QUADRANT
2100  1150

CLAAS
Perfectly coordinated – forage harvesting technology from CLAAS.

For daily forage or straw harvesting operations, you need more than just robust operational machinery; you need technology that works and that is quite simply a pleasure to work with – reliable technology that works in unison when the going gets tough and when there seems to be no end in sight. And what’s more, you need harvesting systems that piece together seamlessly.

As a leading equipment manufacturer of forage harvesting machinery, CLAAS provides the ideal harvesting chain for any farm or business size. Our coordinated machines support you in your day-to-day operations and enable you to achieve optimal results in forage harvesting.

Milestones for the future.

In 2013, CLAAS invested in state-of-the-art painting technology at its production facilities, seeking to implement the latest manufacturing standards of the automotive industry. The increased corrosion protection afforded by the CDP primer coat with subsequent top coat ensures excellent quality and a long service life. Thermal post-combustion, significantly reduced water consumption and low emissions values help protect the environment.

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For decades, the CLAAS name has been synonymous with innovation in harvesting technology. The latest technology is used to give maximum impact in terms of boosting daily output and driving down harvesting costs. These machines are designed to tackle the toughest continuous operations while providing enduring reliability par excellence.

A unique service network.

Every QUADRANT benefits from the operational experience of thousands of machines, offering greater built-in reliability for trouble-free non-stop operation. In addition, CLAAS provides an exemplary network of dealers with service and parts support for fast help if the worst comes to the worst.

Optimum bale size.

CLAAS has set new standards in the square bale market with the 1.20 x 0.70-m bale size. If, on the other hand, processing silage and hay is the main activity in regions where fields are small, the QUADRANT 2100 provides the more compact bale size of 0.80 x 0.70 m. With an optimum bale density and ideal bale shape, QUADRANT 0.80 x 0.70-m bales are well made for an excellent storage life.

Outstanding performance.

CLAAS QUADRANT 1150 balers utilise the very latest in technological innovation to deliver outstanding performance and excellent bale quality.

With a bale size of 0.80 x 0.50 m, the QUADRANT 1150 is the ideal machine for the cost-effective baling of silage, hay or straw.
Cutting-edge technology, QUADRANT-style.
The perfect choice for hay and silage – the QUADRANT 2100 range.

With the POWER FEEDING SYSTEM, the QUADRANT 2100 is a true high-performance baler. The machine’s long baling chamber delivers extremely dense and stable bales, and, with bale dimensions of 0.80 x 0.70 m, it is the perfect machine for silage or for operations in very dry harvesting conditions.
With the 2.10-metre-wide CLAAS premium pick-up and the POWER FEEDING SYSTEM, the QUADRANT is perfectly equipped to gather up even the widest swaths at a high working speed. The pick-up floats absolutely evenly using hydraulic accumulator suspension, while the large, oscillating castor guide wheels keep you safely on track. Together, these ensure excellent ground following and turf preservation even at high working speeds or when turning. Combined with the hydraulic suspension, the flexible design hugs the ground evenly, ensuring that the forage stays clean.
The system makes the difference.

PFS – a powerful, specialised system.

PFS stands for POWER FEEDING SYSTEM. On all QUADRANT models with PFS, a large continuous-feed auger, cushioned by shock absorbers, takes the material from the pick-up and feeds it to the sturdy 8-mm rotor with aggressive paddles. The broader stars reduce the distance to the blade, improve the cutting quality even further, and deliver maximum stability and service life.

The front-mounted roller crop press compacts the crop perfectly and boosts the conveyor action of the auger.

This unique combination of roller crop press and actively powered, continuous intake auger makes your work easier, especially when it comes to uneven silage swaths. Depending on the crop, approximately 20 percent greater throughput is achieved by the POWER FEEDING SYSTEM.
QUADRANT 2100 ROTO CUT – a better cut for denser bales.

Perfect silage.
Energy-rich, tasty silage with optimum lactic acid fermentation is the order of the day for high milk production in the dairy herd. Three things are needed for this: short fodder, high compaction and the exclusion of oxygen. CLAAS ROTO CUT delivers chop lengths of 45 mm with an outstanding chop quality.

