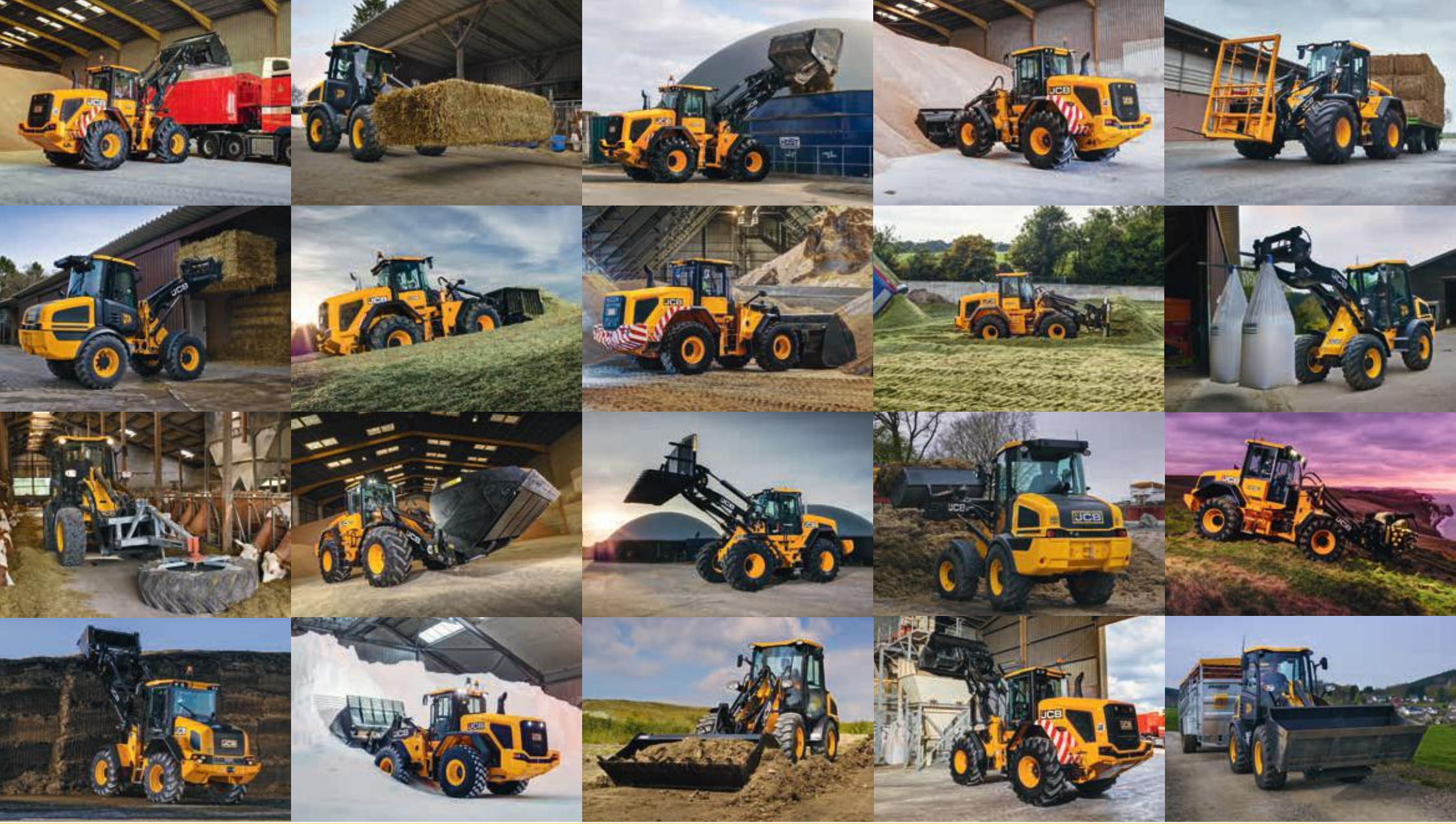


WHEEL LOADER | AGRICULTURAL RANGE

JCB

BUILDING THE ULTIMATE AGRICULTURAL RANGE.

Ever since JCB was founded by Joseph Cyril Bamford in a small garage in Staffordshire in 1945, innovation has driven our machines and our thinking. Of course we've grown since then – to employ over 10,000 people across 4 continents – but innovation remains at the heart of everything we do.

A history of innovation

We've been innovating since day one, and we've always cultivated a uniquely fearless approach to design. Indeed, we've invented whole new genres of machinery – the Fastrac and the telehandler for example – and revolutionised others like the skid steer loader.

