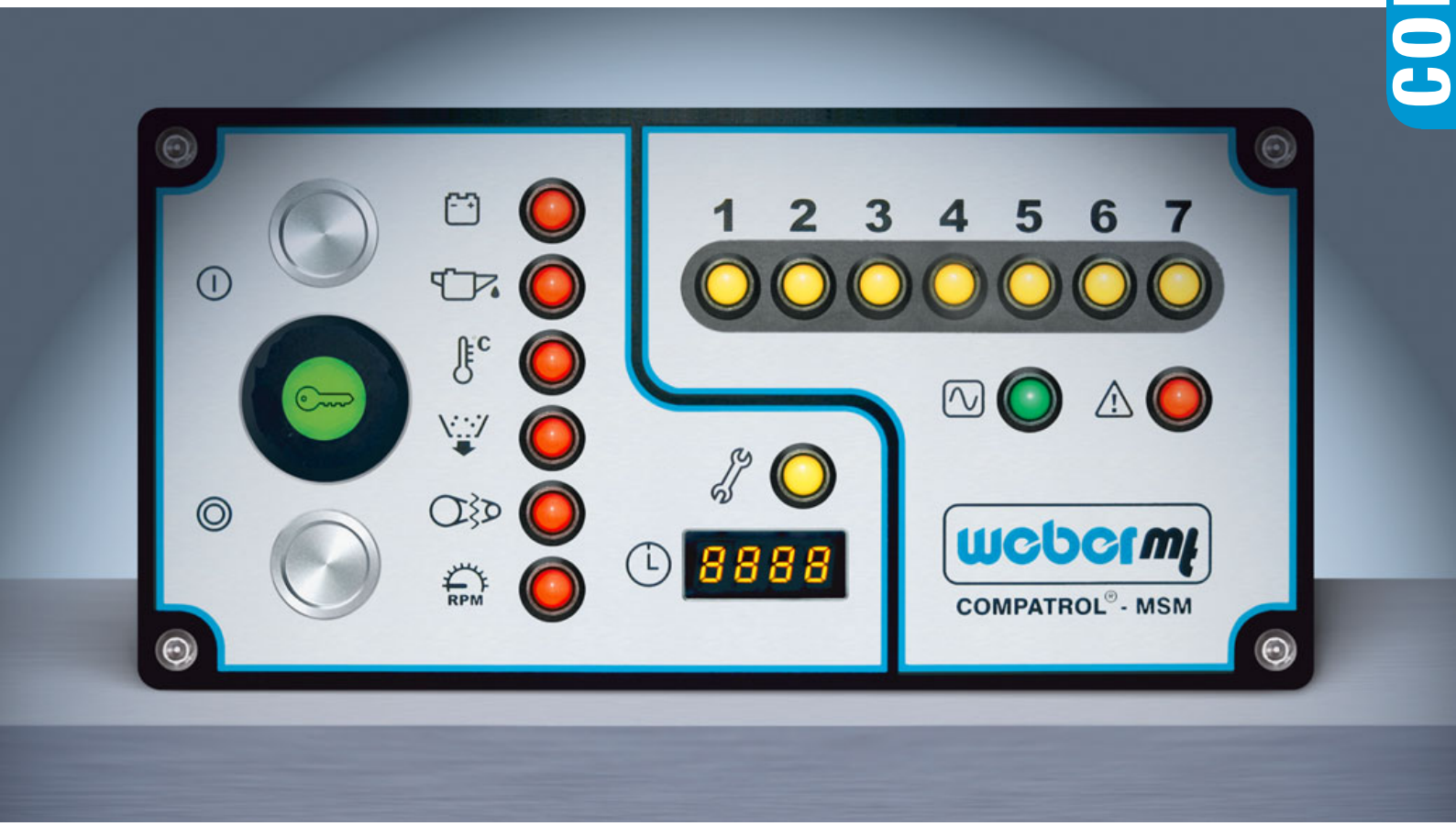
The Brand of Progress

COMPATROL®



COMPATROL®-Technology

Made by Weber MT

COMPATROL® - CCD

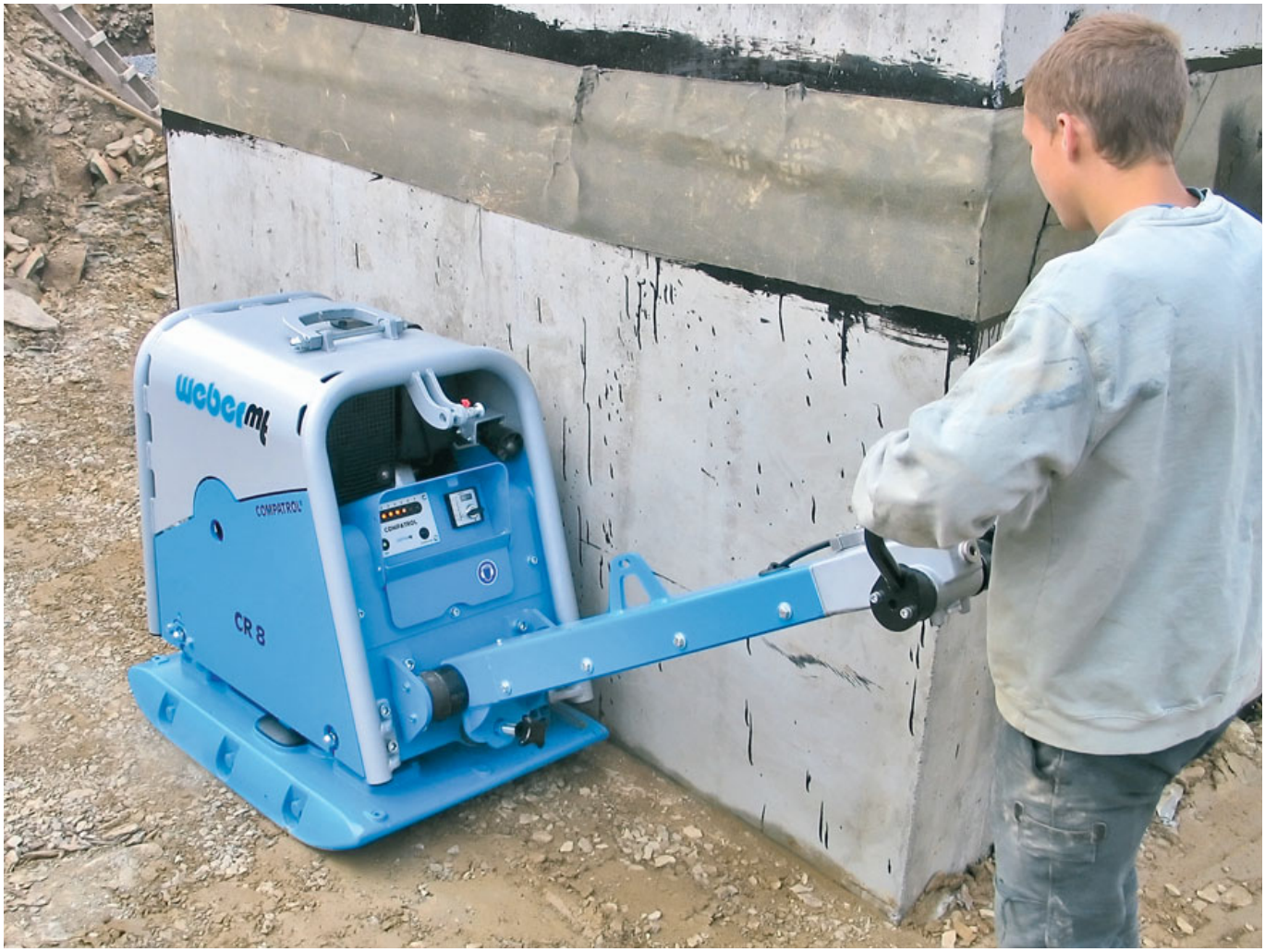
A typical job site with typical problems: a soil compactor is being used to compact the sub-base of a path.

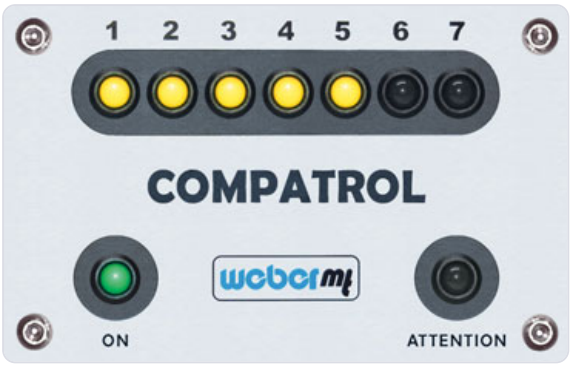
Four passes have already been completed, but when is the soil sufficiently compacted? And what about weak points in the sub-base that could lead to a later settling of the path?

The COMPATROL®-Technology from Weber MT, the first continuous compaction control system for walk-behind soil compactors, assists the operator in answering these questions.

