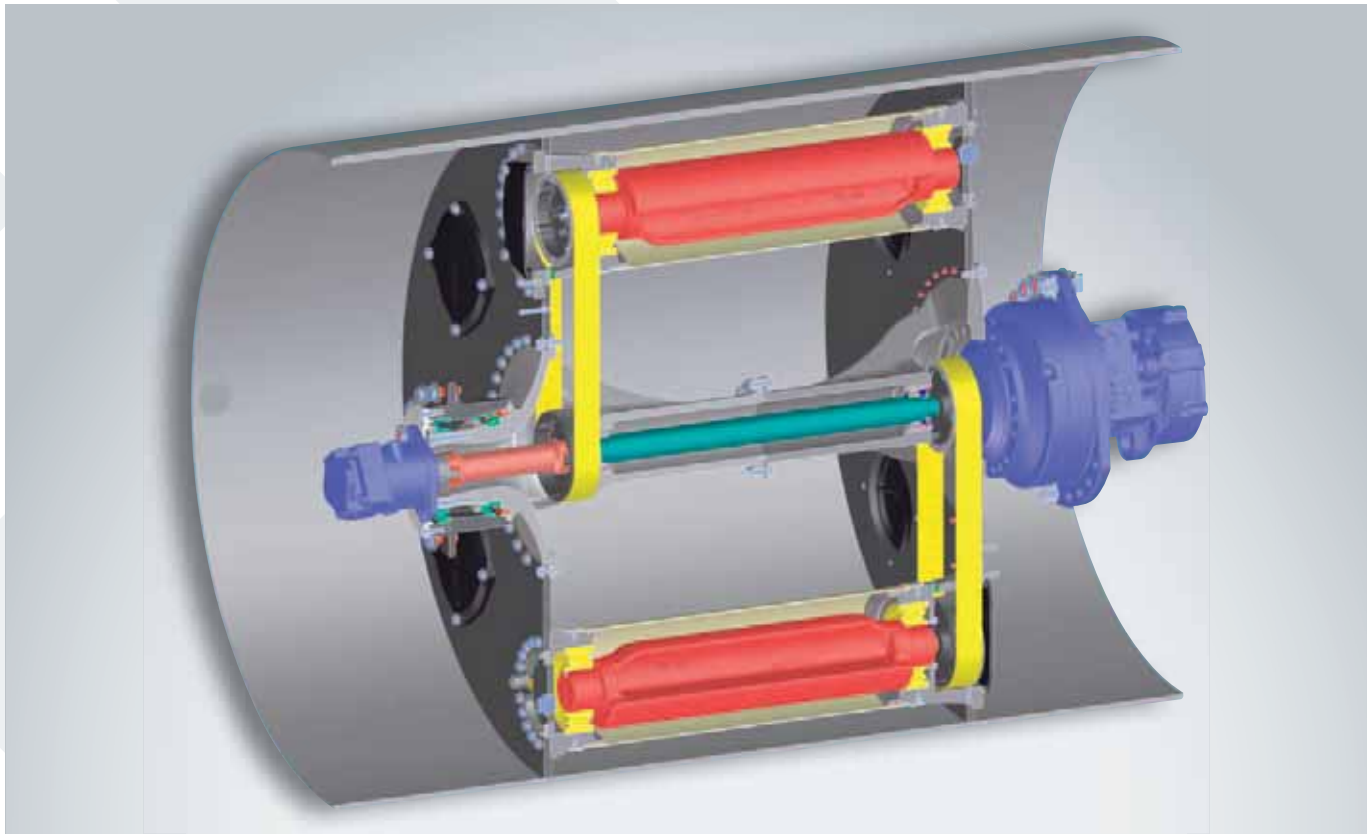


Another way to compact.



Tangential oscillation

TanGO
...BOMAG-Oszillation



Special compaction jobs require special technologies: ideally from one source.



Double vibration



For contractors the issue of cost plays a bigger role than ever in the decision whether to use an all-round roller, or a specialist unit for specific compaction tasks. The operator, however, wants both: flexibility and easy operation. So BOMAG now has a better alternative: tangential oscillation.

The principle:

with BOMAG oscillating compaction there are two exciter shafts which rotate the same way to generate torque around the drum axis. In fast sequence, the drum itself changes its effective direction tangentially to the contact surface (forwards and backwards). This means the surface is practically compacted with double frequency.

