



# DataPage+ 5.0

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# New Features and Enhancements

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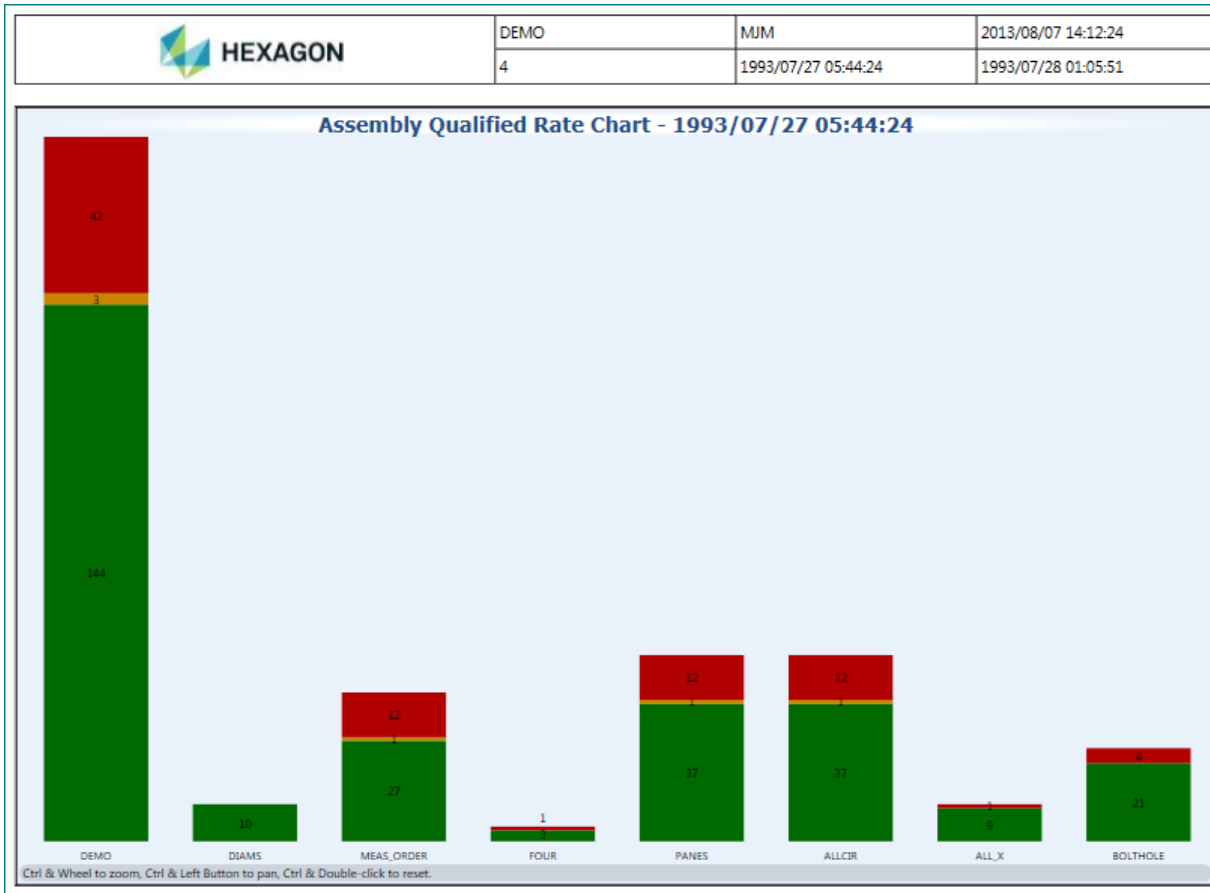
- New Chart Reports
- New Text Report
- New CAD Report
- Customized Excel Report
- DataImporter – Service Option
- Import Directly to Part Category from PC-DMIS
- Support for LMS Licensing

# New Chart Reports

DataPage+ 5.0 introduces three new Chart reports

- Assembly Qualified Rate Chart
- Measurement Deviation Chart
- CII (Continuous Improvement Index) Variation Chart