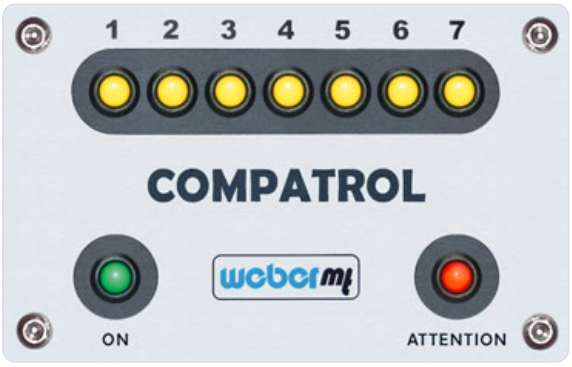
And this is the way COMPATROL® functions:

A sensor is installed to the base plate of the soil compactor. During compaction, this sensor measures changes in the vibrational behaviour which relates to the soil's stiffness by means of a "frequency band analysis". The result is indicated to the operator on a scale of light-emitting diodes in the integrated display. If, during further compaction passes, no additional diodes light up, the operator of a soil compactor equipped with COMPATROL®-Technology knows that maximum compaction has been achieved.

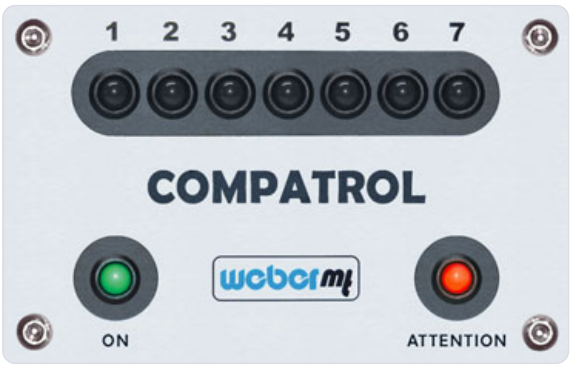




COMPATROL®-CCD: display during compaction.

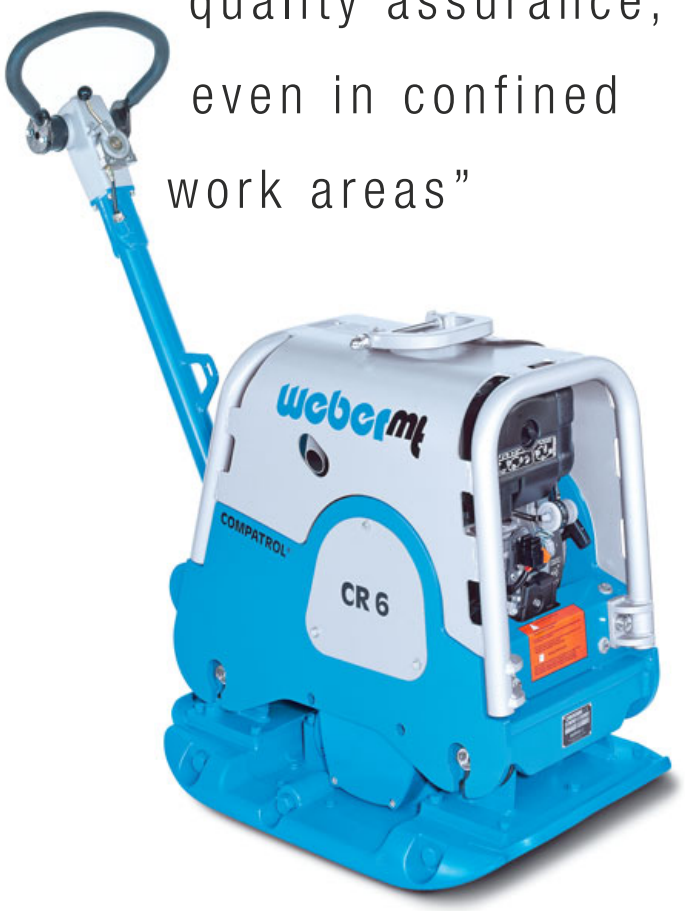


COMPATROL®-CCD indicates: “Stop compaction; maximum degree of compaction achieved; soil too hard”.



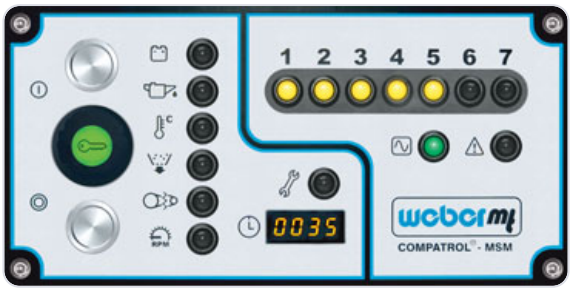
COMPATROL®-CCD error message: “poor bearing soil, ground cannot be compacted”.

