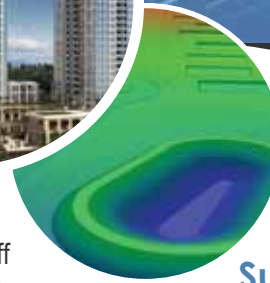


HIGH DEFINITION SCANNING

Core Design Inc.
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Who is Core Design?

Core Design, Inc. is a privately owned team of professionals, technicians and support staff that has provided civil engineering, surveying, planning, landscape architecture and urban design services throughout the Puget Sound Region for over 50 years.

Core's leadership team understands that providing a quality product and meeting budget and schedule constraints are the factors most important to our clients and critical to the success of a project. We take pride in providing innovative solutions to complex problems while maintaining balance in the quality-cost-time triangle.

Core's Survey Department

In addition to High Definition Scanning, our survey team provides a variety of land survey and construction survey services to a wide variety of clients, public and private.

Our Washington professional land surveyors, supported by a talented group of survey office technicians and field surveyors, work closely with their clients providing the expert advice and services necessary to satisfy project and government requirements. The survey department also supports our in-house engineering, planning and landscape architecture departments.

Surveying Services

- Boundary
- Topographic
- A.L.T.A./ Improvement
- Control/ Route
- Plats/ Subdivisions
- Title Research
- Condominium Surveys
- G.P.S. Control Surveys
- Digital Terrain Modeling (DTM)
- High Definition Scanning

"My experience with Core Design has been great. I can see the quick progression of some great technological breakthroughs in the BIM arena with Core Design's laser and modeling services. Core Design has provided Mortenson in Seattle with the most accurate as-builts we have used for our BIM models and we have been able to successfully deliver to our clients in a tight schedule."

Jesús A. Lugo
Integrated Construction Coordinator
Mortenson Construction

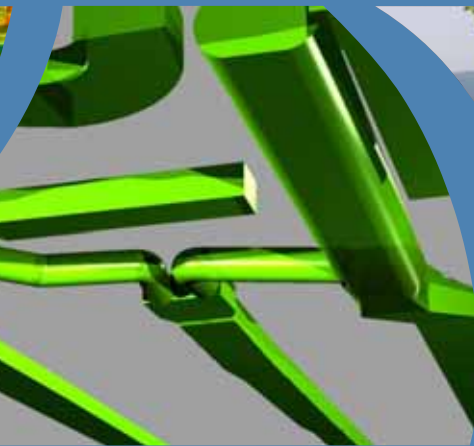
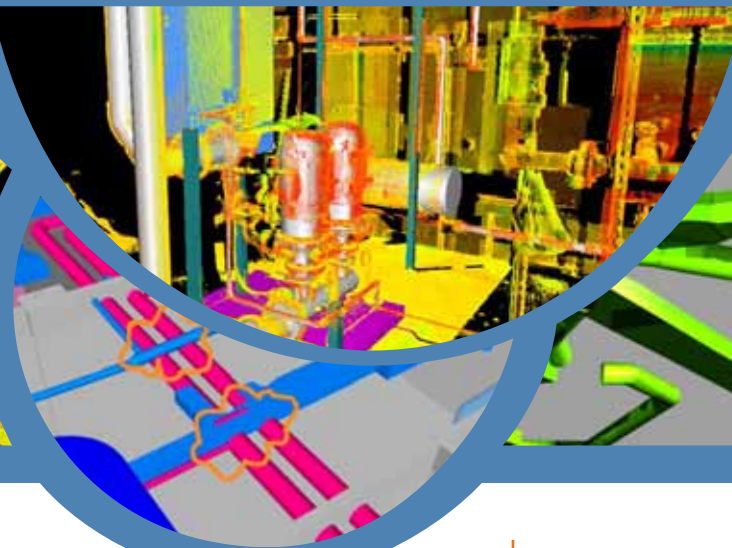
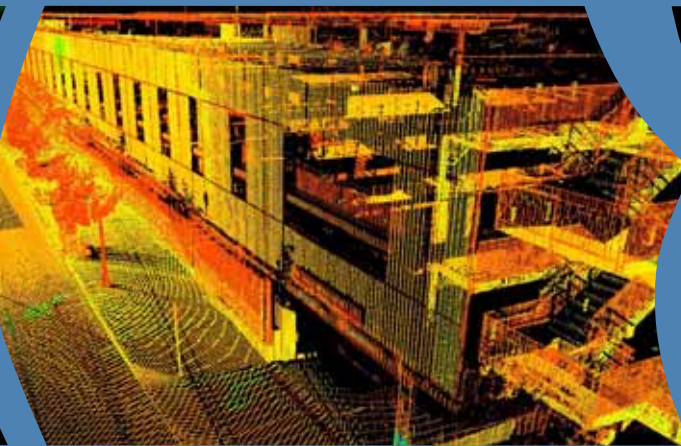


Right: Core surveyors evaluate an upcoming project.

