WIRTGEN GROUP

Wirtgen

Stabilizing soil efficiently at a working width of 2.40 m

Soil stabilizer WR 2000 XL

The WR 2000 XL – operating efficiency at its best

2.40 m – a stabilizing width much in demand around the world

As a complement to the WR 2000 and WR 2400 machines already on offer, the compact WR 2000 XL stabilizer joins the Wirtgen product range. As a pure soil stabilizer, this machine is the ideal choice for construction sites where down-to-earth, economical work is what really matters. At a working width of 2.40 m, which is very commonly used on an international scale, and a stabilizing depth of 500 mm, the WR 2000 XL homogeneously introduces lime, water and cement, or a mixture thereof, into non-load bearing soil. The innovative mixing procedure applied instantly turns the mix into stable, load-bearing subsoil that is suitable for placing and compacting.

Ease of operation and rock-solid equipment – the key features of the soil stabilizer

The all-wheel driven WR 2000 XL puts up an outstanding performance also on heavy soil

Compact and cost-efficient

- The operator's platform provides perfect visibility, easy and convenient operation and an ergonomic workplace.
- Its permanent all-wheel drive, 4-fold lifting column design and high ground clearance make the WR 2000 XL the ideal choice for work on difficult terrain.
- The variable mixing chamber and four different rotor speeds complete the range of features of this sophisticated machine.
- The finely adjustable injection system (optional) uses microprocessors to control the addition of water into the mixing chamber.

Ergonomic operator's platform with best-in-class ease of use

Ergonomically optimized seating position with steering wheel adjustable in height and inclination

The workplace has been designed for easy, clearly structured operation

Fully utilizing existing performance reserves

To run a sophisticated machine safely, the operator often needs to perform many different work steps simultaneously. By contrast, just a few turns are needed to operate the WR 2000 XL. The clearly structured controls are labelled in a language-neutral manner, and most of them are incorporated in the left or right armrest. In addition, all operating procedures are carried out in an ideal, ergonomic body posture. Both the steering wheel and the comfortable driver's seat can be adjusted to suit the specific needs of the operator, and always provide perfect process visibility. One of the superior features of this machine is its operator's platform, which can be shifted hydraulically. If the platform is moved beyond the right machine edge, the operator can see the milling edge, the zero side and any obstacles the machine might come across.

For no-fatigue, intuitive operation

Safety and security with a capital S: the vandal-proof lockable cover

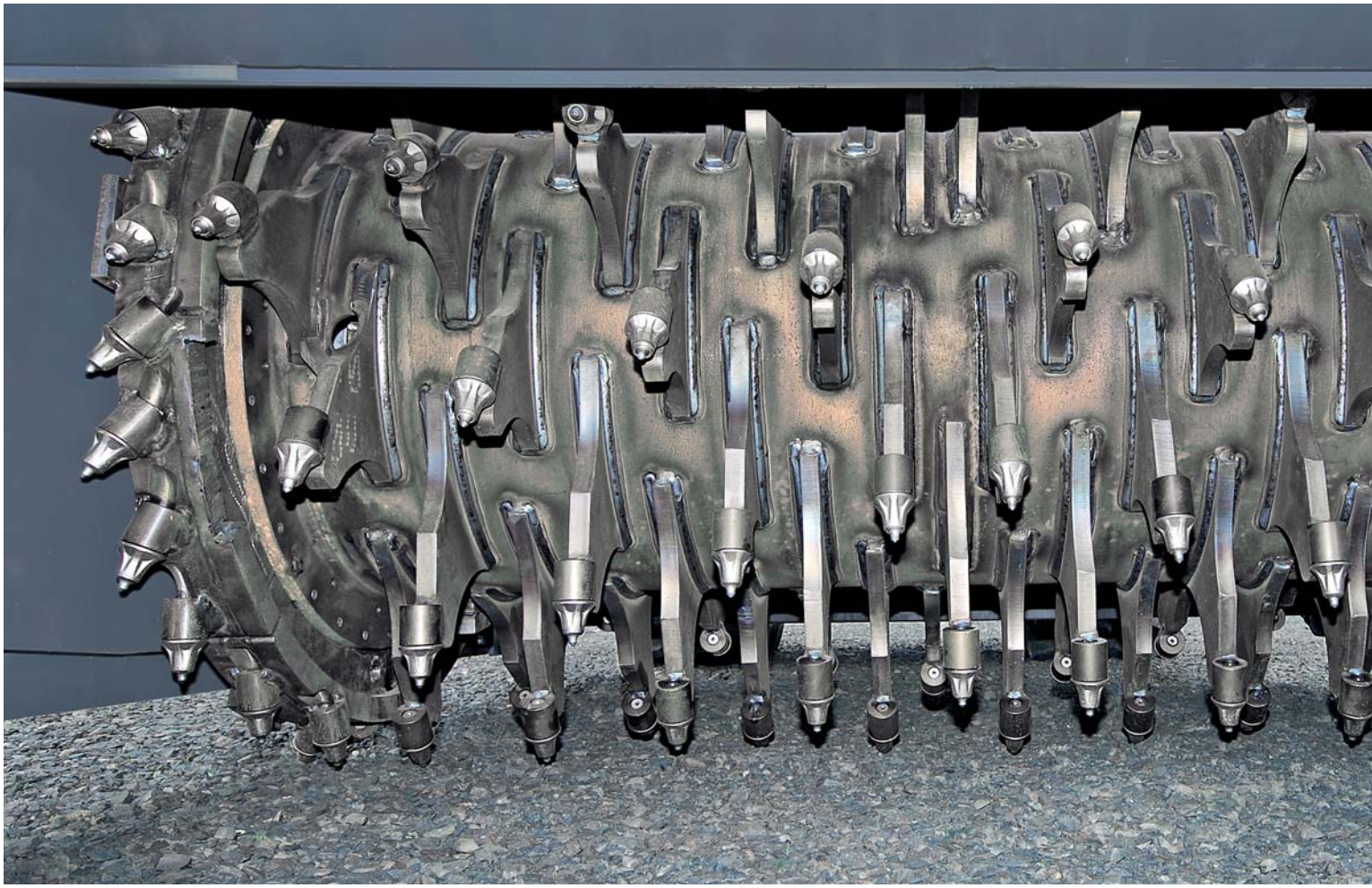
At the flick of a switch, the operator's platform can be shifted beyond the machine edge

