COMPACTION

A Product of Hard Work

Class-leading performance, styling and serviceability
It's the perfect combination for ultimate productivity

PERFORMANCE, QUALITY AND COMFORT – THE COMPLETE COMPACTION SOLUTION

JCB Vibromax is an established and popular range of high-performance compaction equipment. We're proud to manufacture the current JCB compaction range in Germany, building on the Vibromax heritage and using our own blend of world-class manufacturing and engineering excellence to deliver unrivalled quality and reliability. From 0.2 to 20 tonnes, our extensive range of products boasts class-leading compaction performance, styling and serviceability to give you ultimate productivity, no matter how tough things get. And of course, these machines come with the additional benefits of our extensive worldwide distribution network and our global reputation for the best back-up in the business.

VMR Series rapid blow rammers

The JCB Vibromax VMR Series features a low-maintenance design that results in longer working hours for higher productivity. Strong and sturdy, these rammers have a low centre of gravity with a four-column guide for a stable function, guaranteeing high reliability for continuous, fault-free working. Plus, these machines also generate a horizontal force for moving forwards which makes them easier for the operator to handle.

EXCEPTIONAL STANDARD FEATURES

- Two popular sizes to match most applications
- Oil bath lubrication on all moving and rotating parts
- Engine protection bar
- Emergency switch on guide bar
- Protected air cleaner on top of the machine
- Special damping plate material that acts as a shock absorber
- 4-stroke engines
- Transport device on guide bar
- **Options:** Transport wheels

FP Series forward vibratory plate compactors

The FP Series has been specifically designed for easy, effective compaction of asphalt, soil and other non-cohesive (or less-cohesive) materials. Built for low hand/arm vibration levels and high productivity, these machines feature a powerful Honda petrol engine and a wear-resistant, high-grade cast tamping plate for optimum durability. There are three models to choose from to suit a wide range of compaction jobs.

EXCEPTIONAL STANDARD FEATURES

- Wear-resistant, high-grade cast tamping plate
- Oil bath lubrication of vibration bearings
- Shock-mounted, powerful petrol engine
- Low vibration levels
- Fast travel and high productivity
- Roll cage protects the unit and acts as a lifting bail
- **Options:** Transport wheels, water sprinkler system and rubber paving stone pads

VMP Series reversible plate compactors

This comprehensive range of plate compactors provides a choice of models to suit every type of compaction application. All of the units are hydrostatically operated and designed to effectively compact granular material and cohesive material. With a reversing and stationary feature, these machines allow you to carry out compaction tasks in confined areas where turning would be difficult (or impossible) for a non-reversing unit. All of the VMP models also feature high compaction output and surface performance for the toughest jobs.

EXCEPTIONAL STANDARD FEATURES

- Roll cage protects the unit and acts as a lifting bail
- Single forward/reverse control lever
- Shock-mounted strong engines
- Lifetime lubricated vibrator bearings
- Wear-resistant, high-grade cast damping plate
- Built-in device to fix a vulcolan paving mat and additional extension plate
- Specially balanced and isolated guide bars to protect operator against hand/arm effects
- **Options:** Extension plates for VMP24 Additional vulcolan paving mats for all machines for compaction of concrete paving stones and similar jobs

VM Multi-purpose vibratory compactor/ trench rollers

The JCB Vibromax VM1500 high-impact roller is the best performer of its type in the industry and, as you would expect, it is designed for maximum productivity on a variety of different soils. There are two models available: the manually controlled VM1500M and the remote controlled VM1500F. Both feature 4-drum drive steering and a centre mounted vibration exciter system.

EXCEPTIONAL STANDARD FEATURES

- Automatic engine shut down if machine tips over
- Permanently lubricated, centre-mounted vibration exciter system
- Hydrodynamic braking
- Low operating noise, 3-cylinder, water-cooled engine
- Dual scrapers on each drum
- Lockable access hood
- Safety control bar
- Hour meter
- Electric start with engine pre-heater
- Hydraulic level sight gauge
- Indicator light for alternator, water temperature and low engine oil
- Class-leading access to all components for service
- Battery, fuel and hydraulic oil tank protected against theft and vandalism
- Central lifting eye
- Textile stripes protect rubber mountings when machine is lifted
- **Options:** 630mm or 850mm wide padfoot drums, anti-vandal kit, external battery charger 230V

VMD Series double drum vibratory rollers

The robust VMD70 and VMD100 feature best-in-class manoeuvrability, safety and serviceability. Both models are a direct response to customer feedback on the previous range with a complete new machine layout putting the engine on the front and the huge water tank to the rear which provides a perfect 50/50 weight distribution. Both models are fully hydrostatic and offer a best-in-class kerb clearance. Both VMD70 and VMD100 are easy to use. The combination of static weight, manoeuvrability, amplitude and high frequency lifts both models to the top of the market in terms of productivity.

