Our solutions for the concrete processing industry.
Concrete solutions by Wacker Neuson: additional expertise for you.

Wacker Neuson’s expertise in the concrete processing industry is unique among all its competitors. By combining our worldwide sales and service network, leading concrete products and a focused team of specialists, we are able to support concrete projects comprehensively and in all phases. It’s exactly with this added expertise that we will make your project successful too.

Your Wacker Neuson benefits:

• Quickly and easily find Wacker Neuson near you: mobile.wackerneuson.com
• Professional service and fast availability of spare parts for minimal downtime
• Leading concrete technology + comprehensive consulting services
• High quality + maximum profitability
• Worldwide sales organization + on-site project support
• Ongoing product development + more intensive knowledge sharing
**Optimal concrete consolidation:**
with powerful internal vibrators for every need.

Powerful internal vibrators are indispensable in consolidation. The Wacker Neuson equipment provide the best work results here: with drives specially developed for application in fresh concrete, the durable and sturdy equipment compact extremely reliably and offer a high level of safety during any step of the work.

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**Functionality & operating comfort**

**Basic**

- Individually adjustable flexible shafts, vibrator heads and drives in various performance classes
- High wear resistance due to induction hardened vibrator head
- Quick disconnect coupling for ease of handling
- Universal motor concept with external drive

**Advanced**

- 2 model series available: IEC with integrated converter, IE without converter
- Sturdy quality with a good cost/benefit ratio
- High-frequency technology for good results in concrete consolidation

**Premium**

- 3 model series available: IRFU with converter, IREN without converter, IRFUflex modular system with 1 converter and 4 different vibrator heads
- Optionally available with handle and Bodyguard™
- For a long service life, all components are very robust and processed for very high quality

**Modular internal vibrators:**
the flexible HMS system

1. Flexible shaft: steel mesh and spiral steel protection provide for high kink resistance
2. Vibrator head: perfect consolidation performance with high wear resistance and long service life
3. Drive: powerful combustion engine or electric motor (depending on your choice) with a quick disconnect coupling and a special protective filter, which prevents the ingress of foreign bodies

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**Practical tip**

Cleverly combined instead of doubly equipped: the IRFUflex modular system.

On the construction site, efficiency and flexibility are indispensable. Our innovative IRFUflex range offers both these qualities:

1. 2. 3. = HMS

The already integrated frequency converter with power cable Bodyguard™ and converter housing (1) can be combined with different vibrator heads (2) through means of an easy-to-use coupling point. To ensure optimum consolidation performance at all times, 4 different vibrator head diameters are available with the respective protection hose lengths up to 10 m.

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"Made in Germany": as inventor of the internal vibrator, we place great value on quality and reliability.

More about our internal vibrators:
www.wackerneuson.com/internal-vibrators
For sustained performance in concrete consolidation: our reliable external vibrators.

Ideal consolidation is essential for high-quality concrete. Wacker Neuson offers you a finely tiered product portfolio of over 40 external vibrators with different speed variations. You will find the perfect model for every application and every concrete thickness.

External vibrators for the concrete processing industry.

- **2-series**
  - 10 models
  - 3,000–6,000 rpm

- **3-series**
  - 4 models
  - 3,000–6,000 rpm

- **4-series**
  - 4 models
  - 3,000–6,000 rpm

- **5-series**
  - 9 models
  - 3,000–9,000 rpm

- **6-series**
  - 9 models
  - 1,500–9,000 rpm

- **7-series**
  - 7 models
  - 1,500–9,000 rpm

- **PEV series**
  - 5 models
  - 10–60 kN

Flexible for in-situ concrete applications.

Wacker Neuson offers various mounting solutions for the AR26 for wood and steel frame formwork.

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

Another application for external vibrators: loosening and detaching bulk material in a silo.

Having everything on hand avoids time wasted searching: the quality exposed concrete kit.

The sturdy wooden box on a steel plate contains a frequency converter, external vibrators and fastening clamps. Thus, you are well equipped for compaction of high-quality exposed concrete surfaces.

Practical tip

Tailor-made vibratory tables.

Vibratory tables offer flexible application options in industrial concrete processing, whether for small series, special parts or relief of series production. Wacker Neuson manufactures all vibratory tables according to exact customer specifications - in size, equipment and function.

