



3D Disto Software
for Windows®

Leica 3D Disto Tutorial



Kitchens

- when it has to be **right**

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Geosystems

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What do you need to know?

Kitchen Counter Tops:

- The wall length where the counter top will go including angles and to see if the wall is straight
- The tops of the kitchen cupboards
- Pipes, plugs, water supply, etc.

Current methods:

Using a tape measure or laser distance meter. Measurements are then converted to a line drawing or inputted into software. A template is made out of paper or plywood. This is then checked back at the location. A file is produced with the sizes and sent for cutting.

In this tutorial we will show you how the Leica 3D Disto will save you time and money and reduce the amount of workflow during the process.



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Setting up the 3D Disto

STEP 1:

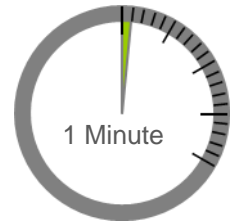
Make sure that you set the 3D Disto on a tripod and that you can see if possible everything you need to measure. This will avoid having to relocate during the measuring process.



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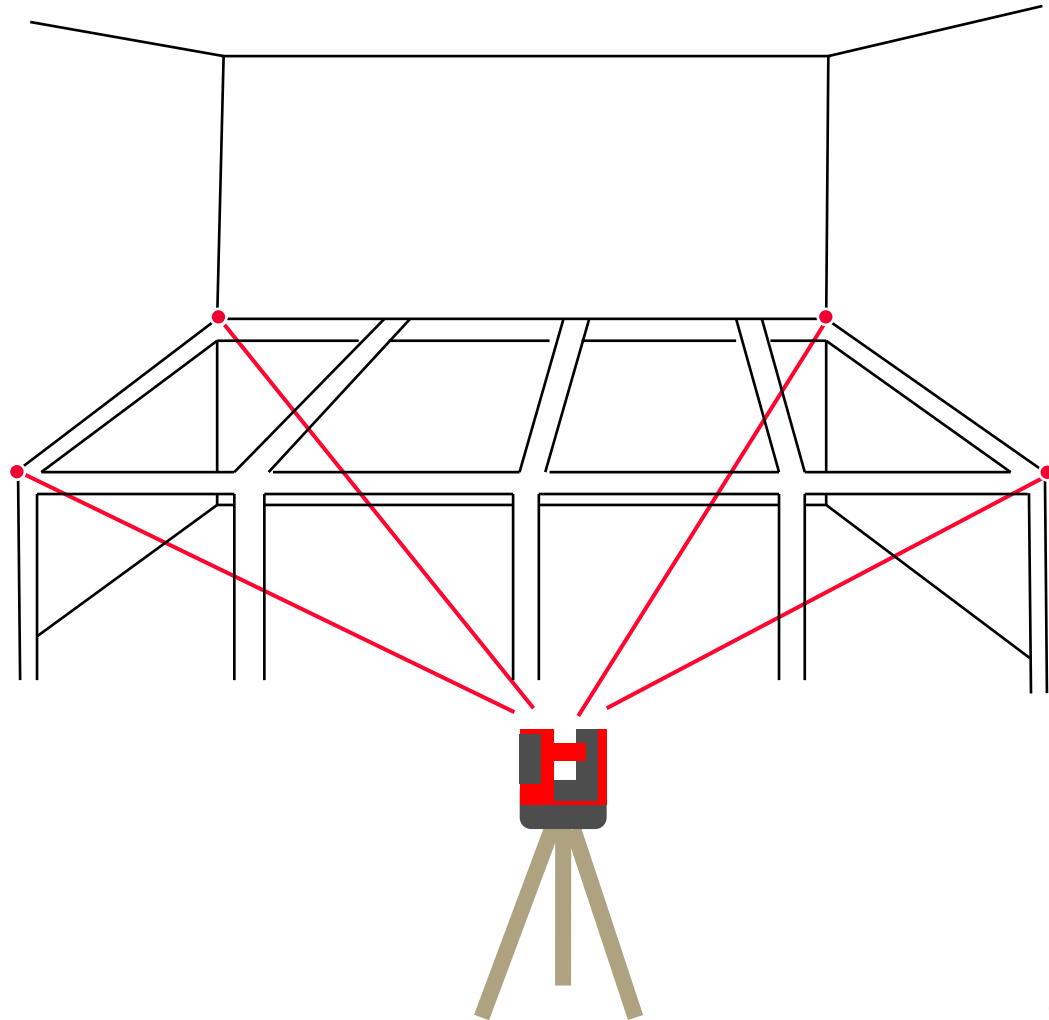
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Measuring with the 3D Disto



STEP 2:

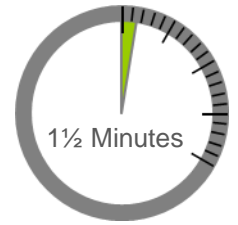
For a standard shaped kitchen counter top, all you need to do is measure at the four points above the cupboards to get the area of counter top required.



