

Concrete consolidation



**WACKER
NEUSON**
all it takes!



Wacker Neuson delivers stronger, more durable concrete with a superior finish.

1. Choose outstanding concrete technology.

Wacker Neuson brings you a range of high quality equipment and world-class support through our extensive network of dealers. What's more, all of our products are backed by highly competitive, industry leading warranties.

2. Receive professional support.

In addition to our broad portfolio of concrete consolidation products, we offer access to internal consultation services for unique and demanding concrete projects, from planning to on-site implementation.

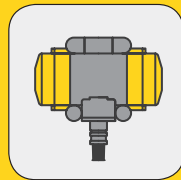
3. Benefit from global project experience.

Our concrete consolidation products excel every day, making light work of the toughest jobs in numerous projects the world over. We maintain close ties with our customers to ensure we can continually develop our products. So, you can be sure that you'll always have the ideal equipment for every job.



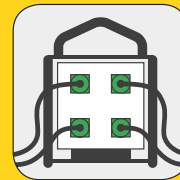
Internal vibrators

are the most common pieces of equipment used for consolidating thick concrete slabs, walls and columns.



External vibrators

are ideal for poured in place applications, as well as with formwork for light to heavy pre-cast concrete elements.



Frequency converters

ensure the right power supply at all times – available as mobile units.

Our concrete technology products at a glance.

Internal vibrators:



HMS

> Page 07



BV50A-H

> Page 07



IEC

> Page 08



IRFU

> Page 09

External vibrators (selected products):



IRFUflex

> Page 09



ARFU26

> Page 10



AR26

Frequency converter:



FUE6/042/200

> Page 10

Concrete expertise in every detail.



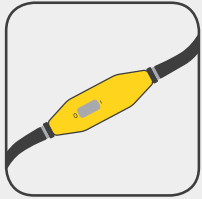
Modular vibrator heads

Adapt your internal vibrator to the job at hand easily and cost effectively.



Over 80 years of experience

In 1937, Wacker invented the world's first internal vibrator. Since then, we have continued to innovate, offering you the benefits of in-depth concrete knowledge and expertise.



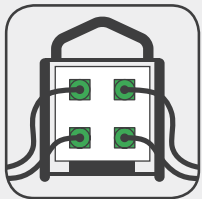
Integrated converter

Our high-cycle models are self-contained devices, that are operated from a 120V power source.



Concrete solutions

Known as the concrete specialist, Wacker Neuson and our dealer network provide a technical and operational resource for all areas of concrete consolidation.



External converter

Ideal for exterior consolidation projects with external vibrators. External converters provide the flexibility to operate multiple devices.

With Wacker Neuson, all you need is the concrete.

Visit our concrete industry page online at:

www.wackerneuson.com



Wacker Neuson – all it takes!

Our products and services are designed to meet the highest requirements across the most diverse range of applications. Wacker Neuson is synonymous with reliability and that commitment extends to concrete technology. Backed by our extensive network of dealers, we provide everything you need to maximize your time and profitability.

Wacker Neuson concrete expertise – renowned the world over.

You'd be amazed at how many concrete structures around the world have been built with the help of Wacker Neuson products and know-how. Our technology has played a key role in numerous high-profile projects, including the 22 mile-long Hong Kong-Zhuhai Bridge, the expansion of the Panama Canal, the Hoover Dam Bypass bridge connecting Nevada and Arizona, and the majestic Burj Khalifa skyscraper in Dubai.

