



COMPACTION | 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.





# VMR 60/VMR 75 RAPID BLOW RAMMERS.

## 1. Long-lasting

For durability, there's an oil bath to lubricate all moving and rotating parts, an engine protection bar and a special shock absorbing damping plate.

## 2. Safety is paramount

Both models feature added operator protection in the form of a guide bar-mounted emergency switch.

## 3. Power and performance

The VMR 60 is powered by a 4-stroke 2.5 kW Honda engine, generating a tamping force of 14 kN, whilst the VMR 75 features a 4-stroke 2.6 kW Robin engine that generates a tamping force of 16 kN.

## 4. Comfortably in control

The VMR 60 and VMR 75 generate a horizontal force, to make movement easier.



## 5. Safety and security

Top mounted air cleaner and transport device for added machine safety, as well as optional transport wheels.

## 6. Strong and sturdy

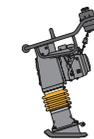
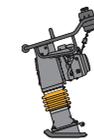
A four-column guide makes for stable functioning, high reliability and clinical results.



Low-maintenance design for long working hours and increased productivity.



Two popular sizes to match most applications.



		VMR60	VMR75
Engine		Honda GX100	Robin EH I2-2
Performance DIN 6271	kW (hp)	2.5 (3.4)	2.6 (3.5)
Operating weight (CECE)	kg	60	73
Working width	mm	280	280
Blows/minute		740	660
Tamping force	kN	14	16

# FP 1030W/I540W/I550W FORWARD VIBRATORY PLATE COMPACTORS.

## 1. Designed for ease of use

Built with low hand arm vibration levels for improved operator comfort and high productivity.

## 2. In control

Specifically designed for easy, effective compaction of asphalt, soil and other less cohesive materials.

## 3. Exceptional features

Wear-resistant high-grade cast tamping plate for optimum durability.

## 4. Getting around

Folding handle, optional transport wheels, water sprinkler system and rubber paving stone pads.

## 5. Working together

Oil bath lubrication system to protect the vibration bearings, plus, shock mounts for the engine and a roll cage that also acts as a lifting bail.

## 6. Power

Featuring a powerful Honda engine and between 10 and 15 kN centrifugal force (model dependent).





Designed for fast travel and ultimate productivity.



Low vibration levels for improved operator comfort.



	FP1030W	FP1540W	FP1550W
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	62 - 75	91 - 110	100 - 119
Working width mm	300 x 344.8	400 x 394.8	500 x 394.8
Centrifugal force kN	10	15	15

# VMP 8/14/18/24 REVERSIBLE VIBRATORY PLATE COMPACTORS.

## 1. Strength and durability

All of the VMP models feature high compaction output and surface performance for completing even the toughest jobs.

## 2. Agile performance

Carry out compaction tasks in confined areas where turning would be difficult for a non-reversing unit.

## 3. Comfort

Specifically balanced and isolated guide bars protect hands and arms from excessive vibrations for increased operator comfort.

## 4. Versatility

All models are hydrostatically operated and designed to effectively compact granular and cohesive material.

## 5. Long-lasting

Wear-resistant, high-grade cast damping plate and lifetime lubricated vibrator bearings.

## 6. Built-in protection

Roll cage protects the unit and acts as a lifting bail.





Features both reversing and stationary features.

Durable and easy-to-use.



		VMP8	VMP14	VMP18	VMP24
Engine		Honda GX120	Hatz I B20 / Lombardini 15LD 22	Hatz I B20 / Lombardini 15LD 22	Hatz I 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	80	135	177	235
Working width	mm	325 x 583	425 x 650	450 x 720	500 x 720
Frequency	Hz	100	80	75	75
Centrifugal force	kN	16	25	30	38
Starter		Recoil	Recoil	Recoil	Recoil

# SD580 SINGLE DRUM ROLLER.



## 1. Safety first

Deadman controls and height adjustable handle.



## 2. Getting around

A small compact 580mm petrol roller with a trailer option for fast efficient transportation.



## 3. Effective operation

Bevelled drum edge to remove the risk of marking the surface.



## 4. Ease of use

Large 15 litre removable water tank with wide filling point.



## 5. Improved productivity

Sprinkler control fitted to the top of the roller.



## 6. Low maintenance

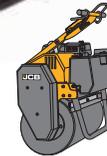
Self-cleaning strips fitted to prevent build-up of dirt.



Ideal for smaller asphalt work and ground care duties.



Trailer option for quick and efficient transportation.



		SD580
Engine		Honda GX160
Performance DIN 721	kW (hp)	2.9 (3.9)
Operating weight	kg	185
Frequency	Hz	76
Drum width	mm	580
Centrifugal force	kN	10

# VMI500 F/M TRENCH ROLLER.

## 1. Safety first

Automatic engine shut down if the machine tips over and a safety control bar to protect the operator.

## 2. Built for efficiency

The VMI 500 F/M is the best performer of its type in the industry, and as you would expect, is designed for maximum productivity on a variety of different soils.

