



BACKHOE LOADER | RANGE



BUILDING THE ULTIMATE 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 backhoe loader and the telehandler for example – and revolutionised others like the tractor or 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.





OVER SIXTY YEARS AND COUNTING.

AT MORE THAN SIXTY YEARS OF AGE, JCB'S ICONIC BACKHOE LOADER IS JUST AS FRESH AND INNOVATIVE TODAY AS IT WAS WHEN IT WAS FIRST CONCEIVED. BACK THEN, COMPANY FOUNDER JOSEPH CYRIL BAMFORD INVENTED THE ENTIRE BACKHOE LOADER CONCEPT WHEN HE COMBINED A LIGHTWEIGHT BACKHOE WITH A TRACTOR LOADER. FOR THE FIRST TIME, A SINGLE MACHINE COMBINED A FRONT SHOVEL AND REAR EXCAVATOR ARM.

Today's JCB continues to innovate and is the world's best selling backhoe.



THE 50'S. The JCB MKI Major Loader.



THE 60'S. The JCB I.



THE 70'S. The JCB 3CIII.

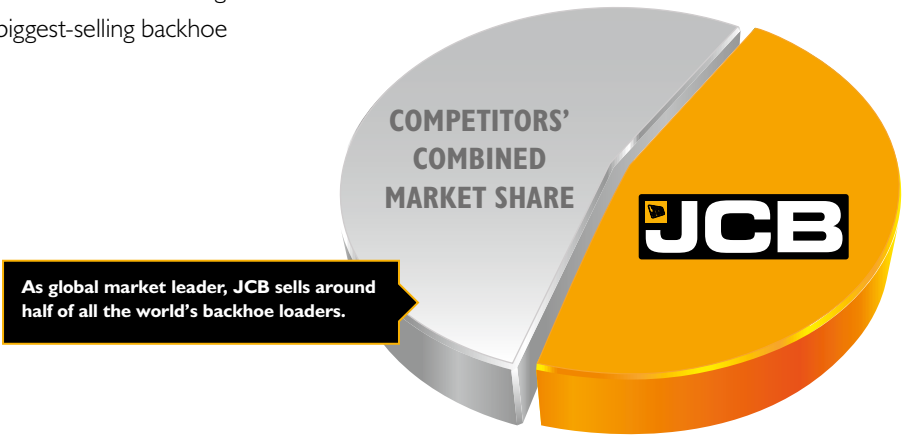
The world's first... and still the best.

Throughout the intervening years, JCB has continued to improve on this basic concept by using innovative thinking and advanced engineering principles. In the process, many of our innovations have become industry-standard features. Like four-wheel drive, for example, as well as extending dippers, torque converter drive, powershift transmissions, all-wheel steer, sideshift chassis, powerslide, and skid steer.

As a direct result of our innovative thinking and pioneering spirit, our backhoe loader range has led the world in terms of both features and sales. Today, we're the biggest-selling backhoe loader manufacturer on the planet, and have been for decades.

An innovative future.

We recognise that a large part of our success is down to the fact that we listen to what our customers want. And we'll be continuing this trend, always striving to build the most productive, dependable and efficient machines that technology will allow. In an increasingly tough market, we're already attaching particular importance to versatility, residuals and fuel efficiency, all of which you'll find in abundance on this latest range of backhoe loaders.



THE 80'S. The JCB 3CX.



THE 90'S. The JCB 3CX Sitemaster.



THE 00'S. The JCB 3CX Eco.



THE FUTURE?

ICX BACKHOE LOADER.

1. Visibly better

Great forward visibility – courtesy of a steep-nosed bonnet and front-mounted loader arms – makes operating a JCB ICX safe and confidence-inspiring.

2. Higher standards of lowering

Unlike rival skid steers, the ICX's loader offers parallel lift whether raising or lowering.

3. End to end

A swivel seat allows operators to face either the loader or the excavator end, offering more versatility than a conventional skid steer.

4. Boom and dipper

We've designed the ICX with an equal-length boom and dipper. This makes for maximum trench length and minimal machine repositioning.



5. Agile performance

This backhoe is nimble enough to manoeuvre in tight spaces and confined areas.

6. In the city

Supreme mobility makes this a perfect machine for working on restricted sites in city centres, like underground digs.

This backhoe is smoother, more powerful and more productive than an ordinary skid steer with attachment.



As the ultimate 2-in-1 machine, the ICX can save you time and money.



A versatile machine, made even more so by a vast range of attachments.



The ICX uses less fuel than alternative machines, further reducing running costs.