EXCEPTIONAL STANDARD FEATURES

- Manual or E-start
- 2 Hydrostatic motors for superior traction and kerb clearance reliability
- Vibration isolated, ergonomic and tiltable guide bar
- Low noise level
- Low maintenance
- High kerb clearance

Options: Tool bag, engine protection cover, hour meter, water tank cap lock, bio-degradeable hydraulic oil, tropical hydraulic oil

JCB
JCB
VIBROMAX
VMD100

JCB

VMT Series vibratory tandem rollers

To ensure maximum quality, all machines in the VMT Series are put through their paces on a test bench during an intensive test-run at the factory.

The range of models features vibratory tandem rollers designed to offer high productivity and reliability with maximum operating economy. The ideal combination of static weights, centrifugal forces and amplitudes makes these machines perfect for handling a wide range of compaction jobs (from the rolling of sub-base to finish rolling of asphalt materials) in a wide range of areas (yards, access roads, residential streets, car parks, roads, highways and airports) on soil and asphalt. All models boast excellent manoeuvrability and compact design.

EXCEPTIONAL STANDARD FEATURES

- Automatic vibration control with manual override
- High vibration frequency for fast rolling speed
- High curb and side clearance
- Hydrostatic propulsion of front and rear drums
- Oil splash lubricated vibration bearings
- Spring-loaded and adjustable vulcolan scrapers each drum
- Lightweight hood for easy maintenance access
- Front-to-rear-frame oscillation for stability
- VMT160/260/860: double, single front or single rear vibration
- Best service access in the industry
- High quality and proved components
- Exceptional hose and piping protection
- Comfortable driver stands with extremely low vibration levels
- Centre joints free of maintenance
- Machined drum surfaces for concentricity
- Powerful air-cooled or water-cooled diesel engine
- Pressurised filtered water spray system
- Adjustable seat
- Spring-applied, hydraulically released parking brakes on each drum
- Largest fuel tanks in the industry
- Single-piece circular excentric shafts, ensure performance and durability

Options: Fixed or foldable ROPS with seat belt, working lights (standard for CE), safety switch on operator seat (standard for CE), road lights, reverse alarm (standard for CE), instrument panel cover, flashing beacon, edge cutting device, side shifting, FOPS fitted to ROPS, chip spreader, cab, heating, air-conditioning, Compatronic, etc.

JCB
VIBROMAX

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JCB

VM Series vibratory single drum compactors

To ensure maximum quality, all the machines in the JCB Vibromax VM Series are put through their paces on a test bench during a two-hour test run at the factory, so this is performance you know you can count on. The range of models features self-propelled vibratory rollers designed to offer high productivity and reliability with maximum operating economy. But these are also extremely versatile machines; two frequencies and amplitudes (except VM46) meet natural soil frequencies making them ideal for a wide range of cohesive soil jobs as well as compaction jobs on streets, roads, parking areas, building sites, rock-fill dams, super highways and airport projects. All VM models can handle thick lifts of cohesive soil jobs and superior gradeability is achieved through high-torque propulsion components, maximum balance of drum-to-tractor weight and a built-in anti-slip system.

EXCEPTIONAL STANDARD FEATURES

- Maintenance-free, lifetime-lubricated centre joint
- Vibrator bearings oil splash lubricated
- AVC
- Reverse alarm
- Centre joint free from maintenance
- One-piece exciter shafts built for long life
- Hydrostatic propulsion of drum and wheels
- Switchable-Anti-Slip-System (SASS) for high performance on slopes
- No-spin axle
- One lockable hood covers the complete engine compartment
- TC system features top-charging air inlet on the highest point of tractor part
- 100% access to all hydraulic and engine components
- Pre-loaded rubber mountings
- Service station for all hydraulic functions
- Front-to-rear-frame oscillation for stability
- Powerful water-cooled diesel engine
- Maximised vibrating mass for best compaction results
- Flush frame sides for confined operation
- Comfortable operator station with weight-adjustable seat and 360° view
- Indicators for complete engine and machine functions
- Emergency stop and seat belt for safe operation
- Tyres track within drum width

Options: Compatronic (R), Compatronic Pro (R), Electronic Traction Control, ROPS or 360° cabin , FOPS, canopy to ROPS, PD shell kits, Levelling blades, Asphalt kits, PD version, Compatronic TP, etc.