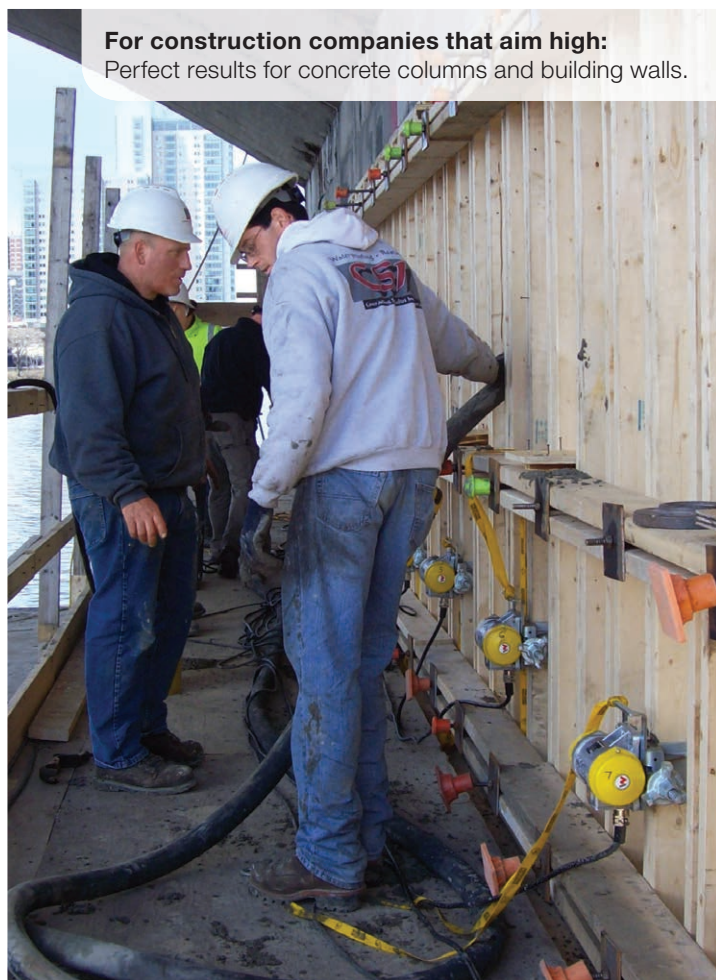
If you have big plans, we can support you in all phases of your project – whether you're a supplier or contractor. Our machines and knowledgeable field experts handle all areas of the industry from road and bridge construction through highly specialized construction projects like tunnels, dams and locks.



You can find out more about Wacker Neuson's concrete experts at:
www.wackerneuson.com



Making difficult work easier: Wacker Neuson's external vibration system makes it easier to consolidate in confined areas and around obstacles.



For construction companies that aim high: Perfect results for concrete columns and building walls.

Internal vibrators: offering the right machine for every job.

Powerful internal vibrators are vital for reducing entrapped air in concrete. Wacker Neuson equipment delivers the best results every time. Equipped with engines that have been specifically designed for use as concrete is placed or cast, these durable machines are extremely reliable and safe to use at every step in the consolidation process. Simply select the convenience and flexibility you need from our full range.

Functionality & ease of use

Basic



The Basic line:
Simple design and easy to handle

- Individual configurations with interchangeable flexible shafts and vibrator heads, as well as engines in various performance classes
- Induction hardened vibrator heads are extremely resistant to wear and tear
- Quick-action coupling simplifies setup and use
- Universal motor concept with external drive system

Advanced



The Advanced line:
Ideal for all standard applications

- Dependable quality and excellent value for money
- High-frequency technology for outstanding concrete consolidation results
- Available as IEC with an integrated converter

Premium



The Premium line:
All-round convenience and maximum flexibility

- Robust components built to the highest quality levels provide long service life
- Long service life thanks to robust components built to the highest quality levels
- Two models available: The IRFU with integrated converter and the IRFUflex modular system
- High-frequency technology for outstanding results



Operator comfort:
Portable gasoline vibrators with an integrated backpack provide high impact, high frequency concrete vibration.

Typical applications.

HMS	<ul style="list-style-type: none"> • Standard equipment for residential and commercial projects • Building elements such as foundations, ceilings, walls and columns
IRFU	<ul style="list-style-type: none"> • Flexible deployment with integrated frequency converter – can be simply connected to a regular single-phase AC power outlet (120V) • Great on large construction sites with tall walls and columns because of the high cycle performance and consistency

Vibrator heads: The perfect solution to your consolidation needs.

Wacker Neuson's flex-shaft vibrator system offers a variety of motor and shaft combinations with the widest head range to choose from for cost effective concrete consolidation. The M1500 (2.0 hp) and M2500 (2.5 hp) motors are lightweight, extremely durable and the quick disconnect makes flex shaft exchange easy. With a solid reputation for reliable products and service, Wacker Neuson is the brand to you can trust and your partner for the long run.



SS Adaptor: Easily connect two shafts together.