		ICX
Operating weight	kg	3254
Gross engine power	kW (hp)	37.3 (50)
Dig depth	ret/ext m	2.55 / 3.05
Steer mode		Skid Steer
Loader shovel breakout	kgf	2350
Maximum loader shovel capacity	m ³	0.28
Maximum dipper tearout	ret/ext kgf	1488
Maximum bucket tearout	kgf	2350

ICXT BACKHOE LOADER.

1. Visibly better

Great forward visibility – courtesy of a steep-nosed bonnet and front-mounted loader arms – makes operating a JCB ICXT safe and confidence-inspiring.

2. Higher standards of lowering

Unlike rival skid steers, the ICXT's loader offers parallel lift whether raising or lowering.

3. End to end

A swivel seat allows operators to face either the loader or the excavator end, offering more versatility than a conventional skid steer.

4. Boom and dipper

We've designed the ICXT with an equal-length boom and dipper. This makes for maximum trench length and minimal machine repositioning. Optional Extradig allows for excellent ground reach and greater dig depth.



5. Agile performance

This backhoe is nimble enough to manoeuvre in tight spaces and confined areas.

6. In the city

Supreme mobility makes this a perfect machine for working on restricted sites in city centres, like underground digs.



The ICX's cab glass not only permits superb all-round visibility, but it ensures operator safety too.



Loadover height is a lofty 2.65m.



Quick, easy ground level access to daily checks.

Whether you opt for a cab or canopy on your ICXT, you'll benefit from side entry so, unlike on a conventional skid steer, there's no need to climb over attachments to gain access.



Multiple attachments available.

		ICXT
Operating weight	kg	4000
Gross engine power	kW (hp)	36.3 (49)
Dig depth	ret/ext m	2.55 / 3.05
Steer mode		Skid Steer
Loader shovel breakout	kgf	2350
Maximum loader shovel capacity	m ³	0.28
Maximum dipper tearout	ret/ext kgf	1488
Maximum bucket tearout	kgf	2350

3DX BACKHOE LOADER.

1. Powerful hydraulics

The 3DX has a high-pressure hydraulic system with large cylinders for huge tearout on any ground.

2. Operator environment

To keep operators comfy, alert and productive, we've provided a cab with plenty of room, easy access, a plush seat and ergonomic controls.

3. Full marks for geometry

JCB's 4-ram parallel lift loader geometry improves visibility, load retention, dump height, reach and truck loading.

6. A pleasure to own

JCB DIESELMAX engine provides a combination of increased productivity and reduced fuel consumption, saving you money.

4. Passing every test

The 3DX has been tested and proven across 1.2 million cycles of the hardest digging and loading applications.

5. A full day's work

You can work for a whole day without refuelling courtesy of our 128-litre fuel tank.

With powerful hydraulics, huge tearout forces, commanding visibility, perfectly matched componentry and rugged build quality, the JCB 3DX is designed to provide unsurpassed productivity and reliability.



Loader arms are extremely tough, providing breakout of 6,500kgf.



Parallel lift loader geometry improves visibility and load retention.



Bucket tearout is a hefty 5,700kgf.



A JCB backhoe is designed to drive around sites, drive between sites, and then drive home at the end of the day.

		3DX
Operating weight	kg	7800
Gross engine power	kW (hp)	68.6 (92)
Dig depth	m	4.77
Steer mode		2WS
Loader shovel breakout	kgf	6500
Maximum loader shovel capacity	m³	1.0
Maximum dipper tearout	kgf	3010
Maximum bucket tearout	kgf	5700

3CX ECO BACKHOE LOADER.

1. Best cab in class

With low noise levels, ample storage and even a coolbox on air conditioned models, our cab is the biggest and best around.

2. Durability to the Max

Our DIESELMAX engine has been tried and tested to last the distance in even the harshest applications and environments.

3. Going with the flow

Benefit from low and high-flow hydraulic power with our bi-directional system, capable of powering many attachments.

4. Maximum manoeuvrability

JCB's Powerslide feature is better than ever, boasting a large hydraulic ram for plenty of repositioning power.

5. Made for each other

The DIESELMAX engine is mated to an all-JCB driveline for ultimate performance and reliability.

6. Tonnes of capacity

Placing loads of up to 2,000kg is no problem with the 3CX's front hydraulic quickhitch and integrated pallet forks.



The steering ram is protected from impact damage because it is mounted behind the front axle.



Our innovative scoop design one-piece rear windscreen offers excellent visibility.



The 3CX Contractor's heavy-duty lift rams provide 3.87 tonnes of force.