JCB
VIBROMAX
JCB
VM115

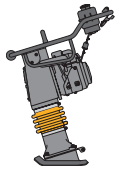
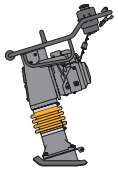
Tow-type vibratory compactors

The JCB Vibromax VM651 is a high-performance, low-cost tow-type roller designed for larger compaction sites where compaction needs to be done in intervals. The exciter shaft on these machines is hydraulically driven, vibration can be switched on and off from the towing vehicle, plus there is an electrical starting system.

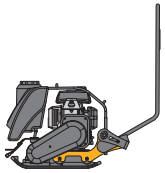
EXCEPTIONAL STANDARD FEATURES

- Oil splash lubricated eccentric bearings
- Strong and sturdy 'one-piece frame'
- Adjustable coupling for connection to various vehicles
- Powerful air-cooled diesel engine with integrated oil-cooling radiator
- **Options:** Padfoot – shell kit

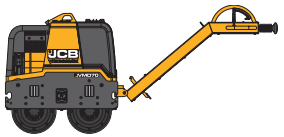
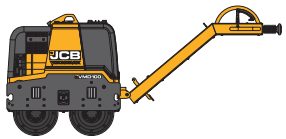
JCB
SN53 JVI
VM651
JCB
JCB
VIBROMAX

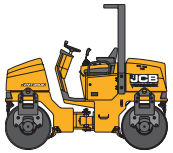
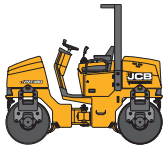
		VMR60	VMR75
			
Engine		Honda GX100	Robin EH 12-2
Performance DIN 6271	kW (hp)	2,5 / 3,4	2,6 / 3,5
Operating weight (CECE)	kg / lb	60 / 132	73 / 160
Working width	mm / in	280 / 11	280 / 11
Blows/minute		739	660
Tamping force	kN	14,0	16,0

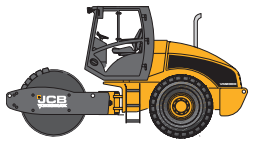
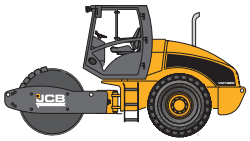
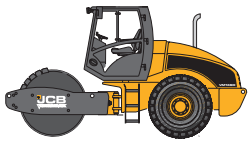
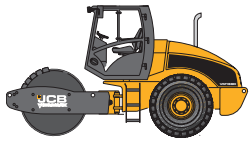
		VMP8	VMP14	VMP18	VMP24
Engine		Honda GX120	Hatz 1 B20 / Lombardini 15LD 22	Hatz 1 B20 / Lombardini 15LD 225	Hatz 1 B20 / Lombardini 15LD 350S
Performance DIN 6271	kW (hp)	2,9 / 3,9	Hatz - 3,1 / 4,2 Lombardini - 3,1 / 4,2	Hatz - 3,1 / 4,2 Lombardini - 3,1 / 4,2	Hatz - 4,5 / 6,2 Lombardini - 3,6 / 4,9
Operating weight (CECE)	kg / lb	80 / 176	135 / 297	177 / 390	235 / 517
Working width	mm / in	325 / 12,8	425 / 16,7	450 / 17,7	500 / 20 std, 600 / 23.6 Max
Frequency	Hz	100	80	75	75
Centrifugal force	kN	16	25	30	38
Starter		Recoil	Recoil	Recoil	Recoil

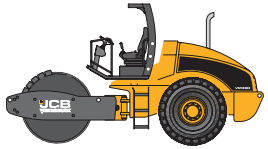
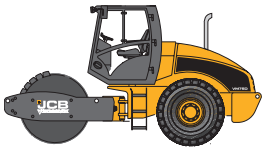
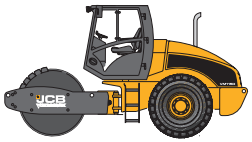
		FP1030	FP1540	FP1550
				
Engine		Honda GX100	Honda GX160	Honda GX160
Performance DIN 6271	kW (hp)	2,1 / 2.8	3,6 / 4,8	3,6 / 4,8
Operating weight (CECE)*	kg / lb	62 / 136,7	91 / 200.6	100 / 220.5
Working width	mm / in	300 / 11,8	400 / 15.7	500 / 19,7
Frequency	Hz	100	100	100
Centrifugal force	kN	10	15	15