The quick-to-mount protective screen (optional) protects the operator from both rain and sun exposure

As and when required by the specific work situation, the driver's seat with instruments and controls is moved into a position transverse to the direction of travel

- With its seat unit pivotable about an angle of up to 90°, the laterally adjustable operator's platform always puts the operator in an ideal working position.
- The low, compact design of the machine offers ample room to move and good all-round visibility.
- The simple, tried and tested control design of the WR 2000 XL encourages intuitive use.
- The controls for frequently used machine functions are incorporated in both armrests, and can be operated conveniently.

Homogeneous mixing results at a working width of 2.40 m



Reliable, tried and tested technology

// Sophisticated milling technology forms part of our core expertise. The intelligently arranged, back-welded toolholders on high bases ensure a high mixing volume, a homogeneous mixing pattern and quiet operation of the machine. The heavy-duty system consisting of milling drum, toolholder and cutting tool converts up to 500 mm deep, non-load bearing soil into perfectly treated ground, using injected water and binding agents spread in the preceding work step. One of the machine's particular highlights is the working width: 2.40 m is a standardized dimension accepted around the world for any type of stabilization work.

Wirtgen milling technology guarantees homogeneous mixes

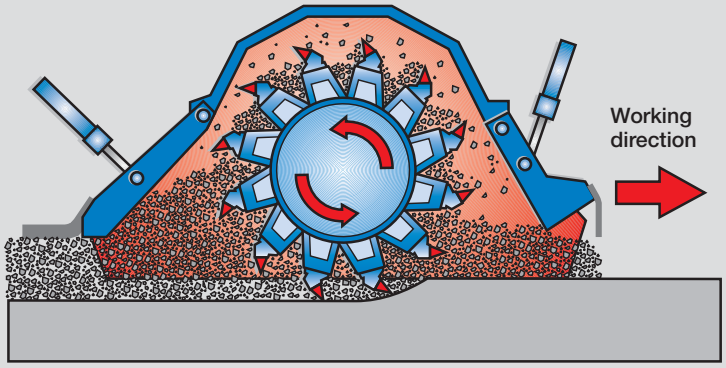
The milling drum projecting to the right provides a perfect view of the zero side