Oztec Shaft Adaptor: Allows you to connect any Oztec shaft to fit the Wacker Neuson M-motors.



Find out more about all Wacker Neuson internal vibrators at:
www.wackerneuson.com/internal-vibrators



Round heads are primarily used for walls. The long shaft can be inserted deeper into the concrete allowing vibrations to penetrate downwards more effectively.



Hybrid heads provide optimum concrete consolidation at high amplitude by combining the surface area of a square head with the uniform vibration dispersion of a round head.



Short heads are the perfect choice for shallow concrete elements such as suspended ceilings. The shaft does not extend as far into the concrete and the vibrations are dispersed across the surface.



Rubber-coated heads emit more uniform shock waves across the entire length of the shaft. This increases the vibrator's effective radius and results in denser concrete. Ideal for epoxy coated rebar, viscous concrete and cosmetic surfaces.

The Advanced line.

Advanced

A sophisticated concept in a highly durable design: Wacker Neuson's IEC models offer reliable concrete consolidation performance.

- High-frequency technology for consistent concrete consolidation
- Dependable quality with a good cost/benefit ratio
- Durable and low-wear vibrators, additionally tempered in the bottom third
- Sturdy polyurethane power cable



The models of the IEC series have a fault current protective switch in the converter housing.



Sturdy high-frequency internal vibrator for optimum results, with an attractive cost/benefit ratio.

IEC

Vibrator head sizes:
Available in three different sizes.

Vibrator head length (in)	15	15,8
Vibrator head diameter (in)	1,8	2,2
Protective hose length (ft)	10	26

You can find additional details about all internal vibrator systems at: www.wackerneuson.com/internal-vibrators

What our customers say.

"Wacker Neuson offers a tailor made concrete consolidation training in their training center. Even a seasoned professional can learn something. The coaches are absolute experts who exactly know under what tough conditions we work every day. Now we can use our equipment even better and save a lot of time and money."

Chuck Fiala, Senior Project Manager, Baker Concrete Construction Inc.



More comfort while working: The shoulder strap makes the internal vibrator even more comfortable to use.

The Premium line.

Our Premium internal vibrators offer maximum productivity, flexibility and safety for every vibration application. They are also extremely robust and long lasting, making them a great investment from every angle.

IRFU internal vibrator.

Integrated frequency converters in the IRFU series of internal vibrators offer high-cycle performance without the need for a high-cycle generator.

- Fault-free operation, even when used with generators and fluctuating input voltages
- Maintenance-free converter thanks to encapsulated electronics



IRFU



IRFUflex

Vibrator head sizes:

Up to five models to choose from:

Length of vibrator head (in)	13.8	13.6	15	15.8	19.3
Diameter of vibrator head (in)	1.2	1.4	1.8	2.2	2.6
Protective hose length (ft)	10	16	26	33	50

All IRFU with Bodyguard®:

- Connects easily to any power source
- Optimum user protection: Interrupts the power supply within three milliseconds if required
- Highly convenient: The Bodyguard® system can continue to be used when replacing the cable

Modular internal vibrator system IRFUflex.

The IRFUflex series offers maximum flexibility, as well as reduced costs. The vibrator head can be easily switched out in a few simple steps. A hassle-free coupling on this modular system makes this possible.

- Interchangeable parts reduce acquisition and maintenance costs
- The vibrator head can be quickly screwed on and off at the coupling point
- Vibrator head options include with and without rubber nose cap

The flexible, modular series for optimal consolidation:

The converter can be combined with four different vibrator heads, ranging from 1.2–2.5 in diameter, in any hose lengths up to 50 ft.



External vibrators – optimum performance for superior concrete surfaces.

Wacker Neuson has the right, powerful external vibrator for every challenge – from poured in place formwork to light to heavy pre-cast concrete components. We have the concrete equipment and expertise to help you achieve the best results, no matter what the situation. Our understanding of proper sizing, power supply and control technology ensures you have the support you need, from assembly to start-up.

Ideal for exposed concrete surfaces where aesthetics matter – these lightweight models are particularly well-suited for poured in place concrete.



ARFU26



AR26

Perfect for more precise, localized applications: The ARFU26 has a 120V integrated converter that connects easily to available job site power sources.



Mobile frequency converter: the right power for your project.