Perfect rotation.
The pull-through chopping mechanism on the 16-blade cutting rotor is particularly energy-efficient and precise. All crops are safely drawn in, cleanly cut and efficiently pre-compressed. Safeguarded by a wedge coupling working in an oil bath, the QUADRANT can safely be pushed to the performance limit.

The automatic, continuous central grease lubrication at 45 lubrication points offers tangible benefits in terms of reliability and service life. Maintenance time is also greatly reduced.
As many blades as required.

The blade-group changer, which is particularly easy to operate, provides the correct setting for every operation. Choose between 0, 8, 8 or 16 blades on the QUADRANT 2100 RC.

Thanks to the exclusive CLAAS swing-down chopper housing, blockages can be cleared from the comfort of the cab. Additionally, the open housing facilitates access to the blades for checking and replacement.

- The solid-construction, 16-blade chopping rotor is made of double-hardened boron steel
- Four tine rows for optimum crop intake
- Aggressive knives for an especially good cutting quality
- Precise knife guidance through the spirally arranged dual tines
- Knife changing in groups for exact chop lengths

CLAAS silage stretch film reliably protects the forage crop. High quality and reliable processing in all conditions make for cost-effective operation. CLAAS silage stretch film is available in different versions to suit your needs.
High quality without compromise.

Always the best solution – CLAAS has the right package for every operation with our broad range of country specifications and axle configurations.
Efficiency that is second to none.

Robust components and reliable drives guarantee high efficiency and long service life even in the toughest conditions.

The design ensures outstanding efficiency by transmitting all power along short, straight lines using a very large flywheel. Lowest possible energy consumption per tonne of crop is reflected in lower fuel bills.

Unique to CLAAS: the interactive safeguard feature.

The rotor is fitted with separate, automatic overload protection features, so that the machine can be safely used to full capacity with every crop. This means that the QUADRANT can never be forced to a standstill – every blockage can be conveniently cleared from the cab.

However, if the rotor overload clutch engages, the chopper housing opens up automatically so that the rotor can clear itself. This way, you eliminate damaging peak loadings in the event of a crop blockage.

Perfect bale density.

Operating at 51 ram strokes per minute has real impact. Small bale units are clearly easier to compress and you can be sure the bales will be rock-hard. With a 2.75-metre baling channel in the QUADRANT 2100, CLAAS balers provide greater frictional resistance. This means super-hard bales, even at high throughput rates – a major advantage, particularly when working with industrial straw.

Setting trends: the drive train.

- High speeds and low torque
- Maintenance-free drives and clutches operating in an oil bath
- Maintenance-free, 3-phase CLAAS-style feed raking
- The minimal number of moving parts ensures maximum reliability
No more climbing down to set up the baler.

The CLAAS COMMUNICATOR II, with its large, clearly laid-out colour display and ISOBUS technology, greatly simplifies working with the QUADRANT.

You’re always kept in the picture regarding your machine’s operational status with the clearly laid-out terminal. What’s more, you can change the most important configuration parameters quickly and easily. A touch of the finger is all it takes, and you have access to five menus, which enable you to:

- Determine baling pressure and bale length
- Lift and lower the pick-up
- Operate the knives
- Open and close the chopper housing
- Set the baler to zero pressure
- Tie the bales manually

A total of 20 work-record memories record the number of bales, total twine length, the percentage of cut bales and the average bale length, recording all the data you need to keep your accounts clean and tidy.

Crop humidity indicator.
The optional moisture sensor tells the driver about the quality of the crop being baled – valuable information which allows you to adjust the baling pressure accordingly.
The full picture with the CLAAS COMMUNICATOR II.

Task menu:
A clear view of all the operating data: bale length, baling pressure, crop humidity, piston strokes per minute, position of the knives, number of bales.

Settings menu:
Here are a few of the settings you can make: configuration of the bale length, knife cleaning and lubrication interval.

Operating menu:
Up to 20 work records can be stored – details include total hours, number of bales and bales cut, plus lots of other useful information.

On the QUADRANT 2100, the tying processes, too, are fully electronic, giving you excellent ease of operation.
No-frills basic model.

This lightweight square baler requires a tractor output of just 73 kW/100 hp. Like the QUADRANT 2200 ADVANTAGE, however, it’s fitted with a large, sturdy main gearbox, which at 51 ram strokes per minute produces dense, solid bales.

A totally reliable big baler.