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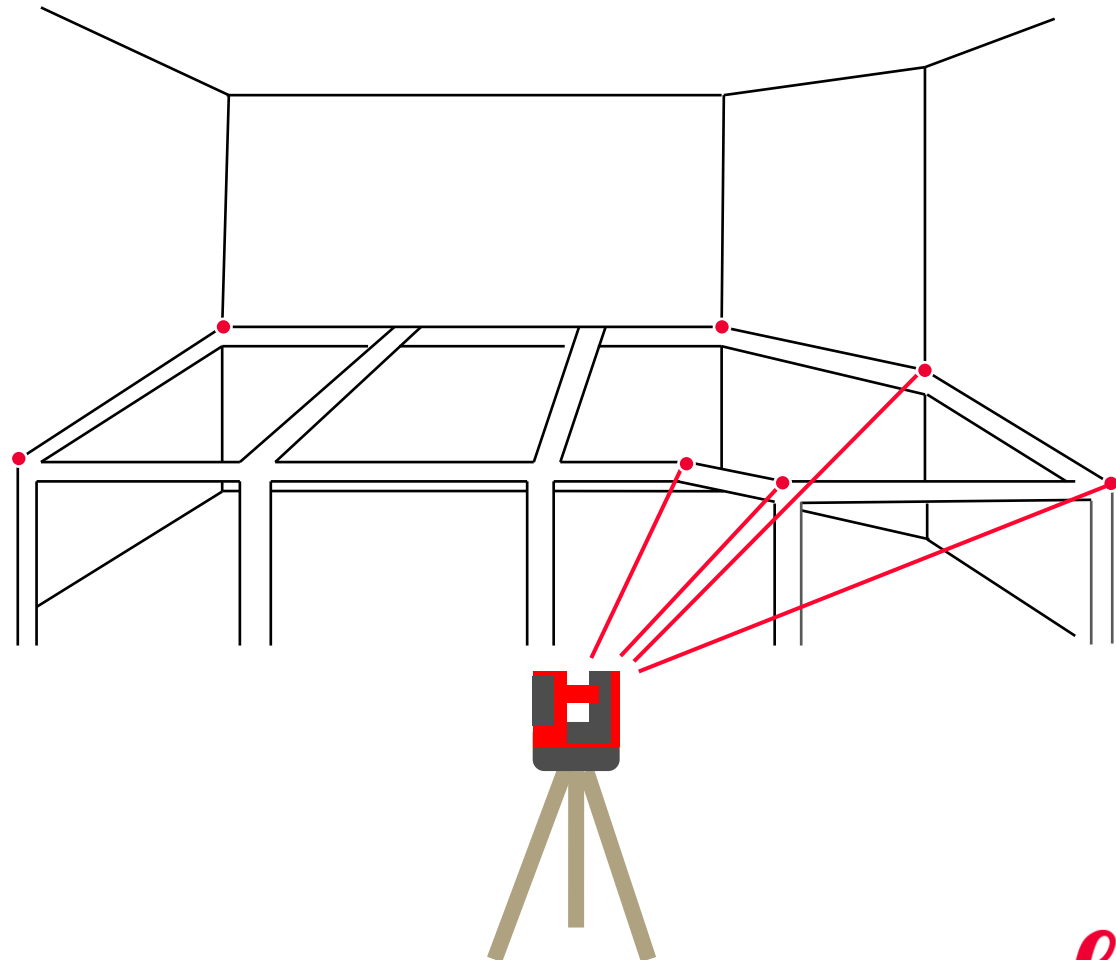
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Measuring with the 3D Disto



STEP 2a (optional):

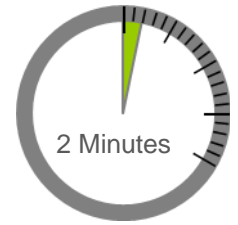
If your kitchen is a slightly different shape with angles then measure at all the points above the cupboards and at the front to get the area of counter top required.