A backhoe loader is, by its very nature, a highly versatile machine, but our optional extras make it all the more so, allowing you to tailor your 3CX to a huge array of different applications.

		3CX	3CX SM	3CX SUPER	3CX SUPER SM	3CX CONTRACTOR
Operating weight	kg	7370	8070	7855	8258	8176
Gross engine power	kW (hp)	63 (85)	63 (85) or 68.6 (92)	68.6 (92)	68.6 (92)	74.2 (100)
Dig depth	ret/ext m	4.24	4.25 / 5.46	4.37	4.37 / 5.58	4.24 / 5.46
Steer mode		2WS	2WS	4WS	4WS	2WS
Loader shovel breakout	kgf	6170	6531	6227	6590	6531
Maximum loader shovel capacity	m ³	1.1*	1.3**	1.3*	1.3**	1.3**
Maximum dipper tearout	ret/ext kgf	3217	3225 / 2255	3217	3225 / 2255	3903 / 2729
Maximum bucket tearout	kgf	6324	6228	6324	6228	6228

* GP Shovel ** 6-in-1 Shovel

4CX BACKHOE LOADER.

1. Deeply impressive

With a standard-fit 14' and optional 15' 6" excavator and 6.51m dig depth, the JCB 4CX Super is a high-performance machine.

2. Comfortably in control

Ergonomic seat-mounted servo controls – a standard fit on some models – provide great manoeuvrability, fingertip control and supreme comfort.

3. Durability to the Max

Our DIESELMAX engine has been tried and tested to last the distance in even the harshest applications and environments.

6. Access all areas

Choose from three steer modes to suit every situation: two-wheel, four-wheel or crab steer.

4. Speed is everything

Fast and responsive cycles are guaranteed on the 4CX with an increased 165 l/min peak hydraulic flow.

5. Attention to detail

JCB's robot-welded single piece chassis maximises strength and minimises weight.





Optional 1.3m³ shovel capacity along with 3 steering modes provide exceptional on-site productivity.



JCB's new multi-functional instrument control panel can provide current and average fuel consumption.



The steering ram is protected from impact damage because it is mounted behind the front axle.

		4CX	4CX SM	4CX SUPER	4CX SUPER SM	4CN
Operating weight	kg	8152	8599	8130	8880	8660
Gross engine power	kW (hp)	74.2 (100)	74.2 (100)	74.2 (100)	74.2 (100)	74.2 (100)
Dig depth	ret/ext m	4.32	4.32 / 5.53	4.98	4.98 / 6.14	5.191
Steer mode		4WS	4WS	4WS	4WS	4WS
Loader shovel breakout	kgf	6227	6590	6590	6590	6590
Maximum loader shovel capacity	m ³	1.3*	1.3**	1.3*	1.3**	1.3**
Maximum dipper tearout	ret/ext kgf	3893	3903 / 2729	3722 / 2675	3722 / 2675	3893
Maximum bucket tearout	kgf	6324	6324	6324	6324	6929

* GP Bucket ** 6-in-1 Bucket

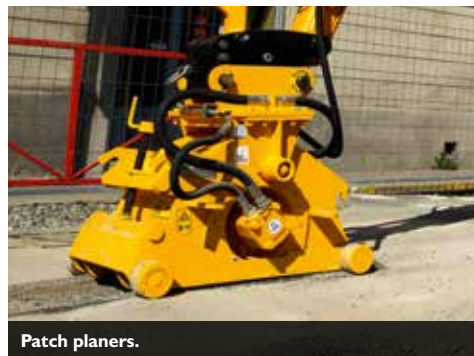
ATTACHMENTS.

JCB ATTACHMENTS ARE DESIGNED TO MEET THE EXACT REQUIREMENTS OF OUR MACHINERY FOR OPTIMUM PRODUCTIVITY. FROM BUCKETS TO SHOVELS, HANDHELD HYDRAULIC TOOLS, COMPACTION EQUIPMENT AND PATCH PLANERS, WE'VE GOT THE RIGHT ATTACHMENTS FOR ANY JCB BACKHOE LOADER YOU CHOOSE.

For added versatility, you can use your backhoe loader as a power source for a whole range of handheld tools.



Sweeper collectors.



Patch planers.



Earth drill.



Hammers.