The best backup in the business

A key component of any JCB machine is peerless backup and support: our 2,000-strong global dealership and service network keeps the customer at the centre of everything we do, in over 150 countries worldwide. Our World Parts Centre, meanwhile, aims to deliver anywhere on earth within 24 hours.

Success by the million

Every JCB is designed and built to offer ultimate productivity, durability, efficiency, safety, comfort and reliability, so it's perhaps not surprising that we've just built our millionth machine. As you'd expect from such an innovative company though, we won't be resting on our laurels.

JCB
435S

403 WHEEL LOADER.

1. Lifting performance
Choose between a standard loader arm for general purpose work or extended high lift for stacking and loading at height.

2. Premium machine
We've picked the very best components, including a Kubota engine, ZF axles and Bosch Rexroth hydraulics and transmission. They're all designed to work in perfect harmony, ensuring economical and productive performance.

3. Go anywhere
Measuring under 2.2m in height and 1.1m in width (in the narrowest configuration), the compact JCB 403 can access the very smallest operating environments like poultry sheds and outbuildings.

4. Made to move
Our two-speed hydrostatic Bosch Rexroth transmission makes it easy for operators to achieve precise machine movements even in cramped spaces.

5. Productivity maximised
Range of quickhitches available, each equipped with hydraulic locking pin as standard, meaning you can change attachment easily and safely.

Compact wheel base and 45 degree steering articulation help to ensure tight turning circles and superb manoeuvrability.

The new JCB 403 benefits from a comfortable and spacious cab.
Our tilting steering column is easy to adjust for an ergonomic driving position.

All daily checks and routine maintenance points are easily accessed under the large single-piece bonnet.

Cab or canopy options available.

		403
Operating weight range	kg	2507 – 2526
Maximum gross engine power	kW (hp)	26 (36)
Shovel capacity	m^3	0.4
Full turn tipping load range	kg	1015 – 1215
Payload range	kg	509 – 610
Maximum breakout force	kN	16
Load over height	mm	2820

406/407/409 AGRI WHEEL LOADER.

1. Lifting capacity: 407 Agri
The smaller 407 Agri has an impressive 3326kg full turn tipping load with its standard 0.8m³ bucket.

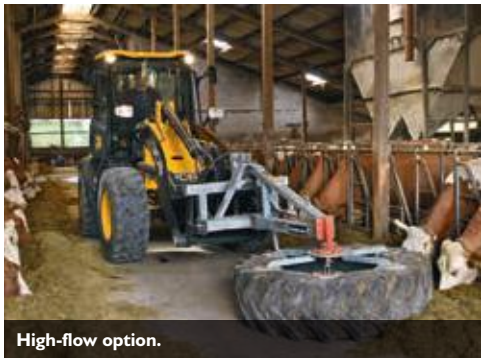
2. Lifting capacity: 409 Agri
With the standard 1m³ bucket there's a 4,583kg straight tipping load (3,648kg at full turn). With optional pallet forks there's still a 3737kg capacity.

3. Giving great service
Servicing is easy thanks to wide opening bonnets; long service intervals; virtually maintenance-free brakes; and easily accessible components.

4. Engine performance
A Tier 4 final / Stage 3b-compliant JCB Diesel engine by Kohler without a DPF. Gives maximum uptime and no wasted engine power.

5. Innovative transmission
All-wheel-drive hydrostatic transmission provides good traction in all conditions, as well as reduced tyre wear and lower running costs.

6. On the road
The powerful JCB 409 Agri offers 20km/h roading speed, with an optional 40km/h upgrade for even more speed and productivity.


High-flow option.

Large single piece bonnet.

Comfortable spacious cab.

3.5 tonnes rear hitch option.

Inching pedal allows precise control.

		406 AGRI	407 AGRI	409 AGRI
Operating weight	kg	4873	5063	5926
Maximum gross engine power	kW (hp)	36.4 (49)	48 (64)	56 (75)
Shovel capacity	m^3	0.8	0.8	1.0
Full turn tipping load	kg	3088	3326	3648
Payload	kg	1544	1663	1824
Maximum breakout force	kN	41.9	41.9	53.8
Load over height	mm	2991	2991	3189

413S WHEEL LOADER.