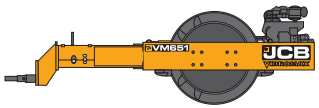
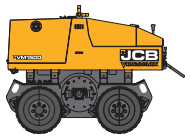
* Standard build

		VMD70	VMD100
			
Performance DIN 6271	kW (hp)	6,6 / 9,0	6,6 / 9,0
Operating weight (CECE)	kg / lb	740 / 1632	920 / 2029
Working width	mm / in	650 / 25,6	750 / 29,1
Frequency	Hz	60	60
Amplitude	mm	0,49	0,51
Centrifugal force	kN	21,9	27,1

		VMT160/TSC	VMT260	VMT390/400	VMT480/500
					
Engine		Kubota	Kubota	Kubota	Kubota
Performance DIN 6271	kW (hp)	17 / 23	24,4 / 33,2	34,3 / 46,6	34,3 / 46,6
Operating weight (CECE)	kg / lb	1680 / 2040 - 3703 / 4497	2670 / 2940 - 5886 / 6481	4000 / 4080 - 8818 / 8995	4770 / 4850 - 10516 / 10692
Operating width	mm / in	800 / 900 / 1000 - 31,5 / 35,4 / 39,4	1000 / 1200 - 39,4 / 47,2	1300 / 1400 - 51,2 / 55,1	1300 / 1400 - 51,2 / 55,1
Frequency	Hz	50 ... 66	50 ... 66	55	50 and 55
Amplitude	mm	0,5	0,5	0,51	0,56 and 0,33
Centrifugal force	kN	9,2 ... 18	26 ... 45	48 / 51	53 and 31

		VM200D/PD	VM132D/PD	VM146D/PD	VM166D/PD
					
Engine		Cummins / Cummins Tier 3	Cummins / JCB Tier 3	Cummins / JCB Tier 3	Cummins / Cummins Tier 3
Performance DIN 6271	kW (hp)	129 / 173	112 / 150 - 108 / 145	129 / 173 - 120 / 161	129 / 173
Operating weight (CECE)	kg / lb	19700 / 19700 - 43431 / 43431	13000 / 13400 - 28660 / 29541	14500 / 14900 - 31966 / 32848	16400 / 16800 - 36155 / 37037
Operating width	mm / in	2100 / 82,7	2100 / 82,7	2100 / 82,7	2100 / 82,7
Frequency	Hz	29 / 35	29 / 36	29 / 36	29 / 35
Amplitude	mm	2 / 0,75	2 / 0,8	2 / 0,8	1,8 / 0,8
Centrifugal force	kN	370 / 205	282 / 174 - 305 / 188	297 / 192 - 317 / 205	301 / 195 - 321 / 208

VMT860	VM46D/PD	VM75D/PD	VM115D/PD	VM115HD/HPD
				
JCB	Cummins	JCB Tier 3	JCB / JCB Tier 3	JCB / JCB Tier 3
63 / 85	45 / 60	60 / 80 - 63 / 84	93 / 125 - 97 / 130	93 / 125 - 97 / 130
8750 / 19290 (ROPS) 9250 / 20392 (cabin)	4720 / 5020 - 10406 / 11067	7650 / 7960 - 16337 / 17548	11300 / 11600 - 24912 / 25573	12150 / 12450 - 26786 / 27447
1675 - 66	1400 / 55,1	1750 / 68,9	2100 / 82,7	2100 / 82,7
33,3 / 50	32	29 / 36	31 / 36	31 / 36
1,1 / 0,23	1,8 / 1,5	2 / 0,8	1,95 / 0,9	1,95 / 0,9
71 / 37	101,6	168 / 84 - 156 / 96	261 / 163 - 282 / 176	261 / 163 - 282 / 176

VM651	VM1500M	VM1500F
		
Deutz	Kubota	Kubota
42 / 57	16,8 / 22,8	16,8 / 22,8
6300 / 6500	1500 / 3306	1500 / 3306
2100 / 82,7	630 / 850	630 / 850
40	31	31
1,35	2,4	2,4
210	–	–

Your machine – working efficiently, secure and in good health

JCB LiveLink and Guardian are the key to all three

LIVELINK

JCB Guardian

As part of our dedication to looking at new, innovative ways to help you get the most out of your machine, our latest development is JCB LiveLink: an advanced machine monitoring system that enables you to better protect your investment and accurately monitor and improve machine performance.