“Progress through quality assurance, even in confined work areas”



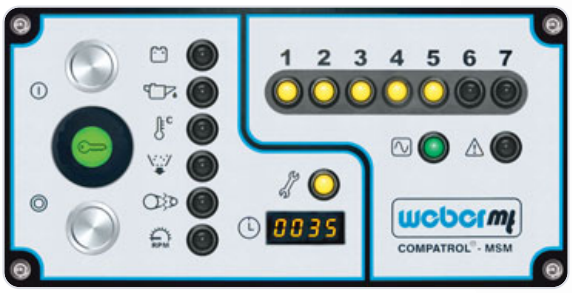
Advantages of COMPATROL®-CCD

- Thanks to continuous compaction control, no area remains uninspected. The system allows assessment of compaction uniformity and reveals and eliminates weak points.
- Cost and labour savings, because less rework and fewer compaction passes are required.
- Quality assurance is possible in restricted areas as well, e.g., in trenches or backfill areas.
- With a little experience, the operator is able to assess the bearing capacity of the soil.
- Reduced exposure of the operator to noise and vibrations due to shorter operating times.
- COMPATROL® additionally checks machine frequency.
- The scale of light-emitting diodes is easily understandable for the operator.

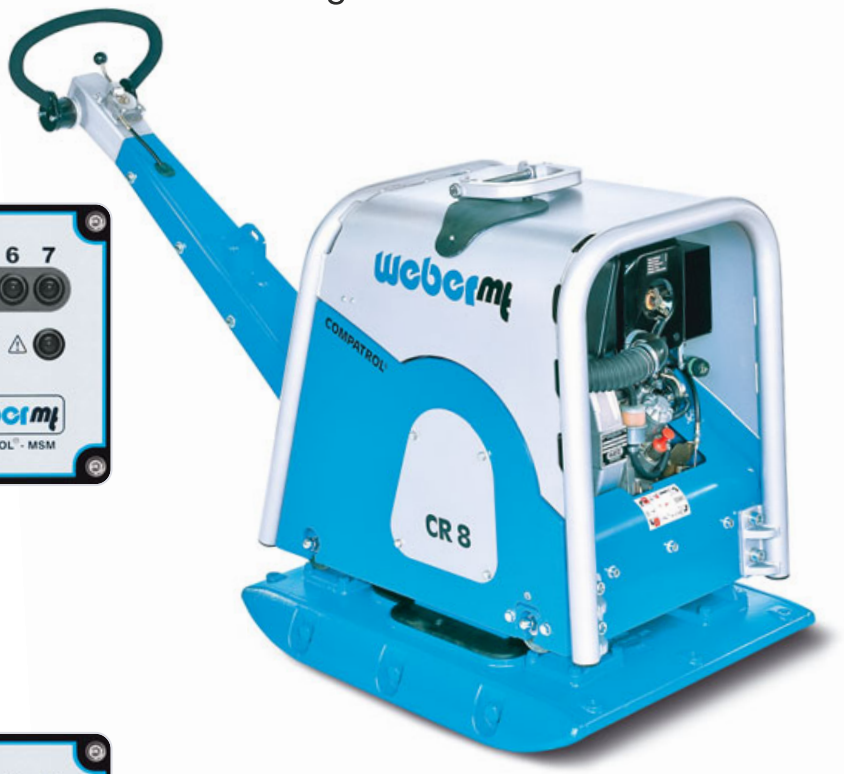


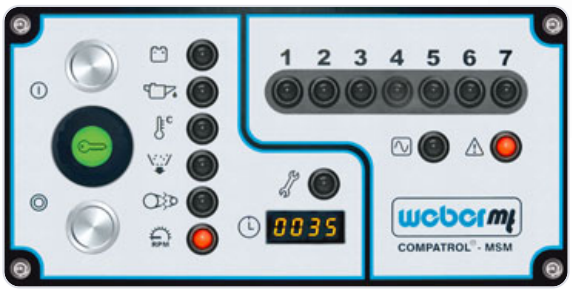
COMPATROL®-MSM: display during compaction.

“Progress through up-to-date machine and service management”



COMPATROL®-MSM notifies: maintenance necessary.