VTS low-noise vibratory table: high-quality exposed concrete surface with low noise emission – and can be used immediately thanks to Plug & Play.
The right power for any consolidation application: our high-quality frequency converters.

For operation of internal and external vibrators, three-phase current is required with the correct voltage and frequency. Our frequency converters ensure reliable conversion of the mains electrical supply. Whether mechanical or electronic, mobile or stationary: all the versions of our converters are known for high-quality processing and impressive performance.

Frequency converters for the concrete processing industry.

<table>
<thead>
<tr>
<th>High-frequency converter</th>
<th>Stationary converters</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUH20</td>
<td>FUH35</td>
</tr>
<tr>
<td>FUH70</td>
<td>FUE-M38</td>
</tr>
<tr>
<td>FUE1</td>
<td>FUE2</td>
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<tr>
<td>FUE6</td>
<td>KTU2</td>
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<tr>
<td>FUE-M/57SA</td>
<td>FUE-M/58SA</td>
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Electronic frequency converters

A real lightweight: only 8.9 kg and a convenient handle for comfortable transport.

Compact design with high-quality electronics: in continuous operation, the frequency converters provide the best performance.

High-speed and kind to your back: the DF16 rebar tier.

Evenly drilled, solid knots in no time – our rebar tier is ideal for traditional work on reinforcements and effortless fixing of synthetic material pipes. Now you can work with just one hand and in an anatomically correct and upright body posture. Watch a live demonstration now: www.wackerneuson.com/DF16

Practical tip

High frequency converter.

The FUH series offers innovative frequency converters with high frequency technology. This enables particularly compact dimensions and an extremely light weight as compared to electronic converters. A reliable and sturdy power and voltage supply, even in continuous operation, characterize these units. The FUH series is available in three performance ranges or categories and with up to 6 outlets.

• The overload protection protects the connected unit from very high input current.
• FUH35 and FUH70 are also available with adjustable frequency
• The sturdy housing made of aluminum pressure die-casting is resistant to damage
• Very good heat dissipation for a reliable performance even in continuous operation
• Completely maintenance-free
Perfectly finish concrete surfaces: with trowels for every application.

Floating, finishing and polishing concrete are important work steps if a first-class level concrete floor is to be achieved. With our trowels, you can take care of these tasks professionally. Whether you choose a walk-behind or ride-on model, you will always accomplish a smooth concrete floor with a fine surface structure.

Our trowels.

CT24
2 models
610 mm operating width

CT36
7 models
915 mm operating width

CT48
4 models
1,220 mm operating width

CRT36
2 models
1,830 mm operating width

CRT48
3 models
2,440 mm operating width

Wet screed.

Spread, strike off, compact: when processing concrete floors, our P35 wet screed takes care of three work steps in one. And it does this with simple operability: its lift handles make it easy to move it on the concrete. This ensures first-class handling and good concrete results.

First-class smooth concrete surfaces without compromise: with Wacker Neuson trowels you will master this challenge accurately and comfortably.

CT24: unbeatable for application right on the edge (because of the rotatably mounted protective cage) and on small surfaces.

Precise steering without signs of fatigue thanks to easily operated control concept.

CT24E

Practical tip

The emission-free alternative.

Pleasant working in enclosed spaces without disturbing exhaust fumes and noise: the electrically operated trowels are operator-friendly in application and impress with a high degree of productivity and precision.
From planning to on-site support: we accompany your projects worldwide.

Far beyond the sale of high-quality and reliable concrete technology, the Wacker Neuson concrete experts support you with concrete solutions: we offer comprehensive planning and consulting services, technical support and much more for customers in the areas of precast concrete elements, formwork and plant engineering as well as major construction sites. We are there for you and your customers – worldwide.

Precast concrete elements.

In the precast concrete division, flexibility, individual and economic solutions are important. We support you comprehensively in the equipment planning of new formworks or the design and development of new vibration and control solutions. The concrete experts are also available to assist you with their advice in adapting or expanding your equipment as well as for process changes. But our services rendered do not just stop there. We also assist you with commissioning, assembly and instruction in the new systems. A service that is included in the purchase of Wacker Neuson products for concrete consolidation. Because we offer more than just products, we offer individual and holistic solutions for our customers in the precast concrete elements plant sector.

Our services for precast concrete elements factories:
• Advice and planning of vibration and control systems
• Compilation of economical concepts and process optimizations
• On-site project management
• Support during commissioning
• Country and application-specific product versions

In-situ concrete casting construction sites.