## 3. Safe and secure

The lockable wide open hood provides excellent access for both service and maintenance work.

## 4. Options

Optional 630mm or 850mm wide padfoot drums, anti-vandal kit and external battery charger 230V. Manual and remote controlled models available.



## 5. Excellent manoeuvrability

Hydrostatic propulsion on all 4 drum segments for optimised traction and steering in confined areas or on severe soil conditions.

## 6. Best in class

There's hydrostatic braking, a quiet 16.8kW engine, dual scrapers on each drum, an electric start and an engine pre-heater.



Standard integrated central lifting eye for quick and safe lifting during transport or whilst working in trenches.



		VM1500M	VM1500F
Engine		Kubota	Kubota
Performance DIN 6271	kW (hp)	16.8 (22.8)	16.8 (22.8)
Operating weight (CECE)	kg	1500 - 1590	1500 - 1590
Operating width	mm	630 - 850	630 - 850
Frequency	Hz	31	31
Amplitude	mm	2.4	2.4
Centrifugal force	kN	84	84

Manual and remote controlled models available.

# VMD70/VMD100 DOUBLE DRUM VIBRATORY ROLLERS.

## 1. When you're in a tight spot

The JCB VMD70 and VMD100 are incredibly versatile machines, making them perfect for compaction tasks in even the smallest spaces.

## 2. Safety is paramount

Low noise levels are easier on both the operator and environment. The improved crush-zone cut-out switch is easily accessible.

## 3. Productivity maximised

Both models are fully hydrostatic for excellent traction and reliability, offering the very best kerb clearance on the market.

## 4. Ease of use

A vibration-isolated, ergonomic, tiltable guide bar makes lighter work of operating the machine.

## 5. Built for efficiency

The combination of static weight, manoeuvrability, amplitude and high frequency make the VMD70 and VMD100 clear market leaders when it comes to productivity.

## 6. Maintenance costs

A combination of a simple, clever design and JCB's build quality keeps maintenance costs down. Service access is improved over previous machines too, helping you to stay up and running for longer.



Best in class kerb clearance.



Available as manual or electric start.



Engine and water tank counterbalance each other for perfect 50/50 weight distribution.



		VMD70	VMD100
Engine		Hatz 1B40	Hatz 1B40
Performance DIN 6271	kW (hp)	6.6 (9.0)	6.6 (9.0)
Operating weight (CECE)	kg	740	920
Operating width	mm	710	840
Frequency	Hz	60	60
Amplitude	mm	0.49	0.51
Centrifugal force	kN	21.9	27.1

# VMT160/VMT260 VIBRATORY TANDEM ROLLERS.

## 1. Complete compaction

Thanks to excellent manoeuvrability and a compact design, these rollers are also ideal for a wide range of workplaces, including yards, access roads, residential streets, car parks, roads, airports and more.

## 2. Quality at its best

Robust and strong, articulated heavy-duty maintenance free centre joint.

## 3. Designed for reliability

Featuring 2 solid brass spray bars on each drum and changeable nozzles with excellent service access. Pressurised water system.

## 4. Setting new standards

The VMT160/VMT260 feature new, ergonomic seating and user-friendly controls that are conveniently positioned on a low vibration stand.

## 5. Less servicing, more service

We've designed the VMT160 and VMT260 to be easily serviceable with 100% access to all components under lightweight hood, electrics in steering column.

## 6. Built for efficiency

The VMT160 and VMT260 come equipped with concentric machined drum surfaces, a pressurised filtered water spray system, the largest fuel tanks in the industry, and automatic vibration control with manual override.



Routine checks are easily accessible.



Unique driver stand isolation protects against vibration through optimised rubber mounting system.



Superb stability for increased operator safety.



		VMT160*	VMT260
Engine		Kubota	Kohler
Performance DIN 6271	kW (hp)	16.8 (22.5)	28 (38)
Operating weight (CECE)	kg	1840 - 1980	2670 - 2940
Operating width	mm	800 / 900 / 1000	1000 / 1200
Frequency	Hz	50 / 66	50 / 66
Amplitude	mm	0.5	0.5
Centrifugal force	kN	9.2 / 18	26 / 45

\* VMT160-80 and VMT160-90 are available as a Total Side Clearance variant.

# VMT380/VMT430 VIBRATORY TANDEM ROLLERS.

## 1. Trouble-free tarmac work

Our triple filter water system means trouble-free efficient water supply for maximum uptime. There's a prefilter in the water tank, an inline filter and an easy clean nozzle filter.

## 2. Productivity maximised

Gradeability of the VMT380 and VMT430 machines is a class-leading 42% for great versatility. We've achieved this via a high performing 4 cylinder diesel engine, high torque hydraulic components and optimised weight distribution.

## 3. Grease-free machines

The centre joint bearing is Teflon-coated and therefore sealed for grease-free zero-maintenance use.