To operate external vibrators, you need AC power at the right voltage and frequency. Our electronic mobile FUE6/042/200 reliably converts main power and allows variable speed for easy customization of the vibration frequency on formwork. You can run four motors at the same time at variable frequency.

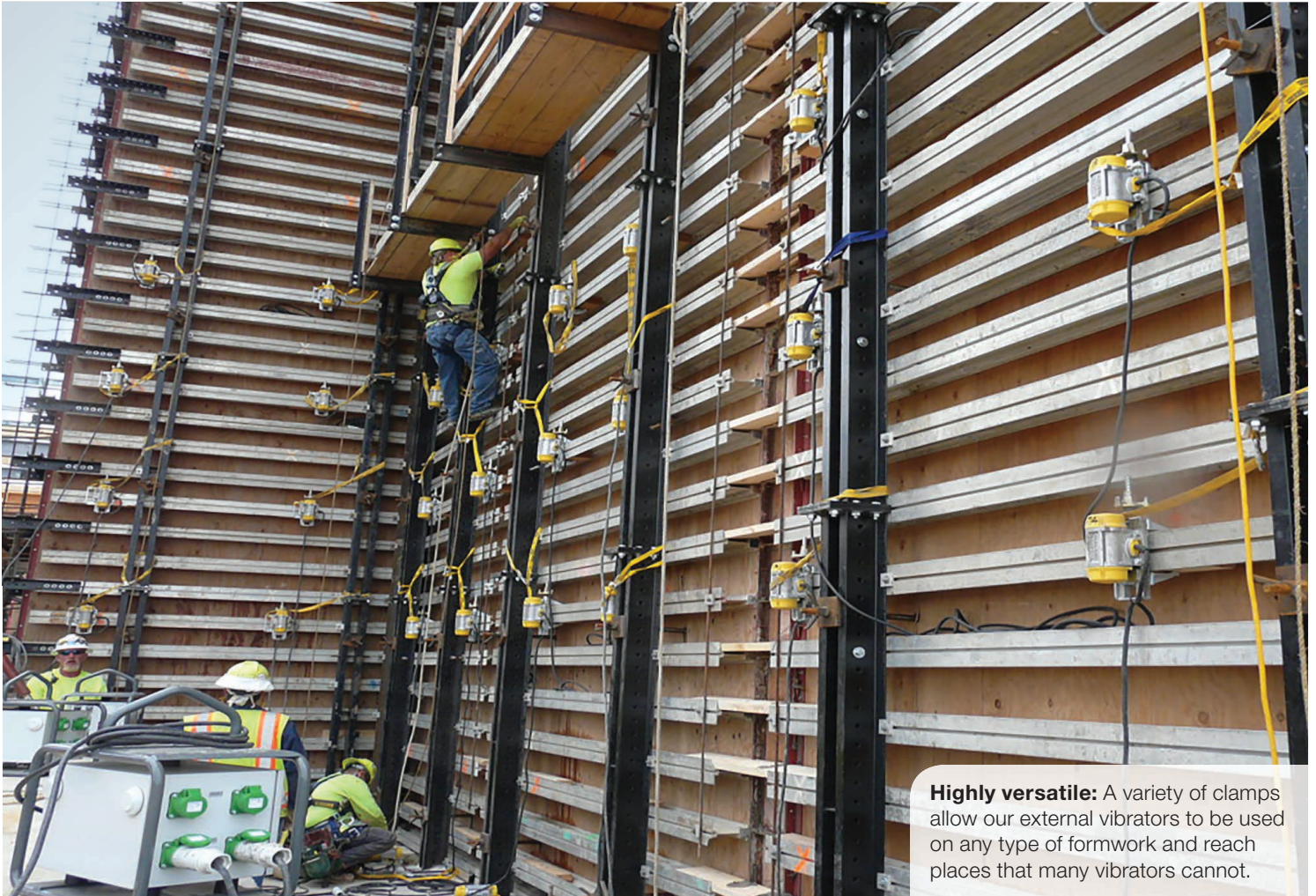


FUE6/042/200

Compact design with high-quality electronics. Our frequency converter delivers outstanding performance during continuous operation.

All it takes for the professional concrete contractor.