The spring steel tines on the 2.10-metre-wide QUADRANT 2100 pick-up are arranged so closely that they will always leave the fields neatly raked. The baler is fitted with the tried-and-tested CLAAS feed rake, which actively feeds the crop to the baling chamber. The clearly visible pressure gauge keeps the driver informed about the bale density at all times. This makes monitoring and controlling the crop flow much easier.

With a baling channel of 0.80 metres in width and 0.70 metres in height, the QUADRANT 2100 can make brick-like square bales of up to 2.50 metres in length to address different, individual requirements.

Setting the bale length.

The bale length can be configured from the comfort of the driver’s seat via the CLAAS COMMUNICATOR. The star wheel is situated at the lower end of the bale chamber and is used for monitoring the bale length.
QUADRANT 2100 RF/RC – sturdy in hay and straw.

The TURBO FAN system cleans the knotter with a constant airflow of 140 km/h.
Perfectly shaped for the best-quality forage.
With its well-engineered packer tine technology, the QUADRANT 1150 bales forage that is ideal for ruminants and horses in particular. And most importantly, the feed rake system does not damage the stalks, enabling the QUADRANT 1150 to produce dust-free bales. The 0.80 x 0.50-m bale format also facilitates easy bale handling in barn and stable environments.
Giving you the edge.

Practical solutions.

QUADRANT 1150 balers have proven their worth as a sound investment for many farms and contracting businesses, which is exactly why CLAAS square balers now enjoy such popularity in Europe and around the world.

Perfect dimensions every time.

These square balers incorporate a host of practical benefits. They give you consistent, densely packed bales of wilted silage, hay or straw with different bale length settings to suit each crop type. That means the bales can always be stored in the smallest possible space and are easy to handle and transport as well.
Bales of the highest quality.

The large, uniform crop flow achieved by the pick-up, the high standard of crop compaction and the tight, firm knots produced by the powerful and reliable CLAAS high-performance knotters are major advantages. What’s more, the quality of the forage produced by the QUADRANT 1150 is simply outstanding. With the feedrake technology, the stalks are retained in their original length, and, with negligible dust accumulation during the baling process, the QUADRANT 1150 is the ideal baler for all horse keepers.

Outstanding performance.

The QUADRANT 1150 received the prestigious silver medal at the Agricultural Technology Week in Russia.
Reliable performance combined with rapid crop feed.

Thorough crop clearance.

The QUADRANT 1150 is designed for enormous intake capacities through its wide pick-up. Guide wheels ensure the pick-up follows the ground contour with razor-sharp precision. The pick-up crop guard ensures the crop enters the machine cleanly and is transported to the feed rake efficiently when working in short-cut crops. The wide-angle drive shaft provides smooth running and effective power transfer. The QUADRANT 1150 performs consistently, even in small fields and when the swath is not straight, giving you meticulous field clearance and a clean crop every time.

Perfect quality every time.

The pick-up is the key to performance and reliability. CLAAS engineers have devoted particular attention to developing a pick-up of outstanding quality and function. Four rows of tines, perfectly spaced for thorough raking, guarantee superior results in the field. The twin spring steel tines are bolted firmly to four rugged U-shaped tineholders to withstand continuous and extreme loading and provide easy servicing. Stub augers on either side of the wide pick-up mechanism funnel the crop to the appropriate width for entering the baling chamber, producing firm bales highly compacted at the edges for excellent stability during transportation and storage.

While working, you have a clear view of the pick-up and rotor, and can regulate the work rate if need be.
Perfect suspension.

Shock absorbers and suspension springs prevent the pick-up from bouncing, even when travelling over undulating terrain at speed.

The optimal height for any swath size.

Hitch or drawbar fitting to the tractor? You’re free to choose, thanks to the hitching eye design.
Clear layout.

The QUADRANT 1150 is renowned for its simple yet effective design, with each and every facet and component clearly and neatly arranged for ease of accessibility and servicing, ensuring your valuable time is spent baling and not squandered by tiresome maintenance work. The robust central transmission unit channels power efficiently to the individual components. Some 65 powerful ram strokes per minute compact the bales thoroughly and produce top results in every crop type. During the baling process, the QUADRANT takes load peaks in its stride, thanks to the heavyweight flywheel behind the main drive, giving even and smooth operation. The result is outstanding reliability and more bales per hour, every hour.

