener (Opt)	20" X 5 C/w Ø15" Press Wheel	20" X 5 C/w Ø15" Press Wheel	20" X 5 C/w Ø15" Press Wheel
Ground Wheel Drive (Standard)	✓	✓	✓
Hydraulic Drive (Opt)	✓	✓	✓
Hydraulic Variable Rate Control (Opt)	✓	✓	✓
Wheels	11.00 X 16 Multi Rib Tyre & 6 Stud Wheel	11.00 X 16 Multi Rib Tyre & 6 Stud Wheel	385/65 X 22.5 Tyre & 6 Stud Wheel
Wheel Hubs & Axles	63-6 2,500kg Triple Lip Seals	63-6 2,500kg Triple Lip Seals	75-6 3,500kg Triple Lip Seals
Rear Platform & Ladder	✓	✓	✓
Canvas Rain Cover	✓	✓	✓



3 ROW STOOL SPLITTER



Fertilise with absolute precision using Gessner's class leading Stool Splitter. Reduce your outgoings with a durable, reliable and efficient machine which accommodates 1.5, 2.5 or 4 tonne stainless steel fertiliser bins and features heavy duty wall tool bars.

FEATURES

- Heavy duty toolbar made from 178mm x 178mm x 9.5mm SHS with welded Cat 2-3 linkage.
- 760mm x 6mm or 9mm heavy duty coulter assembly featuring 3" Ø high tensile pivot, fitted with fertiliser applicator tyne or twin disc opener.
- Machines fitted with 7.50 x 16, 11.00 x 16 or 365/65 x 22.5 Super Singles depending on machine configuration.
- 1.5, 2.5 or 4 tonne stainless steel fertiliser bin.
- Grounddrive with Varispeed calibrator box or hydraulic drive.
- Galvanised safety walkway, handrails and access ladder.
- Moulded polyurethane rollers.
- Stainless steel drive shaft.
- Greased bearings.
- Easy clean distributors.
- Cut-off slides for easy cleaning.
- Stainless steel wire screens.
- Canvas rain covers.



3 ROW STOOL SPLITTER

MODEL	3 ROW - 1.5 TONNE	3 ROW - 2.5 TONNE	3 ROW - 4.0 TONNE
Base General Assembly	7253-092	7253-091	7253-165
Overall Weight (Empty) 30" Coulter Only	1,650kg	1,740kg	2,860kg
Overall Weight (Empty) 30" Coulter & Twin Disc	1,830kg	1,920kg	3,040kg
Overall Width	3,900mm	3,900mm	3,900mm
Overall Length	2,290mm	2,490mm	2,790mm
Overall Height	2,040mm	2,095mm	2,510mm
Bin Capacity (Urea)	1,500kg	2,500kg	4,000kg
Distributor System	Polyurethane Moulded Roller	Polyurethane Moulded Roller	Polyurethane Moulded Roller
Toolbar	178 x 178 x 9.5 rhs	178 x 178 x 9.5 rhs	178 x 178 x 9.5 rhs
Hydraulic Adjustable Row Spacing (Opt)	✓	✓	✓
Tpl Hitch	Cat 2-3n	Cat2-3n	Cat2-3n or cat 3
Trailing Drawbar (Opt)	✓	✓	✓
Coulter Assembly	H/D Swivel 30" x 6mm	H/D Swivel 30" x 6mm	H/D Swivel 30" x 6mm
Twin Disc Opener (Opt)	20" x 5 c/w ø15" Press Wheel	20" x 5 c/w ø15" Press Wheel	20" x 5 c/w ø15" Press Wheel
Ground Wheel Drive (Standard)	✓	✓	✓
Hydraulic Drive (Opt)	✓	✓	✓
Hydraulic Variable Rate Control (Opt)	✓	✓	✓
Wheels	7.50 x 16 Multi Rib Tyre & 6 Stud Wheel	11.00 x 16 Multi Rib Tyre & 6 Stud Wheel	385/65 x 22.5 Tyre & 6 Stud Wheel
Wheel Hubs & Axles	63-6 2,500kg Triple Lip Seals	63-6 2,500kg Triple Lip Seals	75-6 3,500kg Triple Lip Seals
Rear Platform & Ladder	✓	✓	✓
Canvas Rain Cover	✓	✓	✓



BRONCO



Ideally suited for smaller horsepower tractors the Gessner Bronco is a reliable and well designed deep ripper that will suit those farmers with smaller acres requiring a primary till. Standard tyne spacing is 500mm for both the 5 and 7 shank models. However, custom machine sizes and various tyne configurations are available to suit all customers requests. Hook the Gessner Bronco on and off your tractor in minutes.