## 4. Comfortably better, visibly better

We've equipped the VMT380 and VMT430 with a tapered front frame and low bonnet profile, providing excellent visibility to the front drum edges.

## 5. Built for efficiency

Our class-leading 63 kN vibrator performance makes for superb productivity.

## 6. Safety guaranteed

The optional flip over vandal cover protects the dashboard and controls from damage and unauthorised access.





A stiff front bonnet recessed and protected by a steel bull bar gives maximum impact protection.



Daily checks are easy and access is superb via a wide opening front bonnet.



A tight turning circle makes for excellent manoeuvrability on confined sites.



		VMT380	VMT430
Engine		Kohler	Kohler
Performance DIN 6271	kW (hp)	33.6 (45.7)	33.6 (45.7)
Operating weight (CECE)	kg	3750 - 3850	4200 - 4300
Operating width	mm	1300 / 1400	1300 / 1400
Frequency	Hz	50 / 59 / 66	50 / 59 / 66
Amplitude	mm	0.44	0.44
Centrifugal force	kN	59 / 63	59 / 63

# VM117/VM137 SINGLE DRUM SOIL COMPACTORS.

## 1. EcoMAX efficiency

Equipped with an innovative EcoMAX engine, providing reduced life cycle costs and fuel consumption without the need for a DPF.

## 2. Complete compaction

Class-leading 60% gradeability ensures great versatility and productivity anywhere in the world.

## 3. LiveLink Telematics

LiveLink allows you to access everything from machine alerts to fuel reports and history information and more remotely - online, by email or mobile phone.

## 4. Visible benefits

Pillar-less front cab design and sloping rear bonnet for superb all-round visibility.

## 5. Saving time and money

Both models boast quick travel times (up to 11 km/h) around site, which also speeds up preparation for the next compaction pass.

## 6. The safe choice

The VM117 and VM137 are designed so that all daily checks can be done from ground level on one side. The wide opening rear bonnet gives fast access to the engine compartment.



To extend service intervals both models feature a cyclonic air cleaner to reduce debris build-up in the air filter. An air intake scavenge system removes the debris.



ROPS/FOPS options available.



Intuitive, easy-to-use and ergonomic controls and easy to adjust tilting steering column.



		VM117 D/PD	VM137 D/PD
Engine		JCB EcoMAX T4i	JCB EcoMAX T4i
Performance DIN 6271	kW (hp)	93 (125)	108 (145)
Operating weight (CECE)	kg	11300	12550
Operating width	mm	2100	2100
Frequency	Hz	33 / 36	31 / 36
Amplitude	mm	1.83 / 0.75	1.98 / 0.9
Centrifugal force	kN	256 / 125	282 / 173

## 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

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.

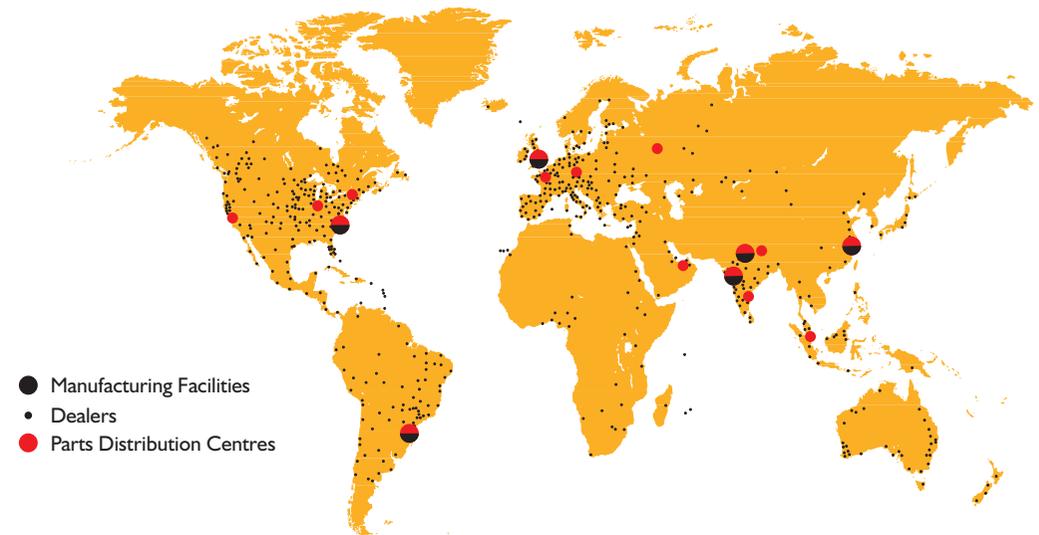


2

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.



3



## 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.

\* LiveLink is only available on the VM117/VM137 single drum rollers.



### 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.





**ONE COMPANY, OVER 300 MACHINES.**

Your nearest JCB dealer

### COMPACTION RANGE

JCB Sales Limited, Rokester, Staffordshire, United Kingdom ST14 5JP.  
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