From Top: Bravern, Bellevue WA
• DTM model of pond and grading

Front Cover, From Top:
Blue Star Development, Seattle WA
• Core surveyor on site with our high definition scanner
• Close up scan data of boiler room mechanical





High Definition Scanning

Representing a huge leap forward in remote measurement technology, High Definition Scanning uses an eye-safe laser to quickly generate a dense “cloud” of points. The highly accurate 3-Dimensional data produced by the system can be used by a variety of industries in a number of different formats.

In addition to the speed and accuracy of High Definition Scanning, there are other tangible benefits to using the system, such as flexibility, safety, efficiency and user-friendly deliverables. Benefits that are hard to quantify, such as the security in knowing that important features have not been over-looked.

Fast and Accurate

The newest generation of Leica High Definition Scanners are capable of collecting accurate point data at amazing speeds. Data can be collected at up to 50,000 points per second, delivering individual positional accuracies as low as 4mm.

Point spacing can be set to less than 1mm, creating a 3-Dimensional point cloud with modeled surface precision of 2mm. Maximum effective range is approximately 300m.

Above from Left to Right: Settlement monitoring of bowling alley in West Seattle • Parking Garage and street frontage • Interferences displayed in REVIT • Model and scan data of boiler room mechanical • 3D model of existing HVAC system • Leica Scanstation 2 Laser Scanner.

Flexible

One of the strongest attributes of the High Definition Scanning System is its flexibility. Point cloud density, field-of-view and integrated camera settings can be controlled in the field, allowing the operator to tailor the data collection to the desired product. Associated scanner software packages, including Cyclone and Cloudworx, permit Core’s technicians to communicate with a number of 3rd party applications, including but not limited to:

- REVIT
- AutoCAD
- Microstation
- Rhino
- 3-D Studio Max
- NavisWorks

Give your design an advantage in a world where you have to get it done right and accurate the first time.

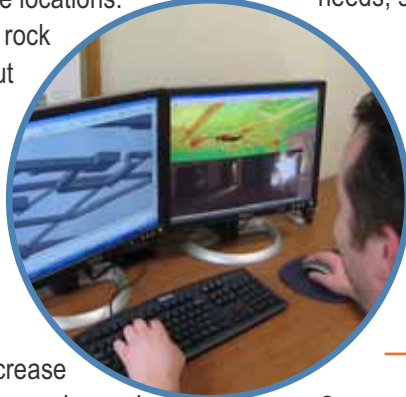


Safety

The High Definition Scanner’s ability to measure objects without the need to physically access them makes it the ideal tool for use in dangerous or inaccessible locations. From busy street intersections to sheer rock faces, surveys can be performed without the need for expensive traffic control or special equipment and training.

Efficiency

There are several aspects of the High Definition Scanning System that can increase efficiency. One, of course, is the phenomenal speed with which it collects data. Another factor is a function of the immediate display of scanned data on the field computer’s screen. This allows the operator to recognize and correct gaps in the data caused by obstructions, eliminating costly return trips. This data can then be reviewed with free internet tools, streamlining communications between the client and Core’s scan team.



Above: A Core surveyor demonstrates the powerful capability to draft and view scan data simultaneously.

Services and Deliverables

Using the High Definition Scanning System, we can provide a service and produce a deliverable that will suit your specific needs, such as:

- 3-D Modeling
- Interference Detection
- Slope/ Rock Face/ Shoring Stability Monitoring
- Topographic Surveys
- Forensic Investigations
- Pond/ Stockpile/ Excavation Volumes
- Historical Preservation Surveys

Core provides High Definition Scanning Services to a diverse clientele--including architects, BIM modeling groups, and construction companies. We have formed field and office work-flows that can contribute to the successful completion of your project.

To learn more about scanning or to schedule a *free* demonstration, please contact:
Ken Shipley
425-885-7877 or email
scan@coredesigninc.com

FAST • SAFE • ACCURATE