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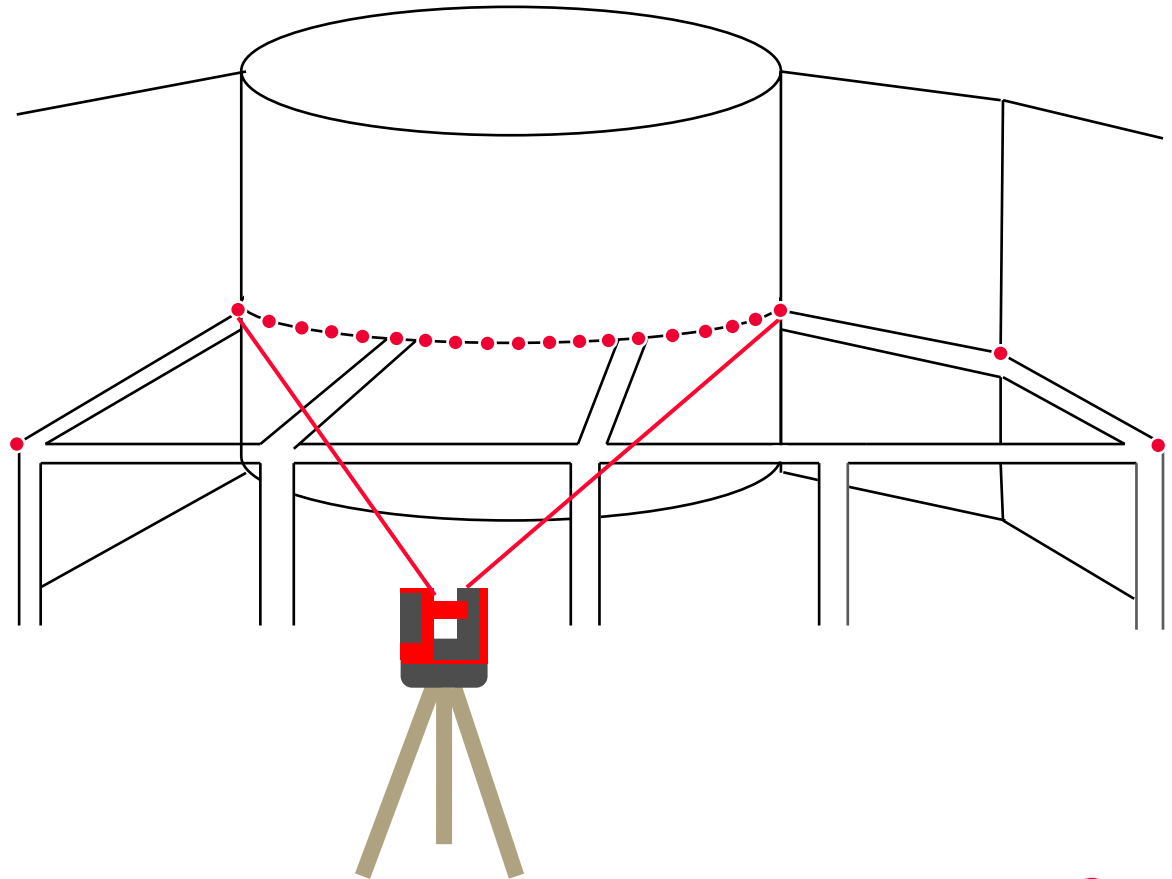
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Measuring with the 3D Disto



STEP 2b (optional):

If your kitchen needs to fit to individually curved surfaces or uneven walls, then start a horizontal scan to sample complex shapes.