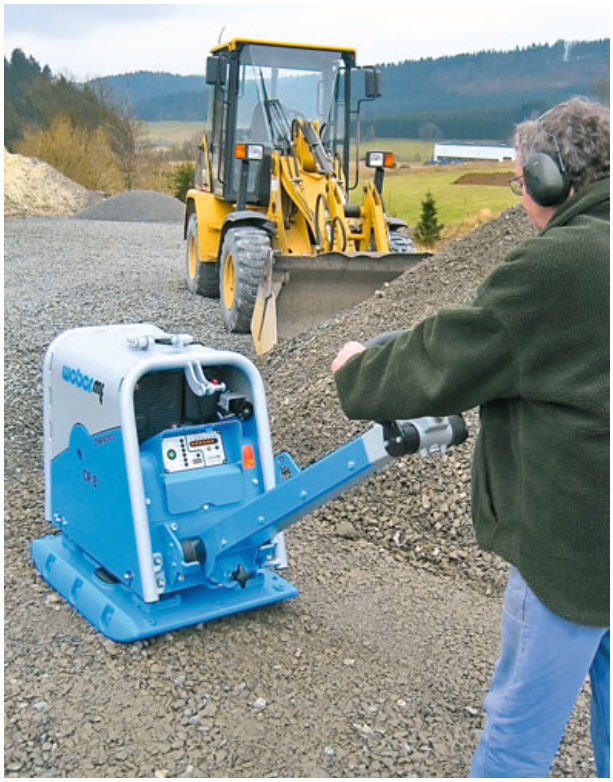
COMPATROL®-MSM indicates: incorrect engine speed. Check for the cause. Compaction measuring not possible.

Advantages of COMPATROL®-MSM

- Failures are immediately displayed and thus can be repaired in time. Easy trouble shooting because the location of the possible failure is indicated.
- A service indicator reduces the risk of damages to the machine caused by neglected or improper maintenance.
- The machine’s operating time is logged. Now rental companies can invoice their customers for the exact rental period.
- A starting chip allows an easy and simple engine start. In addition, the chip can be encoded to protect the soil compactor against theft.

COMPATROL®-MSM

COMPATROL®-CCD makes work easier on the job site. The newly developed COMPATROL®-MSM combines proven compaction control with the advantages of machine- and service-management.

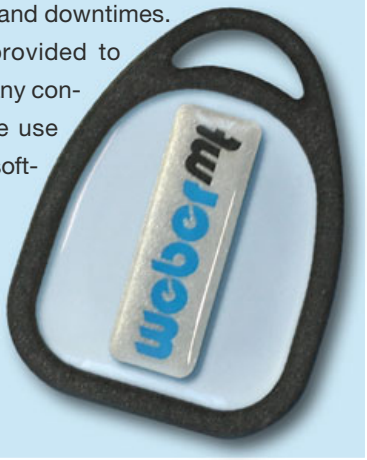


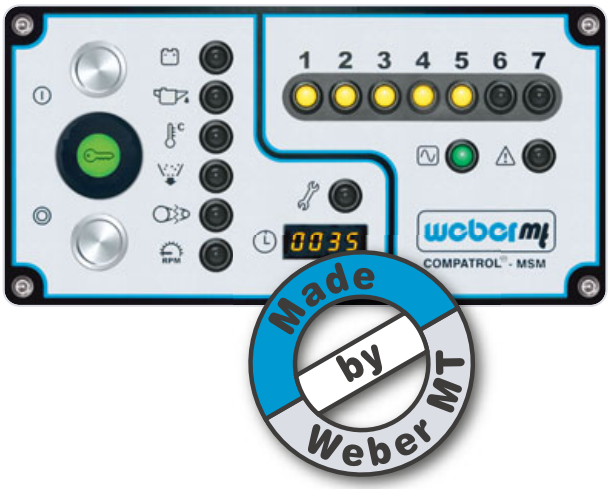
If battery voltage, engine oil pressure, cooling water temperature, air filter restriction, vibrator frequency or engine speed is outside of the predetermined tolerance ranges, corresponding diodes will light up on the display of a machine equipped with COMPATROL®-MSM. The operator is warned that a failure has occurred. The machine can now be checked in time, i.e., before serious damage occurs. COMPATROL®-MSM also indicates the location of the failure. As lengthy trouble shooting is no longer necessary, the machine can be quickly returned to the construction site for further use. In addition, a service indicator reduces the risk of damage to the machine caused by neglect or improper maintenance.

Additional new features of COMPATROL®-MSM

The machine is started with a simple push of a button and a starting chip. The coded chip can be programmed for use in several machines or only one. In addition, the code protects the machine against theft.

Another chip, the service chip, delivers exact data on the operating hours and downtimes. A readout box is provided to transfer the data to any conventional PC, where use of the correspondin software enables subsequent processing. Rental companies for example can finally invoice their customers for the exact rental period.





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