PRODUCT FEATURES:

- 100mm x 100mm x 9.0mm heavy RHS steel frame
- Welded CAT 2-3 and CAT 3 three point linkage or trailing rigid hitch
- Gessner designed and proven tyne assemblies with replaceable wear points and shin guards
- F77, A77 and HR tyne assemblies available

OPTIONAL:

- Shank mounted swivel coulters
- Depth wheels attached to assist the consistency of tyne depth
- Angle iron crumble roller assemblies to suit both 5 and 7 tyne models



RHIINO DEEP 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.

BIG BUCK



The Gessner Big Buck is a proven performer in deep tillage applications. Big Bucks are available in various configuration options, making it highly adaptable to a range of environments and applications.

PRODUCT FEATURES:

- 178 x 178 x 9.5mm SHS toolbars.
- Bolted CAT 2-3 and CAT 3 three point linkage hitches or trailing rigid hitch.
- 1000mm spreader bars on linkage frames,
- 1400mm spreader bars on trailing frames.
- 194 x 14 wheels on 7 & 9 shank machines, 7.50 x 16 wheels on 11, 13 and 15 shank machines.
- F77, A77 and HR tyne assemblies are available in 7, 9, 11, 13 and 15

shank configurations as standard. Custom machine sizes and tyne configurations are available to suit customer requirements.

- High quality accumulator and industry standard hydraulic fittings feature on models fitted with HR tynes.

OPTIONAL ATTACHMENTS

- Shank mounted swivel coulters.
- Heavy-duty angle iron crumble roller assemblies to suit various machine sizes

BASIC BED FORMER



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.

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)

CRUMBLE ROLLERS

- Angle iron crumble rollers feature durable 50mm shafts and bearings.
- Clod-breakers are manufactured from rugged 50 x 50 x 8mm angle iron for added durability.
- Crumble rollers pivot from the frame bridge ensuring ample clearance on the Bedformer boards when the shank releases.



OFFSET DISC PLOUGH

The Gessner Offset Disc Plough has been designed to provide heavy duty ploughing capabilities for sugar cane stubble management. The plough is available in a range of disc number configurations, spacings and weights to cater for all of your heavy duty sugar cane tillage requirements. Prepare your country with confidence with a Gessner Offset Disc Plough.