Whatever project you're working on, there's a Wacker Neuson machine that can help you work faster, more easily and more efficiently. We also complement our offering with a variety of accessories, and your Wacker Neuson dealer is always on hand to help, ensuring you get the right equipment for your needs.



Highly versatile: A variety of clamps allow our external vibrators to be used on any type of formwork and reach places that many vibrators cannot.

What our customers say.

"On a construction site everything has to run like a clockwork. You do not only have to rely on your workers, but also on your equipment. That's why we only use external vibrators from Wacker Neuson. They are extremely sturdy, easy to assemble and never cause problems. And above all, the result is always absolutely perfect."

Tim Diamond, General Superintendent, Garney Construction

Find out more about all Wacker Neuson external vibrator systems at:
www.wackerneuson.com/external-vibrators

Long-lasting external vibrators with a high-speed motor for wood and steel frame formwork.



Flexible clamps for poured in place concrete applications.

Wacker Neuson offers a wide range of clamps for the AR26, for easy attachment to all conventional formwork.



Consolidating mass concrete in formwork.

Typical applications.

AR26

- Exposed concrete requiring the highest quality finishes
- Building elements such as walls, supports, columns and decorative construction components



ARFU26

- Exposed concrete e.g., walls, supports and columns
- Flexible deployment with integrated frequency converter – connects quickly to a regular single-phase AC power outlet



Rapid set-up, efficient operation, perfect results: external vibrators are easy to set up and operate.



Whatever your architect comes up with, external vibrators from **Wacker Neuson** deliver.



Technical data

		H25	H25S	H25HA	H35	H35S	H35HA	H45	H45S	H45HA	H50HA	H65	
VIBRATOR HEADS	SPECIFICATION	» Basic «											
	Diameter	in	1	1	1	1.4	1.4	1.4	1.8	1.8	1.8	2	2.6
	Length	in	17.3	11.6	15	16.1	12.2	15.9	15.2	12	15.4	15.6	15.2
	Weight	lb	2.9	1.8	2.9	4.6	3.5	5.1	7.4	6.2	7.3	8.5	13.7
FLEXIBLE SHAFTS			SM1-E	SM2-E	SM3-E	SM4-E	SM5-E	SM7-E	SMO-S				
	SPECIFICATION	» Basic «											
	Length	in	39.4	78.7	118.2	157.5	197	275.8	19.7				
	Weight	lb	3.3	5.5	7.5	9.5	11	15.4	2.9				
FLEXIBLE SHAFTS			SM1-S	SM2-S	SM3-S	SM4-S	SM5-S	SM7-S	SM9-S				
	SPECIFICATION	» Basic «											
	Length	in	39.4	78.7	118.1	157.5	196.8	275.6	354.3				
	Weight	lb	6	9.5	13	15.7	20.6	28.4	33.3				
DRIVE SYSTEMS			M1500	M2500	A5000/160								
	SPECIFICATION	» Basic «											
	Drive system		Double-insulated universal motor				Double-insulated universal motor			Air-cooled, single-cylinder, four-cycle, Honda gasoline engine			
	Voltage 1~	V	120				120			-			
	Current	A	12.5				15			-			
	Power (hp)	kW	2.0				2.5			4			
Weight	lb	10.9				11.9			52.25				

BV50A-H**		
SPECIFICATION	UNIT	
Length x width x height	in	23 x 19 x 23
Weight w/o shaft & head	lb	29
Shaft	ft	10, 13, 16.5
Head diameter	in	1-3/8, 1-3/4, 2
Frequency (no load)	vpm	12,000
Engine type		4-cycle, overhead valve, single-cylinder, air-cooled, gasoline Honda GXH 50
Starter		Recoil
Operating speed	rpm	variable
Fuel tank capacity	qt	0.8
Fuel consumption	qt/h	0.9

** BV50A-H heads and shafts sold separately

		IRFU30	IRFU38	IRFU45	IRFU58	IRFU60HR	IRFU65
		with integrated converter					
SPECIFICATION	» Premium «						
Vibrator head diameter	in	1.2	1.4	1.8	2.2	2.6	2.6
Effective consolidation diameter*	in	15.8	19.7	23.6	33.5	33.5	39.4
Voltage ~1	V	120	120	120	120	120	120
Current	A	4.4	7	9.6	12	14	15
Frequency	Hz	50-60	50-60	50-60	50-60	50-60	50-60
Protective Hose/ Power Cable	ft	16.4/49.2	16.4/49.2	16.4/49.2	16.4-26.2-32.8/ 49.2	16.4-26.25/ 49.2	16.4-26.25-32.81/ 49.2