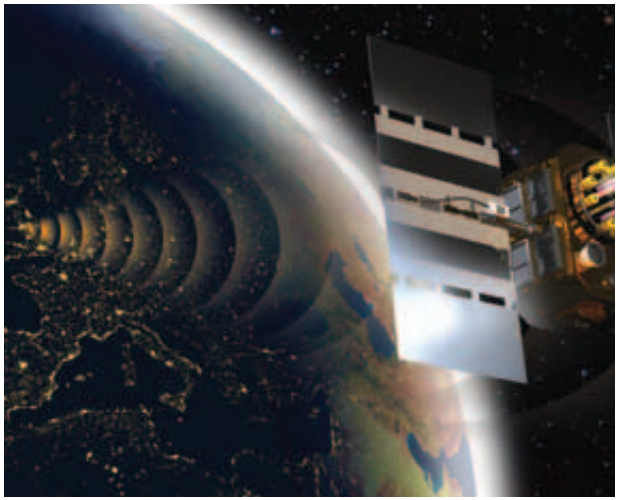
JCB LiveLink is a software system that enables JCB owners to monitor and manage their machines remotely. All you need is a PC connected to the internet. The LiveLink computer is built into the machine where it collects information from a number of sensors. This information is sent, using mobile communications technology, to JCB's secure data centre. Machine management information is then displayed to users via the LiveLink website, by email or via mobile phone.

By providing you with information on the usage and productivity of your fleet, JCB LiveLink enables you to keep track of each machine's efficiency, ensuring that you get the best value for money possible.

By providing information on the location, movement and activity of machines, the system can also assist in ensuring machines are operated at the correct times and helps to protect them from theft. And, JCB LiveLink helps machine owners to confirm that their machines are well maintained and in good health without having to travel around work sites inspecting machines.

In response to increasing concerns regarding machine security, we now also offer JCB Guardian as an option on every new JCB machine. JCB Guardian is a package of theft protection and monitoring systems that includes LiveLink telemetry along with *CESAR identification, immobiliser technology and a host of optional locks and guards. It's your peace of mind solution that can also result in considerable insurance premium savings.

**Territory specific*



Flexible aftercare solutions from JCB Assetcare

JCB Assetcare is a range of flexible service options designed to ensure you get the very highest standards of machine servicing, no matter what your budget. It guarantees you the optimum level of aftersales support, with highly skilled, factory-trained engineers using genuine JCB parts and lubricants to maintain maximum machine performance. This allows your machine to be covered to maximise uptime and profitability throughout its operating life.

"For complete peace of mind and cost predictability choose JCB Assetcare."

JCB Assetcare offers you the following options, which can be tailor-made to meet your specific requirements including excellence as standard:

For complete peace of mind and total budget predictability, your JCB dealer can offer **a Full Repair and Maintenance package**, with a fixed monthly sum covering all regular maintenance and necessary repairs including **Flexicare** for excavators and wheeled loading shovels, to give a pay by the hour alternative.

A **JCB Service Agreement** allows you to plan and manage your maintenance budget over a period of hours, or years of machine use, as determined by you. The price is maintained for the duration of the agreement and includes all parts, lubricants, labour and travel to maximise your machine performance.

JCB Sure Price Service (pay as you go) includes all genuine JCB lubricants, filters, greases and other parts and is carried out as you require it. The all-inclusive price also covers labour, 100 point check and any travel. Service intervals are hours based (usually every 500 hours) and no prior agreement is required; simply advise your dealer when the machine reaches the recommended service interval for great value for money.

JCB Machinery Protection Plan protects you against any unexpected failure for up to 2, 3, 4 or 5 years or up to 10,000 hours depending on machine type. You can take up a Machinery Protection Plan at any time during the first three months of ownership, and the package is transferable on the initial machine sale. Coverage options are 500, 1000, 1500 or 2000 hours per year (model dependent).

JCB Driveline Protection Plan – sign up to a Service Agreement on backhoe or Loadall mechanical transmission machines and get FREE Driveline Protection for every 1,000 hours you commit to (covers engine, transmission and axle).

For the full terms and conditions of the above programmes please speak to your local dealer.

A few words about JCB

A groundbreaking, world class family business with a commitment to supporting our customers and protecting the environment

CARBON TRUST STANDARD

REDUCING CO2 YEAR ON YEAR

A family company on a global scale. JCB is no ordinary company. From the dreams of one man, Joseph Cyril Bamford, we have grown into the world's largest privately owned construction equipment company. Since 1945, the same attention to detail, passion for progress and family spirit has taken us from strength to strength.

