

LINK SOFTWARE FACILITATES COMPLETE INTEGRATION OF GAPGUN AND VECTRO LASER MEASUREMENT INTO EXISTING PRODUCTION SYSTEMS

IMPROVE MANUFACTURING AND QUALITY DECISIONS

SYSTEM OVERVIEW:

Link integration enables retrieval of information from the production system about parts to be measured. Point location, nominals, tolerances and CAD information are used to generate works orders. Following measurement with GapGun or Vectro, the results can then be automatically uploaded to the production system database.

BENEFITS:

Design a process that meets your exact requirements

Speed up and simplify your data analysis

Collect more data, with even less operator training

Automate sending measurement data exactly where you need it

Deploy measurement instructions from one central location



FEATURES:

DYNAMICALLY CREATE CHECKPLANS

Use existing production data to generate measurement instructions.



SEAMLESSLY UPLOAD AND DOWNLOAD DATA

Download measurement instructions and upload results directly to production database.



CREATE AUTOMATED MEASUREMENT SYSTEMS

Use Link with Vectro to trigger robotic measurements and retrieve results.



USE PRODUCT BARCODES

Link GapGun and Vectro to a barcode reader, so parts can be scanned to retrieve a linked measurement instruction to initiate inspection.



INTEGRATE WITH INLINE DISPLAYS

Display measurement results on shop floor displays, as the operator measures.



CREATE CUSTOM INTERFACES

User interface can be designed through a third party application to suit your production requirements.



OPTIONAL SOFTWARE MODULE FOR USE WITH:



LINK: DEVELOPMENT

SDK

The Software Development Kit is provided as a NuGet package for easy integration with Visual Studio.



DOCUMENTATION

Documentation is available to your developers to allow them to quickly and easily extend their software for integration with GapGun systems.



SUPPORT

Integration support is available from Third Dimension's Development team.



LINK: SPECIFICATION

COMPATIBLE DATA COLLECTORS	GapGun Pro, GapGun MX+, Vectro
COMPATIBLE SOFTWARE	System software v7
COMPATIBLE SENSOR HEADS	Any VChange sensor head
SUPPORTED OPERATING SYSTEMS	Windows 7-10
SUPPORTED PROGRAMMING LANGUAGES	C#, VB.Net and Managed C++ (C++/CLI)
FUNCTIONS: NETWORKING	Find all data collectors on the network Connect to a data collector
FUNCTIONS: SERVICES	Initiate measurement Subscribe to information about measurements
FUNCTIONS: CONNECTIONLESS	Send an XML works order to a data collector Retrieve an XML works order from a data collector Retrieve results from a works order on a data collector, in a format specified by a template List works orders on a data collector Delete a works order on a data collector Delete results from a works order on a data collector
FUNCTIONS: PROVIDERS (REQUIRES ADDITIONAL LICENCE)	Access 3D point cloud information Implement custom virtual tool
SAMPLE APPLICATIONS	Connectionless API demonstration (C# .NET) Connected API demonstration (C# .NET)

TO LEARN MORE ABOUT HOW GAPGUN LINK CAN BENEFIT YOUR PRODUCTION

Contact sales@third.com or visit <http://www.third.com/products/software/link>

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