1. Six-speed gearbox
JCB's unique 6-speed powershift transmission for optimum cycle times and efficiency.

2. JCB CommandPlus Cab
The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.

3. Efficiency-boosting features
The transmission disconnect feature performs clutch cut-off for efficient, productive loader control.

4. Always in control
Variable displacement pump feed a load sensing valve block which only consumes power on demand, providing precise, efficient loader control.

5. EcoMAX performance
The JCB 4.8-litre EcoMAX Tier 4 Final (Stage 4) engine delivers 145hp (93kW) of power and torque, and also boasts a variable geometry turbo without the need of a DPF (Diesel particulate Filter).

6. Keeping its cool
Wide core cooling and optional reversing fan removes built up debris from the cooling pack for optimum machine performance.

Variable displacement pump provides precise and efficient loader control.

High lift arm option is available.

JCB Smoothride option reduces material spill.

Excellent all-round visibility.

		413S
Maximum operating weight	kg	9053
Maximum gross engine power	kW (hp)	108 (145)
Shovel capacity	m^3	1.6
Full turn tipping load	kg	5410
Payload	kg	2705
Maximum breakout force	kN	62.7
Dump height @ 45°	mm	2658

419S WHEEL LOADER.

1. Pushing further
The Cummins QSB 6.7 litre engine achieves maximum engine power (136kW) and peak torque (841Nm) at low revs for excellent response.

2. JCB CommandPlus Cab
The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.

3. Premium machine
By using premium components in the 419S (Cummins engine, ZF transmission and axles, Rexroth pump and Husco valve block), we've built in long service life as standard.

4. Fully protected
A solid rear counterweight protects the rear of the machine – including the rear lights and cooling pack – from damage.

5. Productivity maximised
Superb visibility in dark conditions is guaranteed with JCB's optional 360 degree LED lighting.

6. High power-to-weight ratio
A high power-to-weight ratio is ideal for farm work. Likewise JCB's optional smoothride system, which reduces spillages and structural stress whilst increasing comfort.

Command Plus cab comfort.

Optional 10 tonne hydraulic or mechanical tow hitch with hydraulic trailer brakes and 12V trailer electrics further improve versatility.

It's easy to get to the engine on a new JCB 419S with a large opening single-piece bonnet.

JCB CommandPlus cab provies the ultimate operator comfort and visibility.

		419S
Operating weight	kg	10613
Maximum gross engine power	kW (hp)	136 (183)
Shovel capacity	m^3	1.6
Full turn tipping load	kg	6695
Payload	kg	3485
Maximum breakout force	kN	92
Load over height	mm	3702

435S WHEEL LOADER.

1. Ultimate control
Variable displacement pumps feed a load sensing valve block which only consumes power on demand, providing precise, efficient loader control.

2. JCB CommandPlus Cab
The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.

3. Anything but idle
Our Automatic Idle feature drops rpm to 700 after 30 seconds of inactivity. Eco mode limits engine speed to 1800rpm for better fuel efficiency.

4. Six-speed gearbox
JCB's unique 6-speed transmission for optimum cycle times and efficiency. A torque convertor lock-up in every gear improves acceleration, climbing and roading.

5. Incredible power and productivity
Powered by a 6.7-litre Tier 4 Final (Stage 4) engine delivers 230hp (172kW) of power and torque, and also boasts a variable geometry turbo without the need of a DPF (Diesel particulate Filter).

6. High power-to-weight ratio
A high power-to-weight ratio is ideal for farm work. Likewise JCB's optional smoothride system, which reduces spillages and structural stress whilst increasing comfort.

264 l/min hydraulics provide fast cycles.

Excellent all-round visibility.

435S has a huge power-to-weight ratio of 16.8hp/tonne for ultimate pushing, climbing and roading performance.

A single piece electrically opening bonnet allow access to three sides of the engine bay and cooling pack.

		435S
Maximum operating weight	kg	15026
Maximum gross engine power	kW (hp)	172 (230)
Shovel capacity	m^3	2.4
Full turn tipping load	kg	8283
Payload	kg	4141
Maximum breakout force	kN	138
Dump height @ 45°	mm	2719

411/417 AGRI WHEEL LOADER.

1. EcoMAX performance
The JCB 4.4-litre EcoMAX Tier 4 Final (Stage 4) engine delivers 81kW/109hp on the 411, and 93kW/125hp on the 41, both also boasts a variable geometry turbo without the need of a DPF (Diesel particulate Filter).

2. JCB CommandPlus Cab
The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.

3. Efficient loading
The transmission disconnect feature performs clutch cut-off for efficient, productive loader control.

