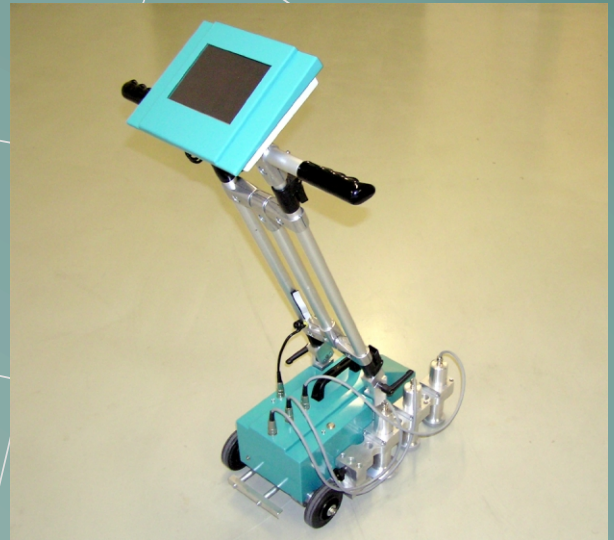




## MOIST SCAN - moisture scans on flat roofs and roof terraces

For roofers the mapping of moisture distributions in flat roof has proved to be an excellent instrument for evaluating the moisture status. As result it delivers very descriptive images of the moisture distribution inside roof constructions. Those images contain the desired moisture status information not only in the absolute moisture readings but also in the structure of the moisture distribution. Because measurements can be carried out with different microwave sensors for different penetration depths, it is possible to compare moisture levels at the surface and in the core of the roof.

Taking such moisture distributions had to be regarded to be laborious especially on large flat roofs with areas of some thousand square meters. In such applications some thousand measuring points are achieved very quickly. That's why on such roofs today a size of the measuring grid is chosen that is one meter or even more coarse meshed, whereas the measurement takes considerable time.



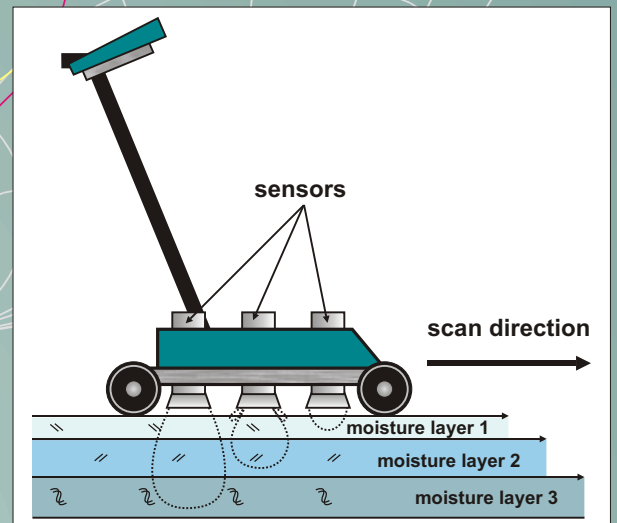
With MOIST SCAN there is a new instrument available for fast scanning of moisture distributions on large area flat roofs. By microwave scanning roof areas up to ten thousand square meters can be investigated very quickly. The lateral resolution achievable with the microwave scanner is in the order of 10 cm. For small areas it can be reduced down to 5 cm.

Because MOIST SCAN can operate several microwave probes at the same time, a single scan already contains information from different depth layers. The scan can be displayed directly after having finished the measurement, that means, already on the roof. So far, important information concerning the moisture distribution and potential water ways in the roof under test can be won on-site.

MOIST SCAN was designed very compact and can be transported onto the roof easily. For scanning the roof no preparations like irrigation or laying cables are possible. The handling of MOIST SCAN is very simple - turning on, scanning, regarding the scanned moisture image.

Today's available operational experiences regarding measurements in flat roofs lead to the conclusion, that microwave scans using MOIST SCAN are the first class solution for recording moisture distributions inside of large roof constructions. Practical experiences have shown that based on the scanned images a distinct classification of the degree of moisture damages and potential water ways can be realised. Also for maintenance works MOIST SCAN is the ideal tool.

### **MOIST. The cutting edge in material moisture measurement.**



*Restore Solutions reserves the right to make changes without any notice*