INTERNAL VIBRATORS

IEC45

IEC58

SPECIFICATION		UNIT	>> Advanced <<	
Vibrator head diameter	in		1.8	2.2
Effective consolidation diameter*	in		23.6	33.5
Voltage ~1	V		120	120
Current	A		8	8
Frequency	Hz		50-60	50-60
Protective Hose/Power Cable	ft		10-26.2/49.2	10-26.2/49.2

* This is non-binding information, based on the practical experience of our clients under certain operating conditions. Please note that under specific operating conditions these findings may vary. We recommend that you always perform a test pouring under the operating conditions.

FUFLEX

FUFlex4/120

SPECIFICATION	UNIT	
Voltage	V	120
Current	AMP	12
Frequency	Hz	50-60
Power Cable	ft	49.2

IRFLEX

IRFlex38 IRFlex45 IRFlex57 IRFlex60HR

SPECIFICATION		UNIT				
Vibrator head diameter	in		1.4	1.8	2.2	2.6
Effective Consolidation Diameter*	in		19.7	23.6	33.5	33.5
Protective Hose/Power Cable	ft		9.8-16.4	16.4	16.4/26.2/ 32.8/49.2	16.4/32.8
Head length	in		13.6	15	15.8	15.8

EXTERNAL VIBRATORS

AR26/6/042

ARFU26/6/120

SPECIFICATION		UNIT	>> 2 Series <<	
Vibrations	rpm		6,000	6,000
Max. centrifugal force	lbf		780	780
Rated voltage	V		42, 3~	110
Rated current	A		8.0	12
Weight	lb		16.53	24.7
Fastening	mm		90x125	90x125

FREQUENCY CONVERTERS

FUE6 42/200W

SPECIFICATION	UNIT	
Weight	lb	67.2
Input/output voltage	V	220, 1~/42, 3~
Input/output frequency	Hz	200
Input/output current	A	22/50
Power cable	ft	32.8
Receptacles	units	4

The Wacker Neuson product range includes over 300 different product series with different variants. The product data may vary accordingly with the selection of different options. Not all Wacker Neuson products listed or shown here are however available or allowed in all countries. The Wacker Neuson products shown are examples and as such are subject to changes. We are happy to make you a specific offer upon request!

Reproduction only with the written approval of Wacker Neuson.

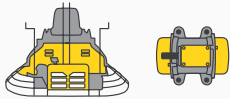
© Wacker Neuson SE

All rights reserved.

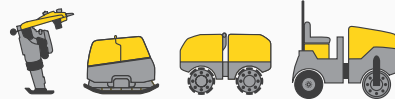
Each day on the job poses a unique set of challenges. Wacker Neuson has the right solutions to help you stay ahead of the competition and maximize your business opportunities. We are your total resource in concrete consolidation:

Wacker Neuson—all it takes!

Products



Concrete technology



Compaction



Excavators



Wheel loaders



Telehandlers



Skid Steer Loaders



Dumpers



Generators



Lighting



Pumps



Heaters



Used equipment

Services



Warranty Program

We warranty our equipment with an understanding of your demanding conditions. Ask your dealer about our extended service protection plans. Valid in the USA and Canada.



Flexible Financing

We offer financing programs that help you get the most machine for your money. This includes low down payments, zero percent options, and cash-back promotions.



Wacker Neuson University

From industry-focused operation schools to machine maintenance, our sales and service training professionals meet the needs of contractors, mechanics and dealer salespeople.



Telematics

On-board telematics allow you to locate, evaluate and maintain your equipment at all times, helping increase uptime and providing new ways to utilize your fleet more efficiently.



The concrete specialists

Benefit from the knowledge of our industry experience. We are happy to provide you with advice in all project stages.

Spare parts



Spare Parts

Typically shipped within 24 hours of your order genuine spare parts are available via our U.S. distribution center, delivering the support you need, when and where you need it.

www.wackerneuson.com