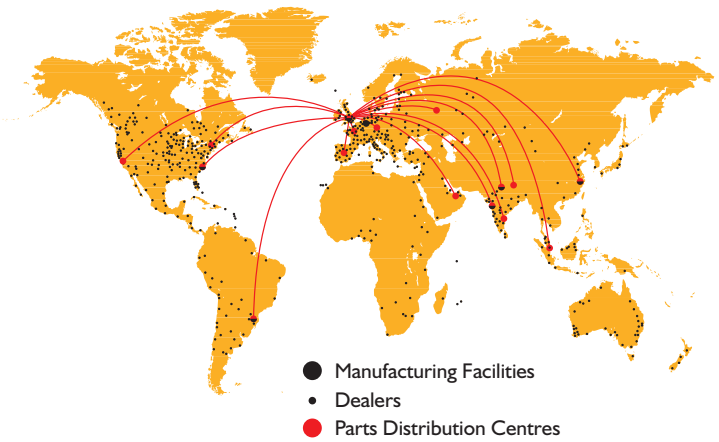
Nowadays JCB operates across six continents, manufacturing at 18 factories in the UK, Brazil, Germany, China, North America and India. With 1,500 dealer depots selling and supporting our products in over 150 countries, we are the global market leader for backhoe loaders and telescopic handlers.

A history of world-class innovation. Our business has always been driven by innovation, using only the most advanced technology, meticulous design, precision engineering and rigorous testing. Evidence of this commitment to innovation is illustrated in our revolutionary JCB DIESELMAX engine. Having grabbed the headlines when it smashed the world diesel land speed record at 350.092mph, it is now providing our customers with tomorrow's performance today.

Doing things more efficiently, more sustainably. Since 2007 we have reduced our carbon emissions by 20%. We are continually working to further reduce the carbon footprint of our operations and, in partnership with our suppliers, our whole supply chain. We are also committed to designing our products to be sustainable during manufacturing, over the life of the machine and through end-of-life recycling. Our new ECO machines, for example, offer significant fuel and carbon savings; an average of 16% on the ECOs, ECO skid steers and ECO compact track loaders, and 22% on the 8085 ECO.

The best back-up in the business

Whether we're providing you with support, parts or finance, we aim for 100% satisfaction. It's all part of our promise to put you, the customer, first



Wherever you are, we are. Our mission to provide world-class support and deliver 100% satisfaction reaches into more than 1,500 dealer depots, spanning 150 countries across six continents. The aim? To bring you global expertise at a local level. We truly believe no other manufacturer does more to understand the subtle differences between one region of the world and another. It's a degree of attention that we maintain at every level of the company and an assurance to our customers that wherever they are in the world, JCB will fulfil their needs.

Trust the genuine article. At the heart of the support network is our impressive World Parts Centre, a state-of-the-art facility operating 24/7 to dispatch more than a million genuine parts and attachments every week to our dealers and international distribution centres. Because we understand the need to minimise downtime, we utilise the latest logistics and warehouse management systems and have committed to an 'Anywhere in 24 hours' strategy.

Keeping you up and running. Just as important as genuine JCB parts are the people who fit and maintain them. Our JCB-trained technicians in all of those 1,500-plus dealer depots provide excellent, expert customer care, whether it's routine servicing or something more urgent. If there is an emergency breakdown situation, we need to act fast. This is why all our dealers operate their own fleets of support vehicles, enabling parts to be delivered quickly and fitted expertly, and fulfilling our promise to keep our customers working.

Maximising earning potential. We grow as our customers grow. That's why, at JCB, we are committed to offering expert financial advice and support to help customers maximise their earning potential.

Finance options* are available for new and used machinery, all part of our dedication to helping customers preserve their working capital while spreading costs in the most effective and tax-efficient way.

And as well as financial help, we are also happy to offer JCB Insurance.* We specialise in construction and industrial insurance and in offering Insurance Premium Finance facilities.

** Please check individual countries for available services.*

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JCB Vibromax GmbH
Schäferberg 1
06466 Gatersleben, Germany
Tel: +49 (0) 39482 -700
Fax: +49 (0) 39482 -70102

JCB Sales Limited
Rocester, Staffordshire,
United Kingdom ST14 5JP.
Tel: +44 (0)1889 590312
Fax: +44 (0)1889 590588

www.jcbvibromax.de

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