4. Delivering in bulk
Bulk-handling capability is excellent; the 417 even gives you the choice of high lift (HL) and super high lift (SHL) loader arms for loading at height.

5. Always in control
The 411 features a double gear pump, whilst the 417 is fitted with a single variable displacement pump, delivering flow on demand for efficient loader control.

6. Keeping its cool
Wide core cooling and optional reversing fan removes built up debris from the cooling pack for optimum machine performance.

High output handling in grain and fertiliser stores.

Stylish modern central dash display with colour LCD screen.

4 speed powershift transmission.

Access to the engine bay and cooling pack via the compact single-piece bonnet.

		411 AGRI	417 AGRI
Maximum operating weight	kg	8722	9602
Maximum gross engine power	kW (hp)	81 (109)	93 (125)
Shovel capacity	m^3	1.4	1.6
Full turn tipping load	kg	5451	6042
Payload	kg	2726	3021
Maximum breakout force	kN	73.2	70
Dump height @ 45°	mm	2718	2666

427/437 AGRI WHEEL LOADER.

1. At home on the farm
The JCB 427 or 437 AGRI is a powerful wheeled loader that's ideal for bulk handling duties. It's right at home in commercial grain and fertiliser stores.

2. JCB CommandPlus Cab
The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.

3. Always in the right gear
The 427 Agri has optional 6-speed gearbox for optimum gear matching to any application, and also features a lock-up torque converter on gears 1 to 6.

4. Efficiency-boosting technology
A transmission dump maximises hydraulic performance and limits vehicle speed when loading.

5. Ultimate control
Variable displacement pumps feed a load sensing valve block which only consumes power on demand, providing precise, efficient loader control.

6. Delivering in bulk
Bulk-handling capability is excellent; with a choice of standard lift (SL), high lift (HL) and super high lift (SHL) loader arms for increased loadover height.

Smoothride option reduces material spillage.

Air conditioning and climate control options.

Specifically designed for bulk handling farm applications.

A range of loader controls : multi-lever, joystick or joystick with proportional controls.

		427 AGRI	437 AGRI
Maximum operating weight	kg	13685	15114
Maximum gross engine power	kW (hp)	133 (179)	136 (183)
Shovel capacity	m^3	2.4	2.7
Full turn tipping load	kg	8455	8496
Payload	kg	4228	4248
Maximum breakout force	kN	106	122
Dump height @ 45°	mm	2739	2786

457 AGRI WHEEL LOADER.

1. At home on the farm
The JCB 457 AGRI is a powerful wheeled loader that's ideal for bulk handling duties. It's right at home in large commercial grain stores and fertiliser plants.

2. JCB CommandPlus Cab
The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.

3. Low maintenance braking
Because the braking system uses a hydraulic dual circuit design with oil-immersed discs, it has a virtually maintenance-free lifespan.

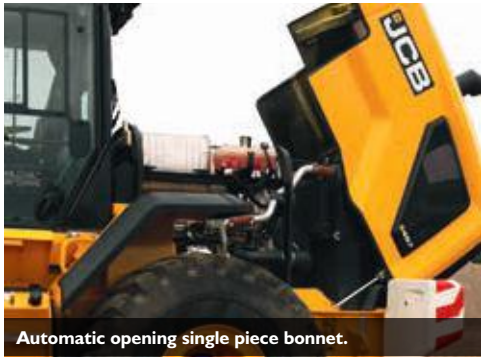
4. Optimum performance
Our optional close-ratio 5-speed gearbox improves acceleration, hill climbing and driving. The lock-up element improves cycle times and efficiency even more.

5. New generation not regeneration
The engine meets Tier 4 Final regulations without the requirement for a costly and complex DPF. One advantage of this is reduced servicing costs.

6. The ultimate engine
A MTU 7.7 litre engine 193kW(258hp) is fitted to the 457; expect 4% more power and up to 16% efficiency gains than outgoing model 186kW(250hp)

Increased power at low revs gives up to 16% fuel savings.

JCB CommandPlus cab with two LCD screens give easy access to operating menus. Adjustable steering column with seat mounted hydraulic controls.



Automatic opening single piece bonnet.

Excellent all-round visibility.

		457 AGRI
Operating weight range	kg	20534
Maximum gross engine power	kW (hp)	193 (258)
Shovel capacity	m^3	3.5
Full turn tipping load range	kg	12504
Payload range	kg	6252
Maximum breakout force	kN	161
Load over height	mm	4031

ATTACHMENTS.