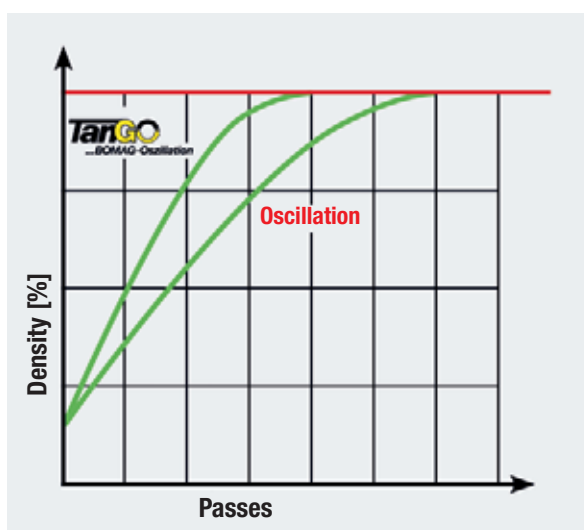
Example: with an oscillating frequency of 42 Hz the 2 x 42 direction changes per second are on the same spot.

The result:

highly efficient compaction with overlapping dynamic thrust forces and constantly applied loads gives excellent results.

Higher efficiency:

with tangential oscillation, the laws of physics are used very efficiently. The oscillating weight has been minimised for the benefit of optimal tangential amplitude. BOMAG oscillation brings a new standard to compaction efficiency and gives quicker compaction with fewer roller passes.



Greater flexibility and ease of use.

BOMAG tandem rollers are always equipped with two exciter systems. With the TANGO roller an oscillating drum is mounted at the rear. Depending on the application, this is either combined with a 2-step circular exciter system at the front, or is used independently.

Flexibility on all layers and surfaces:

While the circular exciter system ensures the required depth of compaction, BOMAG oscillation gives efficient progressive compaction right up to the surface. The result: a fast increase in compaction and uniform quality.

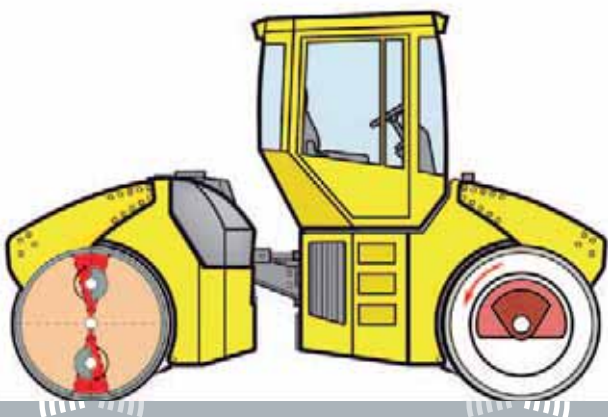
Flexibility on connections, joints and bridges

On bridges or generally in the proximity of vibration-sensitive buildings it is advisable to use oscillation, where only minimal vibrations are generated.

Connections and joints: the constant transfer of thrust forces quickly provides an even transition from hot to cold asphalt layers.

Simple operation: Let's GO

Roller handling during oscillation compaction is easy and does not require any expertise. Every roller operator can start the job immediately without the need for vibration pre-settings. Application risks with compaction intensity and the effects of vibrations on structures are kept to a minimum.



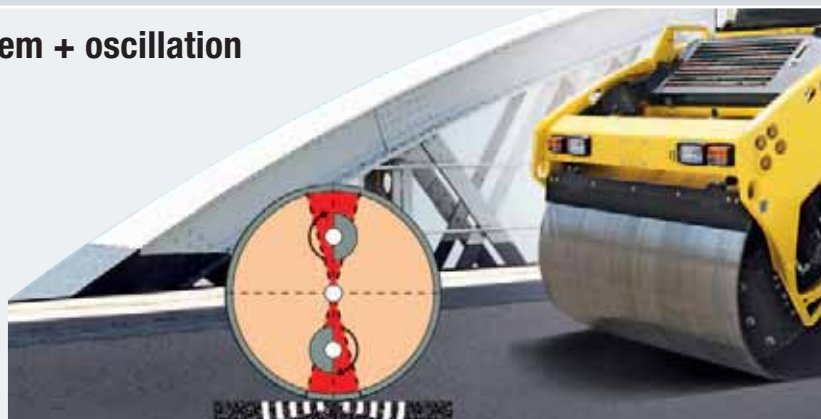
Typical compaction work:

Circular exciter system + oscillation

- Extra thick asphalt layers
- Difficult to compact mixes
- Road sub-bases

Oscillation

- Joints
- Connections
- Thin asphalt layers
- Bridge structures
- Proximity to buildings



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