Ground-breaking expertise

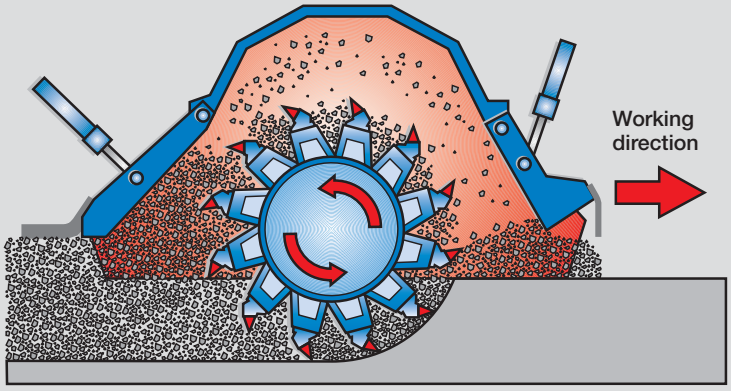
- The working width of 2.40 m (corresponding to 8 ft) is an internationally accepted standard dimension.
- The unobstructed view of the milling edge or zero side enables fast, flush-to-curb milling while safely negotiating any obstacles.
- Using a pneumatic tool extractor (optional), cutting tools can be replaced quickly and effortlessly.
- The WR 2000 XL is equally well suited to the stabilization of damaged road pavements, using pre-spread cement and water.

Perfect mix quality at any stabilizing depth

Smaller mixing chamber at low working depths



Larger mixing chamber at great working depths



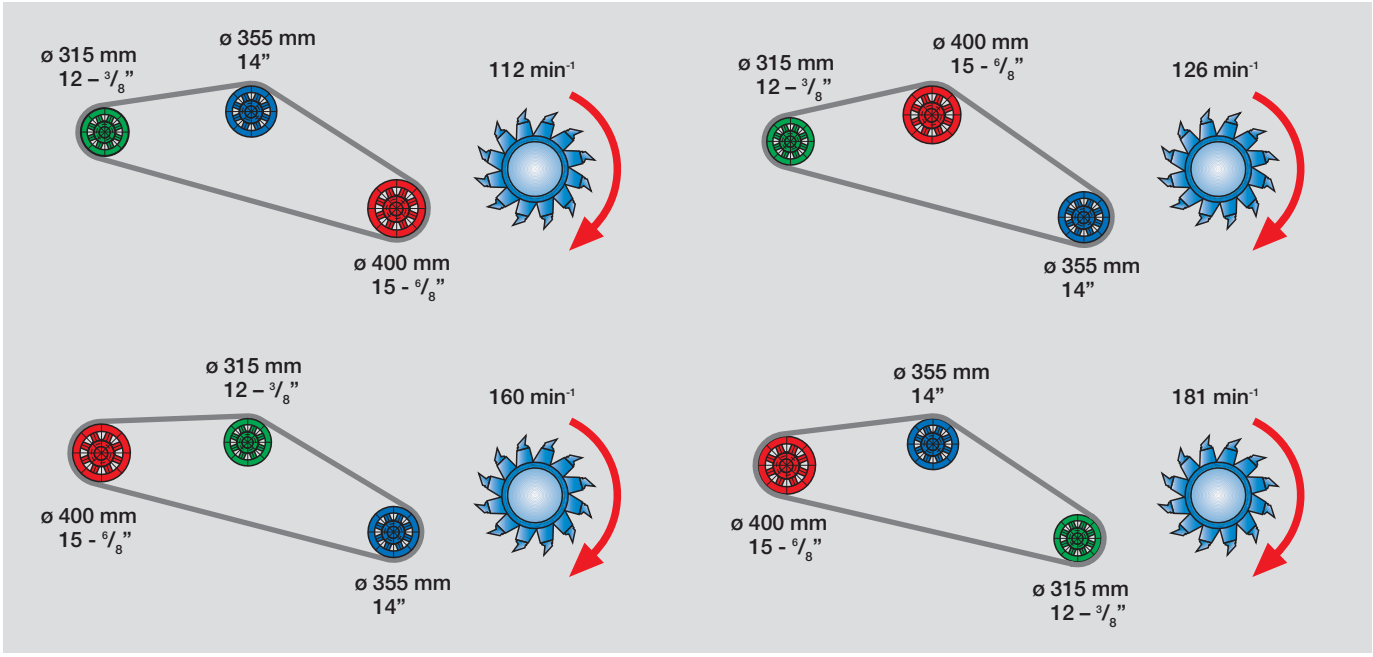
Perfectly adaptable to any ground conditions

In situations where conventional stabilizers already reach their limits, the high-performance WR 2000 XL has still got significant power reserves. This is due, to a large extent, to the variable mixing chamber: The wear-resistant housing is rigidly fastened to the chassis – the deeper the rotor penetrates the soil, the larger the mixing volume becomes. Performance drops due to mixed soil blockage are prevented by design. The continuously adjustable mixing chamber guarantees a permanently homogeneous quality of the mix. The mechanical milling drum drive transmits the engine power while ensuring highly efficient operation. As a result, the smart drive design reduces fuel consumption while providing superior ease of maintenance at the same time.