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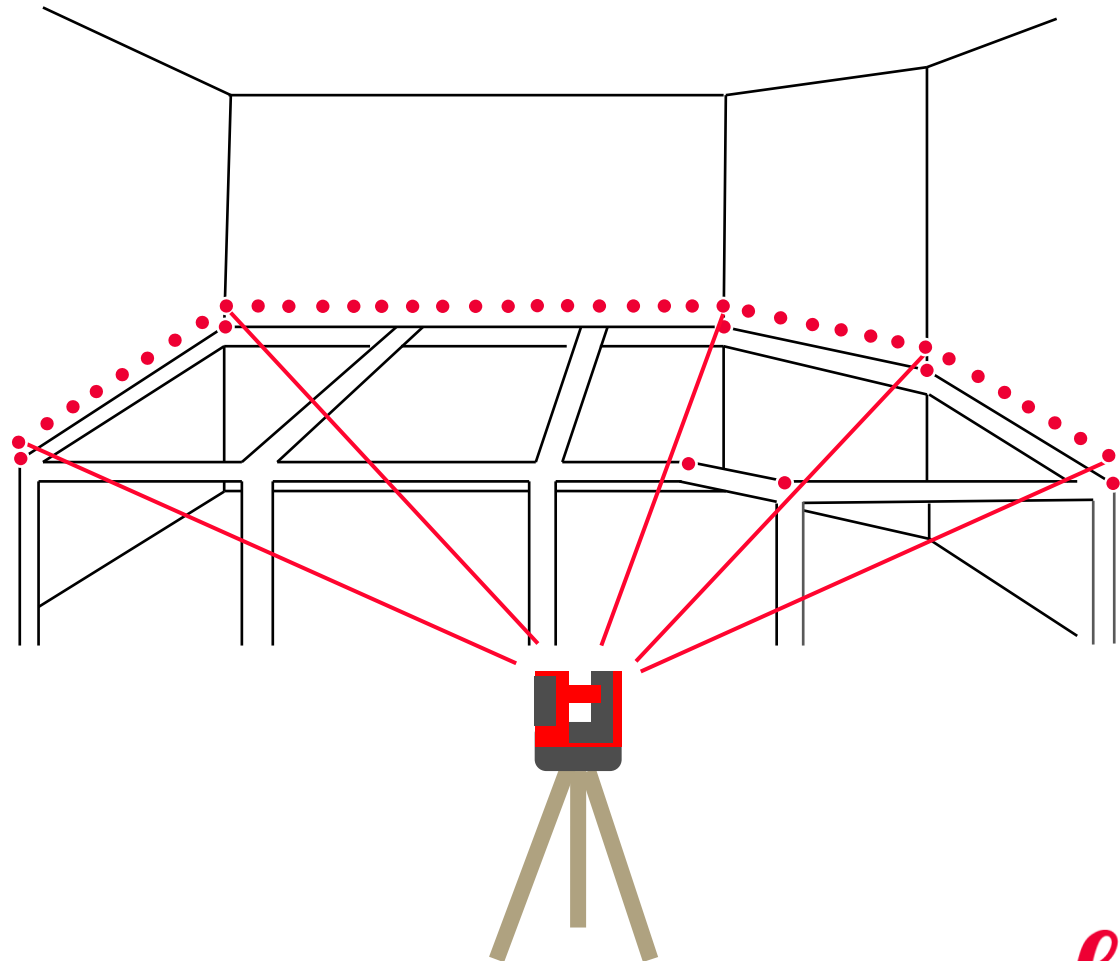
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STEP 2c (optional):

If you are uncertain that your walls are straight, then you will need to scan all the wall surfaces above the counter tops scan function. This will allow an exact fit.



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Measuring other points

STEP 3:

If you have existing pipes, plugs, water supply etc. on the wall or floor you can measure these to decide where the sink will go.

In CAD or other programs you can then fit the sink unit that the customer wants or design a sink of whatever shape to be cut into the work surfaces.

If the pipe work and electrics are not in yet then you can work in CAD using the building plans.



