

Leica Geosystems **TruStory**

The Leica 3D Disto for craftsmanship in stone



Control unit displays scan results immediately

"If you make mistakes cutting the marble then this is a costly error. It is also not easy measuring for a work top as sometimes the walls are not straight. Also you will encounter different angles that need to be measured." says Beytullah Filiz.

In the past you would do this type of measuring with a tape measure or a laser distance meter. The measurements would then have to be taken back to an office and inputted into a drawing program if



3D Disto scanning the kitchen counter

not by hand. From these drawings a template would need to be made and then this would have to be taken back to the site to be checked. If this was not right then the whole process would have to start again.

"The Leica 3D Disto makes the whole process simple, accurate and efficient"

The Leica 3D Disto allows accurate measuring of the walls, angles and kitchen cupboards. Any alcove or corner piece can be measured to an accuracy of $\pm 1\text{mm}$. The room scan function allows you to measure intricate patterns capturing the angles and the lines perfectly. This function allows you to see whether your wall is straight or at 90° .

Once you have taken all the measurements you can export the data via a DXF file to AutoCAD and make any adjustments if required. You



FILİZ MERMER

■ Company

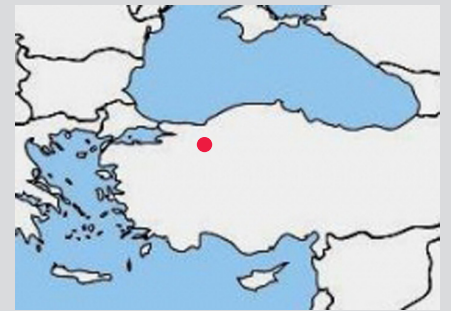
Filiz Mermera Granite

■ Challenge

Measuring to fit marble work tops in a kitchen

■ Location

Sakarya, Turkey



■ Solution

The 3D Disto allows accurate measuring of all work tops and the file is sent direct to CNC machine for cutting. The cut marble then fits perfectly to the kitchen cupboards and wall.

■ Result

100% accurate and easy installation



Beytullah Filiz "We have used the 3D Disto in over 40 different jobs and each one has been 100% accurate, saving us a lot of time and money"



Kitchen counter after installation

can see what your work top will look like in a visual 3D image. When you are satisfied that everything is correct the file can be sent to the CNC machine to be cut. Depending on the size of the kitchen the worktop can be cut in one or two pieces

The result is that the cut marble for the work top fits exactly to the wall even if the wall is uneven or the angles aren't exactly 90°. In the past if the gap was too big from the wall to the work top then either it



3D Disto datas imported to CNC counter

would have to be filled with resin to hide the gap or a decorative edge may have to be used to hide it. The Leica 3D Disto ensures that the cut marble fits exactly flush with the wall.

"We have used the Leica 3D Disto in over 50 applications and each time it has worked perfectly" says Beytullah. "We also use it in stair applications, windows, door entrances and flooring to name a few. We even used it on a special project for an S shaped swimming pool. Without the 3D Disto we would not have been able to do the job"

"We are proud to recommend the Leica 3D Disto for measuring and working in the stone market"



Floor mosaic installed by PROJECTOR application

When you are using expensive materials then making mistakes can be costly. Here we used the 3D Disto to layout this beautiful pattern on the floor.

■ Product-Highlights

- Easy to position on any surface due to its self levelling or on a tripod
- Easily transported and the control unit fits the hand perfectly
- Room scan allows intricate angles and patterns to be measured
- Error free DXF file straight to CNC machinery for cutting



Irregular geometry of glass/steel construction

"The 3D Disto has helped us to measure and fit accurately in a number of different projects including the measurement of an opening in this large building. Here we used room scan to make sure that everything fitted perfectly from the metal framework to the bespoke glass. Measuring this without using a 3D Disto takes a long time and you can not guarantee that you will be accurate enough. With the 3D Disto it took a matter of minutes"