The mechanical milling drum drive turns power into productivity

The belt pulleys can be repositioned to enable four different rotor speeds

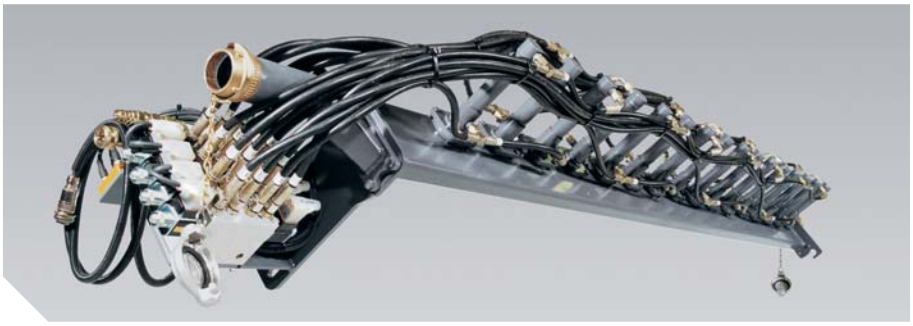
Adjustable rotor speed



- An automatic belt tensioner ensures perfect, uniform power transmission from the direct mechanical milling drum drive at all times.
- The belt pulleys can be repositioned to adjust the speed of the milling and mixing rotor to the specific job conditions.
- The scraper blade behind the milling drum can be hydraulically adjusted from the operator’s platform to produce a level surface.

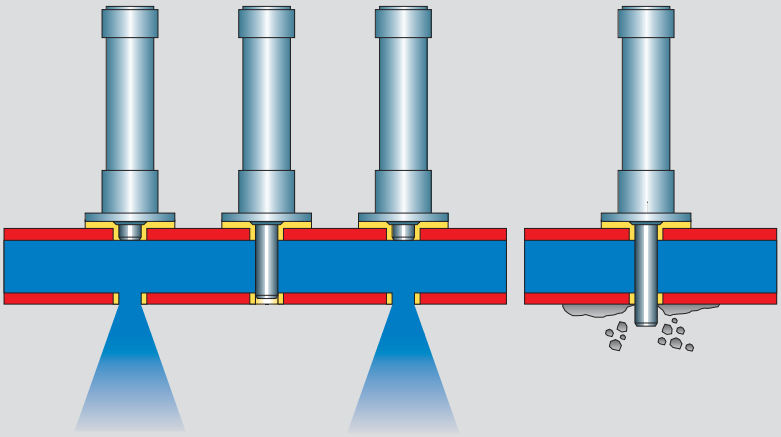
State-of-the-art technology ensures perfect mixes

Customizing soil strength



Nozzle cleaning: automatic, pulse-controlled

Removal of incrustations in the mixing chamber: triggered manually



Always ready to operate: Tappets clean all nozzles in the injection bars automatically at pre-determined intervals

Injection bar with individually shutting nozzles distributed across the entire working width

The water hose is coupled to the system at the front of the machine

Tried and tested injection system for accurate metering

The electronically controlled water injection system (optional) of the WR 2000 XL includes a wealth of high-tech features. The operator merely keys in the specified quantities of binding agents to be added at the clearly structured control panel – all the rest will be dealt with automatically by highly sensitive microprocessors. The water is drawn from a tanker connected to the machine and injected into the mixing chamber in precisely metered quantities and across the entire working width. The end result of this highly precise mixing process is perfectly treated subsoil with a water content ideally suited to subsequent compaction.

Turning and maneuvering in difficult situations

Big wheels and ample ground clearance make an easy job of difficult driving maneuvers

Outstanding all-terrain mobility

The compact WR 2000 XL with all-wheel steering can be operated in crab-steering mode to approach the track from the side

The machine has several built-in steering modes – the image shows a turning in “coordinated” mode

- The stabilizer’s permanent all-wheel drive ensures uniform traction under any ground conditions.
- The 4-fold lifting column design with individually suspended and hydrostatically driven wheels guarantees quiet and precise operation and a uniform milling depth.
- The dynamic, full-floating lifting column system enables the flexible adjustment of all lifting columns to the specific ground conditions.
- The smooth steering system makes an easy job of maneuvering the stabilizer on muddy ground, turning tightly or loading it onto a low bed trailer.

WIRTGEN AMERICA

Wirtgen America Inc.
6030 Dana Way · Nashville, TN 37013, USA
Phone: (615) 501-0600 · Fax: (615) 501-0691
Internet: www.wirtgenamerica.com