		HAMMERMASTER HMI15	HAMMERMASTER HMI66Q	HAMMERMASTER HM266Q	HAMMERMASTER HM386Q	HAMMERMASTER HM496Q	EARTH DRILL
Weight	kg	110	162	224	329	480	105 + Flight
Carrier weight	t	45	2.0 - 4.5	2.8 - 6.0	4.5 - 9.0	6.0 - 12	2.0 - 8.0
Impact energy (published)	J	1.0 - 3.5	252	376	600	850	3500 - 6000 Nm Torque
Blow rate min - max	bpm	200	1020 - 1750	840 - 1400	600 - 1380	540 - 1250	N/A

		SWEeper COLLECTOR	PATCH PLANER	KERBMASTER	COMPACTOR	FORKS/FRAMES
Width	mm	1500 - 2400	400	N/A	305	75-125
Capacity	m³	0.37 - 0.4	N/A	180 kg	N/A	1 - 4 t per fork
Weight	kg	700 - 850	500	65 - 98	178	115

		GENERAL PURPOSE BUCKET	DITCH MAINTENANCE BUCKET	GENERAL PURPOSE SHOVEL	6-IN-1 SHOVEL	SIDE TIP SHOVEL
Width	mm	230 - 900	1200 - 1520	1850 - 2440	1850 - 2440	1850
Capacity	m³	0.028 - 0.2	0.12 - 0.18	0.45 - 1.1	0.16 - 1.3	0.62
Weight	kg	52 - 179	116 - 172	153 - 527	190 - 457	500

		RIBBED BUCKET	TAPER DITCH BUCKET	JAW BUCKET	TILTING GRADING BUCKET	SNOWBLADE
Width	mm	250 - 900	305 - 1676	24	1525	2290
Capacity	m³	0.04 - 0.12	0.06 - 0.1	0.2	0.16	N/A
Weight	kg	105 - 210	111 - 185	280	340	490

*Attachments suitability varies by machine model and specification.



Ditching buckets.



Side-tip shovels.



Trapezoidal buckets.



Kerbmasters.

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.



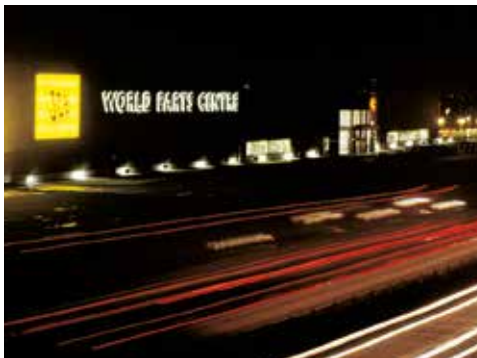
Security benefits

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, straight to your mobile phone. Further benefits include real-time location information, and LiveLink has its own internal battery and aerial.



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.



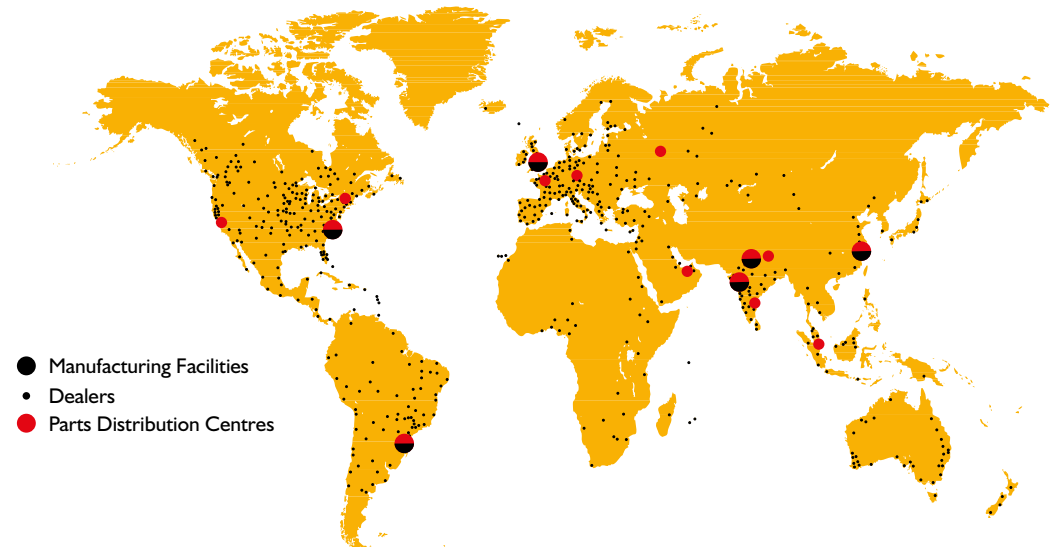
1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

2 The global network of JCB Parts Centres is another model of efficiency; with 15 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

BACKHOE LOADER RANGE

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Download the very latest information on this product range at: www.jcb.com

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