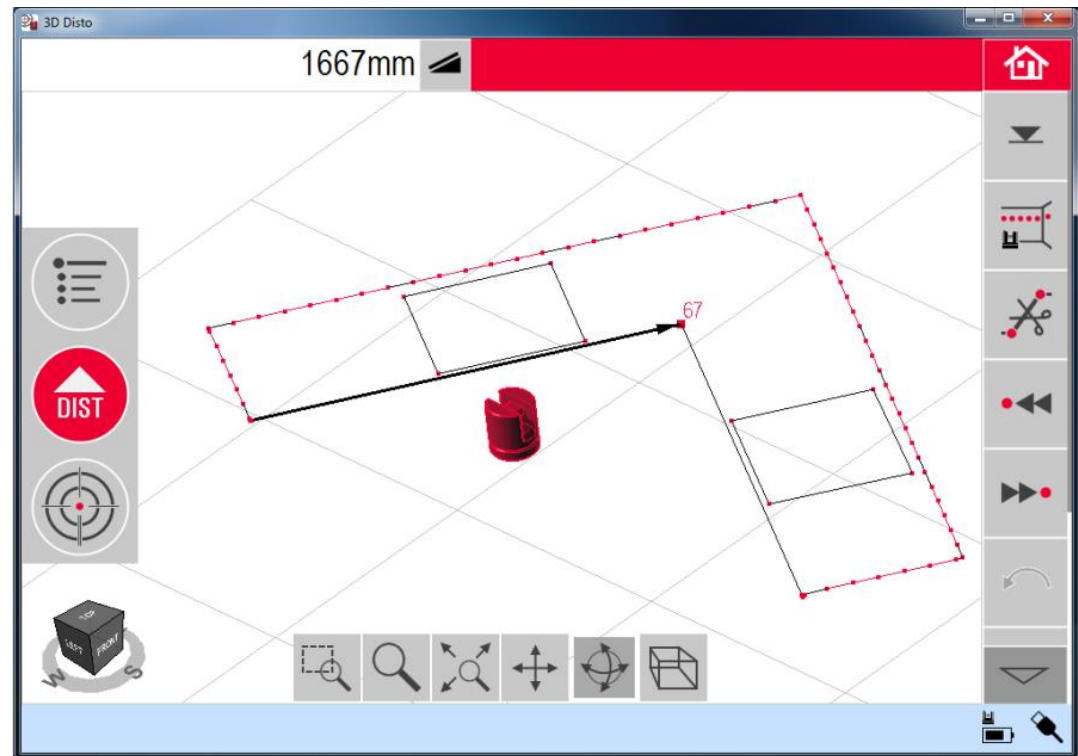
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Saving your data for post processing

STEP 4:

Save the measurement and press the File Manager's EXPORT key to generate 1:1 export files. It will fit to your preferred CAD system.



Ready!

You can post process the drawing in your software program. You have the drawing dimensions and you will now design your counter top including the overhang and size of the work surface in your software.

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CNC cutting and installation

STEP 5:

You can send your drawing direct to the CNC machine for cutting.

Once cut the counter top will fit perfectly saving you time and money going back again if a mistake has been made and going through the whole process incurring more costs.

The Leica 3D Disto is the perfect tool for all kitchen counter top applications. You can also define your positioning for cupboards and units as well.



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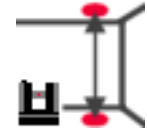
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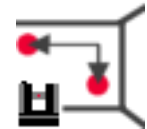
Tools for cupboard installation

Use the “Tool Kit” for installation with a number of helpful tools. It projects pre-defined point positions and transfers height references around a room if the floor may not be level.

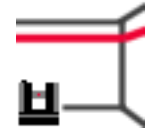
Plumb tool



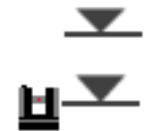
Position marker



Level tool



Meter mark tool



Parallel marker



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Leica 3D Disto

Registration at myWorld



Register your 3D Disto on myWorld for:

- warranty extension
- license keys
- more tutorials
- free software updates
- support
- manuals

The screenshot shows the myWorld@Leica Geosystems website. At the top left is the 'myworld @Leica Geosystems' logo. At the top right is the tagline '- when it has to be right' and the 'Leica Geosystems' logo. Below the header is a large image of a smiling man wearing a headset, with a 3D Disto device overlaid on the image. To the right of the image is a login form titled 'Anmeldung'. The form has two input fields for 'E-Mail' and 'Passwort', and a button labeled 'Anmelden'. Below the input fields are three links: '› Registrieren', '› Passwort vergessen', and '› Support'. Below the login form is a section titled 'Willkommen bei myWorld@Leica Geosystems'. The text in this section reads: 'myWorld@Leica Geosystems bietet den Kunden und Partnern von Leica Geosystems ein breites Angebot an Services, Informationen und Schulungsunterlagen. Mit myWorld können Sie direkt auf alle wichtigen Services zugreifen - rund um die Uhr und jeden Tag! Mit myWorld stellen Sie sicher, dass Sie laufend die neuesten Informationen von Leica Geosystems bekommen und Ihre Instrumente und Software auf dem neuesten Stand sind. Und damit erhöhen Sie Ihre Produktivität. Die Welt von Leica Geosystems ist nur einen Mausklick entfernt - treten Sie ein: myWorld@Leica Geosystems!'

www.disto.com