FROM BUCKETS, SHOVELS, GRASS FORKS AND HIGH TIP SHOVELS, TO SPECIALISED PRODUCTS FOR A HUGE RANGE OF APPLICATIONS. OUR GENUINE JCB ATTACHMENTS CAN BE PERFECTLY MATCHED TO ANY MACHINE. THEY'RE BACKED BY OUR WORLDWIDE SERVICE TEAM TOO.

Folding grass fork.

JCB Sweeper collector.

Muck fork.

Grain shovel.

High-tip shovel.

JCB
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JCB
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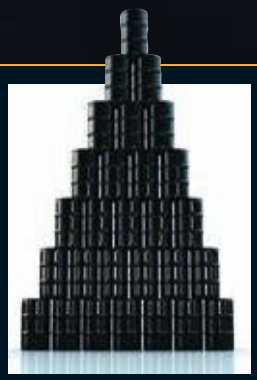
427
40

LIVELINK, WORK SMARTER.

LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MANAGE JCB MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE. ACCESS EVERYTHING FROM MACHINE ALERTS TO FUEL REPORTS AND HISTORY INFORMATION, WITH ALL DATA STORED AT A SECURE CENTRE.

Productivity and cost benefits

By providing information like idle time monitoring and machine fuel consumption, JCB LiveLink helps reduce your fuel usage, saving money and improving productivity. Machine location information can help improve efficiency and perhaps even reduce insurance costs.



Maintenance benefits

Manage machine maintenance easily – accurate hours monitoring and service alerts improve maintenance planning, while real-time location data helps you manage your fleet. Critical machine alerts and maintenance history records are also available.

Security benefits

LiveLink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorised usage. Further benefits include real-time location information.

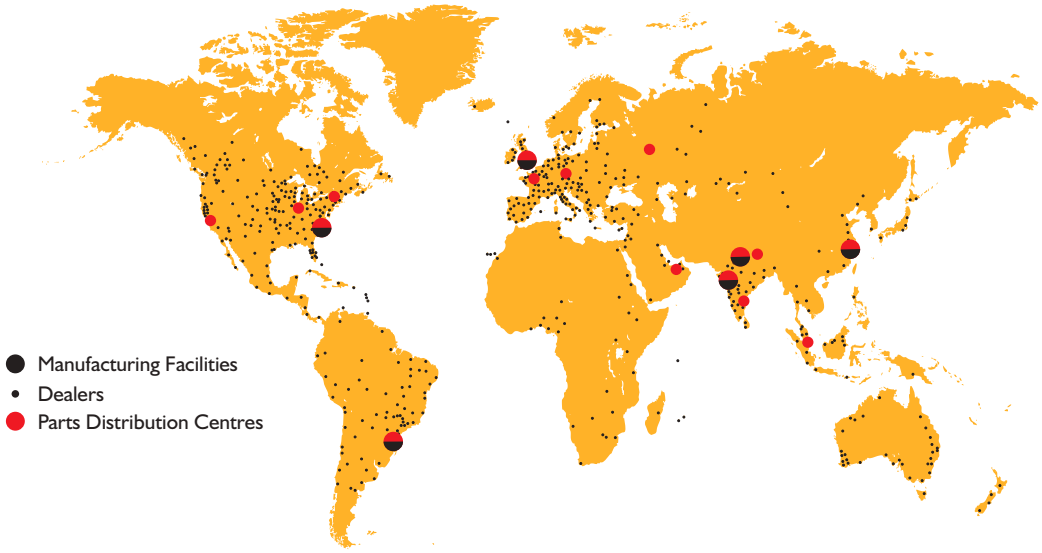
VALUE ADDED.

JCB'S WORLDWIDE CUSTOMER SUPPORT IS FIRST CLASS. WHATEVER YOU NEED AND WHEREVER YOU ARE, WE'LL BE AVAILABLE QUICKLY AND EFFICIENTLY TO HELP MAKE SURE YOUR MACHINERY IS PERFORMING TO ITS FULL POTENTIAL.

1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

2 The global network of JCB Parts Centres is another model of efficiency; with 16 regional bases, we can deliver around 95% of all parts anywhere in the world within 24 hours. Our genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.

3 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.



Note: JCB LIVELINK and JCB ASSETCARE may not be available in your region, so please check with your local dealer.

ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

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WHEEL LOADER AGRICULTURAL RANGE

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