Unshakable in any conditions.
A specially designed safety clutch affords the feed rake effective protection.
Uninterrupted protection.

Superior CLAAS safety systems ensure seamless, uninterrupted operation. The feed rake, needles and knotters are shaft-driven for reliable, outstanding performance. An integrated overload clutch protects the baler from damage caused by foreign objects entering the machine within the crop. A power interrupt clutch is also fitted to protect the baling ram from excess loads. Shear bolts are a thing of the past at CLAAS. All overload clutches re-engage automatically once the PTO speed has been reduced to zero. If there’s a malfunction, there’s no need to get off the tractor to fix it.

Powerful interaction.
The highly reliable auxiliary pick-up and feed-rake power interrupt clutch prevents the machine jamming – for operating comfort of the highest standard.
Perfect knots for perfectly shaped bales.

Bound to hold.

CLAAS high-performance knotters are renowned for their unparalleled knot tightness and quality. CLAAS knotters operate quickly, reliably and with razor-sharp precision. A further advantage: the knotters do not produce dangerous twine residues that can cause animal fatalities during feeding or leave residues when the bales are burned for power generation.

The efficient dual fan removes harmful stalked parts, short straw and dust from the knottter area to ensure perfect work results and outstanding functional reliability even in extremely dry conditions. What’s more, the system virtually eliminates the time required for cleaning.

The QUADRANT 1150 is also equipped with a large twine box housing 16 rolls of 130 to 150 m/kg binding twine – enough for a very long day in the field.

Compact and solid.

Fully adjustable side plates produce impressive bale densities within the baling chamber. The well-positioned guide wheel facilitates high-accuracy monitoring of the bale-
length configuration. Bale lengths are fully adjustable within a generous range of 0.70 to 2.40 metres. The clean-cut, perfectly right-angled bales leave the baling chamber as highly compact and dense blocks to be deposited onto the field via the roller chute.

Long chamber for high density.

The harvested crop is highly compacted in the baling chamber to produce solid, stable bales. Each bale is compressed and shaped to a uniform density and length; the perfect result for a balanced and seamless truck loading procedure.

Smooth drop.

The roller bale chute slides the bales gently onto the field.
When you give your best every day, you deserve the best service.

We provide the service.

You can always rely on the professional and reliable support of your FIRST CLAAS SERVICE® team. CLAAS dealers provide fast spare parts supply and dependable customer service around the world.

We are there for you, wherever you are.

You can always rely on us to provide you with the necessary spare parts – ORIGINAL CLAAS parts, characterised by top quality, superb function and a long service life.

Our central spare parts warehouse delivers all ORIGINAL CLAAS parts quickly and reliably all over the world. Your local CLAAS dealer is there to make sure that they reach their destination as soon as possible – wherever you may be.

We speak the same language.

CLAAS dealers include some of the world’s most efficient agricultural machinery companies. They are highly trained, equipped with specialist tools and have intimate knowledge of how farmers and contractors work. They understand your expectations and can meet your requirements when it comes to professional support and reliability.
Cutting-edge technology down to the last detail.

QUADRANT 2100 RF / RC with 0.80 x 0.70-m bale size

CLAAS COMMUNICATOR II with colour display and ISOBUS technology

Maintenance-free drives and clutches

2.10-m pick-up with double-roller crop press

POWER FEEDING SYSTEM with actively powered, continuous feed auger

ROTO CUT: 16-blade chopping rotor made of double-hardened boron steel

Knife change in groups of 0, 8, 8 or 16 knives (RC)

4 CLAAS high-performance knotters with TURBO FAN knotter cleaning

3.00-metre-long baling chamber with 51 ram strokes

Single axle, tandem axle or steered tandem axle

Drop floor for blockage clearance

Interactive protection feature for pick-up, feed rake and rotor
CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. To avoid any risk of danger, never remove these protective panels yourself. In this respect, please refer to the relevant instructions in the operator’s manual.