In-situ concrete casting construction sites are extremely diverse – from single-family dwellings to superlative civil engineering works. All of them place high demands on planning, implementation and the quality of concrete compaction. There is often cost and time pressure, and a high degree of execution safety is required. With our many years of experience in numerous international concrete projects, we are available for you worldwide to help you achieve the required concrete results with practical and economical compaction concepts. This could be with quick help for acute problems as on-site project support, or already in the planning phase.

Our services for large construction sites:
• Project-related compaction solutions using construction site execution planning
• Project support on the construction site
• Accompanying concreting on site
• Special vibration solutions for in-situ concrete construction

Plant and formwork construction.

Productive plants in the precast concrete parts sector require precisely coordinated components. We offer modern and construction-specific vibration solutions along with decades of expertise – from vibration and control technology to industrial automation – for all plant and formwork concepts. The advantage: a tailor-made comprehensive package for precast concrete parts plants from a single source – and with wide-ranging service. From planning to commissioning to instruction in the new plants, we assist you in plant and formwork construction – internationally.

Our services for plant and formwork builders:
• Customer-oriented, economical complete solutions
• Worldwide support in all project phases by our concrete specialists
• Commissioning at the end customer by experienced application specialists
• Quick response times by the comprehensive international sales and service network of Wacker Neuson
The world of construction relies on the expertise of Wacker Neuson.

You would be amazed on how many concrete construction sites throughout the world rely on the expertise of Wacker Neuson – including a number of flagship projects that have attracted attention worldwide. In our more than 80 years of experience in concrete we have developed not only a unique level of expertise, but also many product innovations, that give you excellent results in every situation.

Are you planning a big project? We support you in all phases of your projects – from bridge construction, building construction and special construction, to tunnel and sluice construction – regardless of whether you are a supplier or a builder.

www.wackerneuson.com/concretesolutions

Concrete expertise for over 80 years.

1937 Wacker invents the world’s first internal vibrators

1997 We launch the first internal vibrator with integrated frequency converter on the market

2005 The innovative Bodyguard™ protection system makes concrete compaction even safer

2016 Modular system with rapid-action coupling for maximum flexibility and quick exchange of components

2016 Another world first: the first portable converter with high-frequency technology

The Olympic Tower in Munich is a landmark, a television tower and an example of “outstanding” architecture in the true sense of the word. The stability it requires is ensured by, among other things, 40,000 tonnes of concrete – into which our expertise was also poured.

And the largest building in the world, the Burj Khalifa in Dubai, was also built with the help of the concrete technology and experience of Wacker Neuson – with impressive results.

The expansion of the Panama Canal is intended to make this important waterway accessible to even larger container ships in the future. More than 500 Wacker Neuson internal vibrators are used for concrete consolidation in this project. They are sturdy, reliable and deliver excellent performance, even under harsh operating conditions.

The construction of the 36-km-long Hong Kong-Zhuhai Bridge was a major challenge in every respect – even with regard to concrete compaction. These were overcome over the course of seven years of building time by about 100 Wacker Neuson internal vibrators.

The Petronas Towers not only look massive, they are indeed giants with their 200,000 tonnes of concrete per tower – and the technology and expertise of Wacker Neuson.

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Your everyday work day is full of challenges. We have the right solutions and help you to be ahead of the competition. We offer you everything you need for this purpose: Wacker Neuson—all it takes!

Products

- Concrete technology
- Excavators
- Dumpers
- Pumps
- Compaction
- Wheel loaders
- Generators
- Heaters
- Demolition technology
- Telehandlers
- Lighting
- Used equipment

Services

- Financial solutions
  Uncomplicated, transparent and individual financing options for you.
- Repairs & Maintenance
  First-class and quick maintenance. Repairs with original spare parts.
- Academy
  We expand your know-how: practice-oriented and within an ideal learning environment.
- EquipCare
  All about the machines in the overview, via App or PC – EquipCare.
- Rental
  Take care of your liquidity and lease impeccable construction equipment as required.
- Concrete experts
  Our experts advise you in all project stages.
- eStore
  Buy original spare parts conveniently online – for all Wacker Neuson product groups.

Spare parts

- Every minute counts:
  Within the shortest period of time, we deliver over 150,000 genuine Wacker Neuson spare parts to your construction site.

www.wackerneuson.com