FEATURES

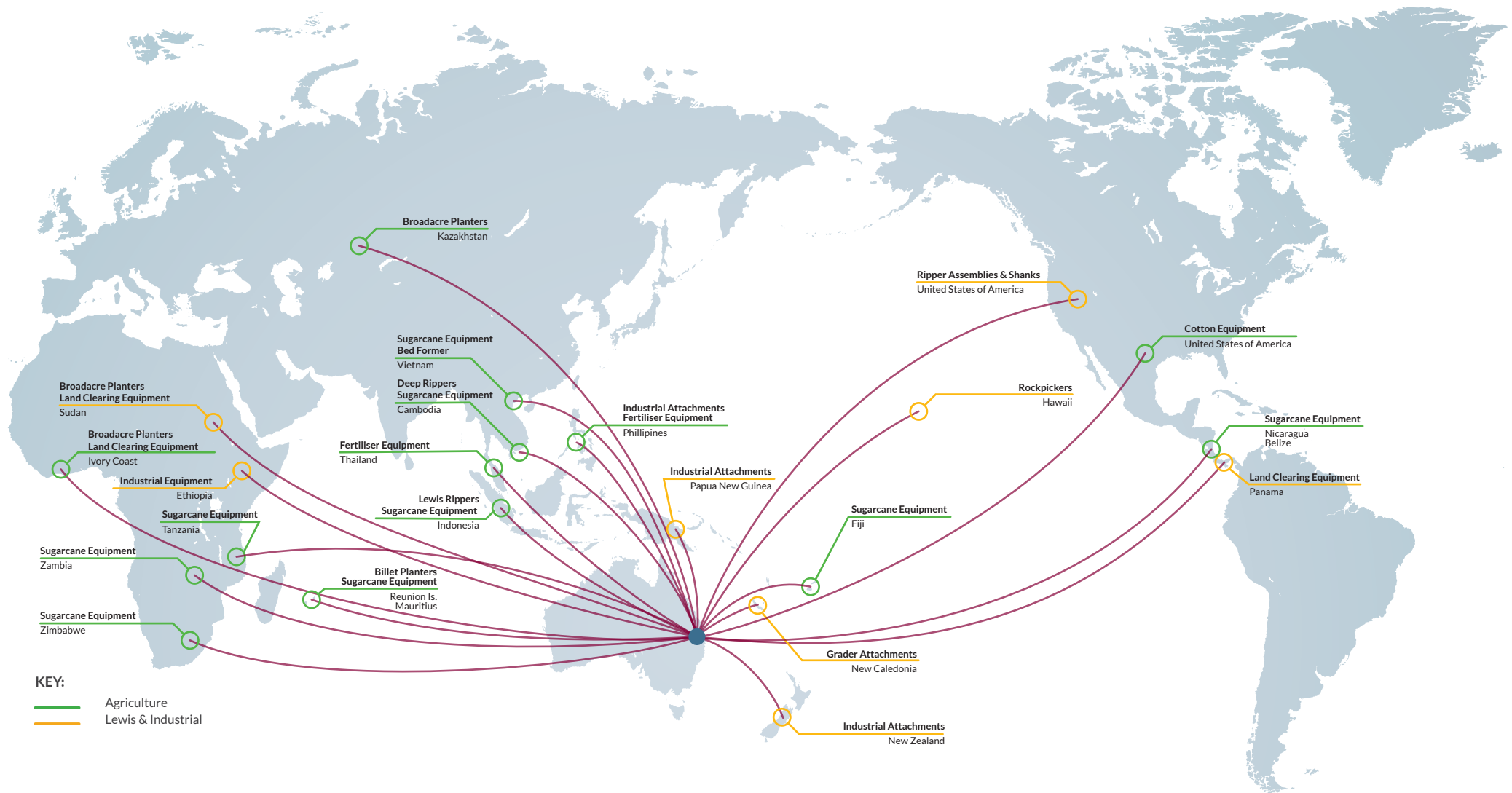
- Heavy duty welded tubular steel frames for durability in the field.
- Stabilizer bar which assists in front and rear disc gang levelling.
- Mechanically adjustable disc gang angle.
- Perforated offset bar to allow lateral drawbar adjustments under varying draft conditions.
- Box type construction drawbar with standard heavy duty drawbar plates.
- Hydraulic controlled depth gauge and transport wheels mounted to wheel hubs that feature greasable tapered roller bearings.
- Double acting hydraulic cylinders with hoses and quick couplers.
- Rugged 1.5/8" round, heat treated alloy disc gang axles.
- Oil bath disc gang bearing assemblies.
- Cast iron disc spacer spools.
- Heavy duty disc blade mud scraper.



AUSTRALIAN CLIENTS AND INTERNATIONAL SALES

Gessner has dealt with some of Australia's major companies and it is this capability that has led to business taking place in many other parts of the world.

Some of the major Australian Companies that Gessner continues to deal with include St George Machinery, Kenway and Clark, Telstra, Hastings Deering, Komatsu, Westrac, Thiess, Rio Tinto, CJD Volvo, Hitachi and Agco. In addition, Gessner works with many of the largest agricultural dealers who have extensive networks throughout Australia. This reputation for working with large Australian Companies and Global Equipment OEM's has led to increased demand for Gessner products from several international clients.



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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