### QUADRANT

#### Hitching

<table>
<thead>
<tr>
<th>Feature</th>
<th>2100 RF / RC</th>
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<tbody>
<tr>
<td>PTO shaft speed</td>
<td>rpm</td>
<td>1000</td>
</tr>
<tr>
<td>Hydraulic jack</td>
<td>●</td>
<td>–</td>
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#### Pick-up

<table>
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<tr>
<th>Feature</th>
<th>2100 RF / RC</th>
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</tr>
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<tbody>
<tr>
<td>Width</td>
<td>m</td>
<td>2.10</td>
</tr>
<tr>
<td>DIN raking width</td>
<td>m</td>
<td>1.90</td>
</tr>
<tr>
<td>Number of wire bars</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Ground tracking via two oscillating pick-up castor guide wheels</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>POWER FEEDING SYSTEM (PFS) with double-roller crop press</td>
<td>●</td>
<td>–</td>
</tr>
<tr>
<td>Crop guard with baffle</td>
<td>–</td>
<td>●</td>
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#### Hydraulic connection

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<tr>
<th>Feature</th>
<th>2100 RF / RC</th>
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</tr>
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<tbody>
<tr>
<td>Two single-acting spool valves and one open return line</td>
<td>●</td>
<td>–</td>
</tr>
<tr>
<td>One single-acting and one dual-acting spool valve</td>
<td>–</td>
<td>●</td>
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#### Crop feed

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<tr>
<th>Feature</th>
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<tbody>
<tr>
<td>Roller</td>
<td>ROTO FEED / ROTO CUT</td>
<td>High throughput forced intake with upper packer tines</td>
</tr>
<tr>
<td>Number of knives</td>
<td>– / 16</td>
<td>–</td>
</tr>
<tr>
<td>Packer tines cycle / ram stroke</td>
<td>3 / 2</td>
<td></td>
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#### Bale chamber

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<tr>
<th>Feature</th>
<th>2100 RF / RC</th>
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<tbody>
<tr>
<td>Ram strokes</td>
<td>rpm</td>
<td>51</td>
</tr>
<tr>
<td>Max. baling pressure</td>
<td>bar</td>
<td>150</td>
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#### Bale chamber dimensions

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<tr>
<th>Feature</th>
<th>2100 RF / RC</th>
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<tbody>
<tr>
<td>Length</td>
<td>m</td>
<td>2.75</td>
</tr>
<tr>
<td>Width</td>
<td>m</td>
<td>0.80</td>
</tr>
<tr>
<td>Height</td>
<td>m</td>
<td>0.70</td>
</tr>
<tr>
<td>Bale length</td>
<td>m</td>
<td>0.50 – 2.50</td>
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#### Control terminal

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<tr>
<th>Feature</th>
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<tbody>
<tr>
<td>Model</td>
<td>COMMUNICATOR</td>
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</tr>
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#### Wrapping and tying

<table>
<thead>
<tr>
<th>Feature</th>
<th>2100 RF / RC</th>
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</thead>
<tbody>
<tr>
<td>Number of knotters</td>
<td>4</td>
<td>4 with electric twine failure indicator</td>
</tr>
<tr>
<td>Number of twine reels in the twine box</td>
<td>24 x 11 kg</td>
<td>16 x 11 kg</td>
</tr>
<tr>
<td>Knitter cleaning</td>
<td>TURBO FAN</td>
<td>●</td>
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</table>

#### Bale drop onto field

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<thead>
<tr>
<th>Feature</th>
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</thead>
<tbody>
<tr>
<td>Roll chute</td>
<td>● / –</td>
<td>○</td>
</tr>
<tr>
<td>Roll chute, hydraulic with ejector</td>
<td>○ / ●</td>
<td>–</td>
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#### Lubrication

<table>
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<tr>
<th>Feature</th>
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<tbody>
<tr>
<td>Central lubrication, manual</td>
<td>●</td>
<td>–</td>
</tr>
<tr>
<td>Central lubrication, automatic</td>
<td>○</td>
<td>–</td>
</tr>
</tbody>
</table>
2.00-m pick-up with baffle plate and crop guard

Perfect view of pick-up for optimal power adjustment

4 CLAAS high-performance knotters with twine failure indicator and knotter cleaning

65 ram strokes for higher densities

Minimal dust accumulation in baling procedure with 130 packer tine strokes per minute

Interactive protection of pick-up and packer tines

QUADRANT 1150 with 0.80 x 0.50-m bale dimensions

Roller bale chute, optional bale accumulator

16-roll twine supply

Single axle with 500/55-20 12PR tyres

Maintenance-free drives and clutches

High throughput forced intake with upper packer tines