Leica MultiWorx
For AutoCAD
Point cloud plug-in software

Nova

FAST, EASY POINT CLOUD PROCESSING OF LEICA NOVA MS60 LASER SCAN DATA

Leica MultiWorx for AutoCAD is for point cloud processing newcomers using Leica Nova MS60's integrated laser scanning capability. This plug-in for AutoCAD and Civil 3D lets drafters and designers work with rich, 3D point clouds in a familiar CAD environment. It also provides simpler and more powerful tools for navigating point clouds and creating deliverables than native CAD capabilities.

THE TOOLS YOU NEED TO QUICKLY GET IT RIGHT

Leica MultiWorx for AutoCAD makes it easy to create accurate deliverables. True Colour images from Leica Nova MS60, aligned to scans, provide powerful visual context. Intuitive orientation tools make working in 3D easy. Versatile clipping tools make subdividing scans into areas of interest fast and accurate. A robust set of «Virtual Surveying» features make accurate topographic drafting simple and fun.
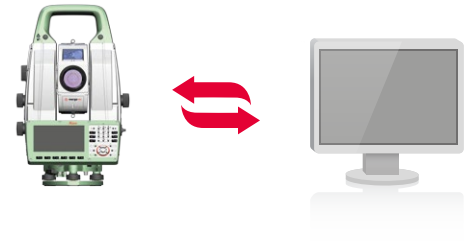
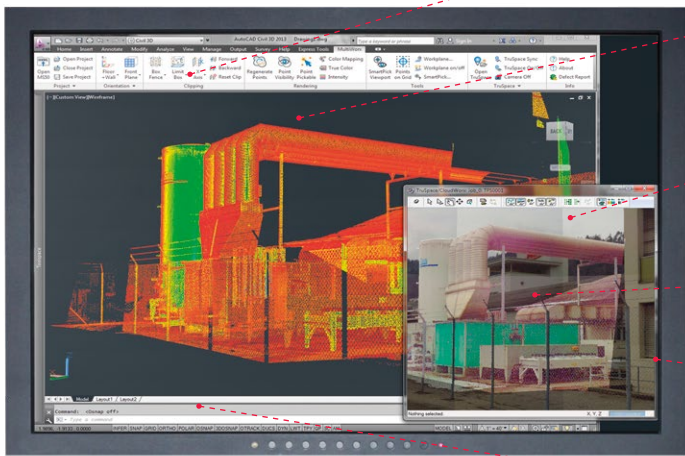### SCAN CAPABILITIES FOR A WIDE VARIETY OF APPLICATIONS

Take advantage of Leica Nova MS60's scan capabilities. Whenever you are using them for specific survey tasks or as valuable project QA, Leica MultiWorx together with Leica JetStream provide state-of-the-art point cloud project performance and big data management. Allowing you to take full advantage of Leica Nova MS60's rich point clouds and images to create better maps, profiles & cross-sections, contours and more.

PART OF HEXAGON

- when it has to be **right**

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Richer results from familiar workflows

Using traditional total station set up and traverse methods, Leica Nova MS60 also collects rich point clouds and informative images. In the office, simply adjust the field data using Leica Infinity or any other tool you prefer. Then, inside AutoCAD or Civil 3D, Leica MultiWorx lets you create even better, «higher-confidence» traditional deliverables.

Leica MultiWorx key features

- Integrated ribbon interface provides access to all MultiWorx commands in familiar AutoCAD\Civil 3D style

- User can select point cloud colourisation settings. This CAD window shows the point cloud in intensity Multi-Hue\Rainbow

- Panoramic TruSpace window includes background imagery from Leica Nova MS60 internal camera for increased comprehension

- In addition to the background images, the TruSpace window is showing the point cloud with the True Colour setting

- TruSpace window can be linked to the CAD window and used to easily manipulate the 3D viewpoint

- JetStream's streamlined project management completely insulates the CAD user from needing laser scanning expert knowledge

Leica MultiWorx main features

POINT CLOUD MANAGEMENT

Simplified opening of point cloud data (fully supporting Leica Cyclone IMP files, Leica JetStream data, and ReCap RCP files); 3D limit boxes, slices, interactive visualisation of all size data sets

RENDERING

Level of Detail (LOD) graphics, «Single pick» point cloud density control

VISUALISATION

Intensity mapping, true colour; limit boxes, slices

TruSpace panoramic viewer: Select view point from keyplan; Drive CAD viewpoint from TruSpace; Quick limit box in CAD from single pick; Send point picks from TruSpace to CAD command; Includes background images

DRAFTING SUPPORT

Automatically orientate UCS to walls and floors; UCS Orientation Support with a few simple picks on the point cloud; High point, low point and ground point SmartPick Snapping; Creation of COGO points on a user specified Points on a Grid; Project linework to Workplanes ; QuickSlice with UCS orientation/alignment and Auto-Fit Polylines with one or two clicks

Leica MultiWorx installs as a plug-in to Autodesk's AutoCAD 2013, Civil3D 2013, or newer versions. It therefore requires a computer system which meets AutoCAD's or Civil 3D's system requirements and has one of those CAD products installed.

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