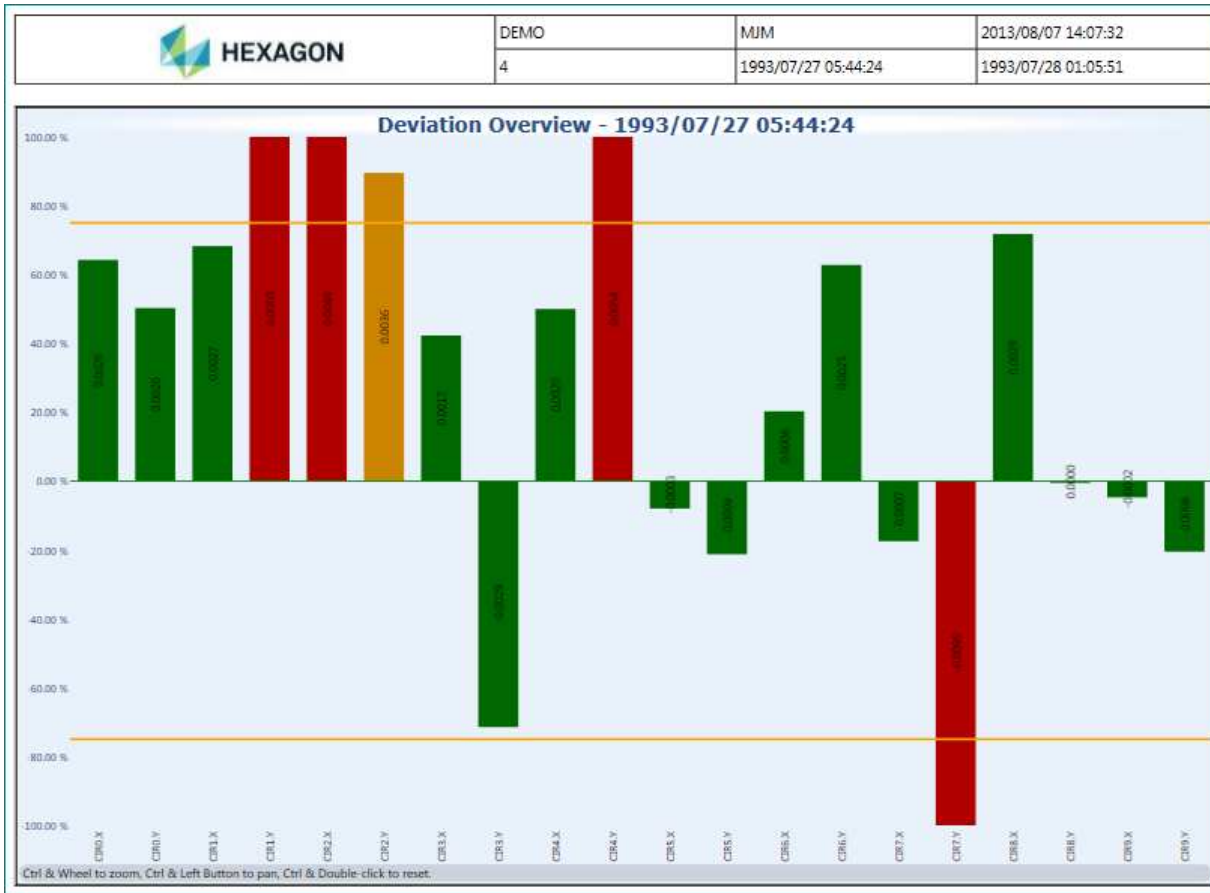
# Assembly Qualified Rate Chart



- Similar to “Qualified Rate Chart”, but able to break out by variable sets.
- Graphical display for all variables within 75% tolerance (green), between 75% and 100% tolerance (yellow), and out of tolerance (red).

- Cumulative tolerance values for all selected variable sets.
- Tolerance values for each selected variable set.

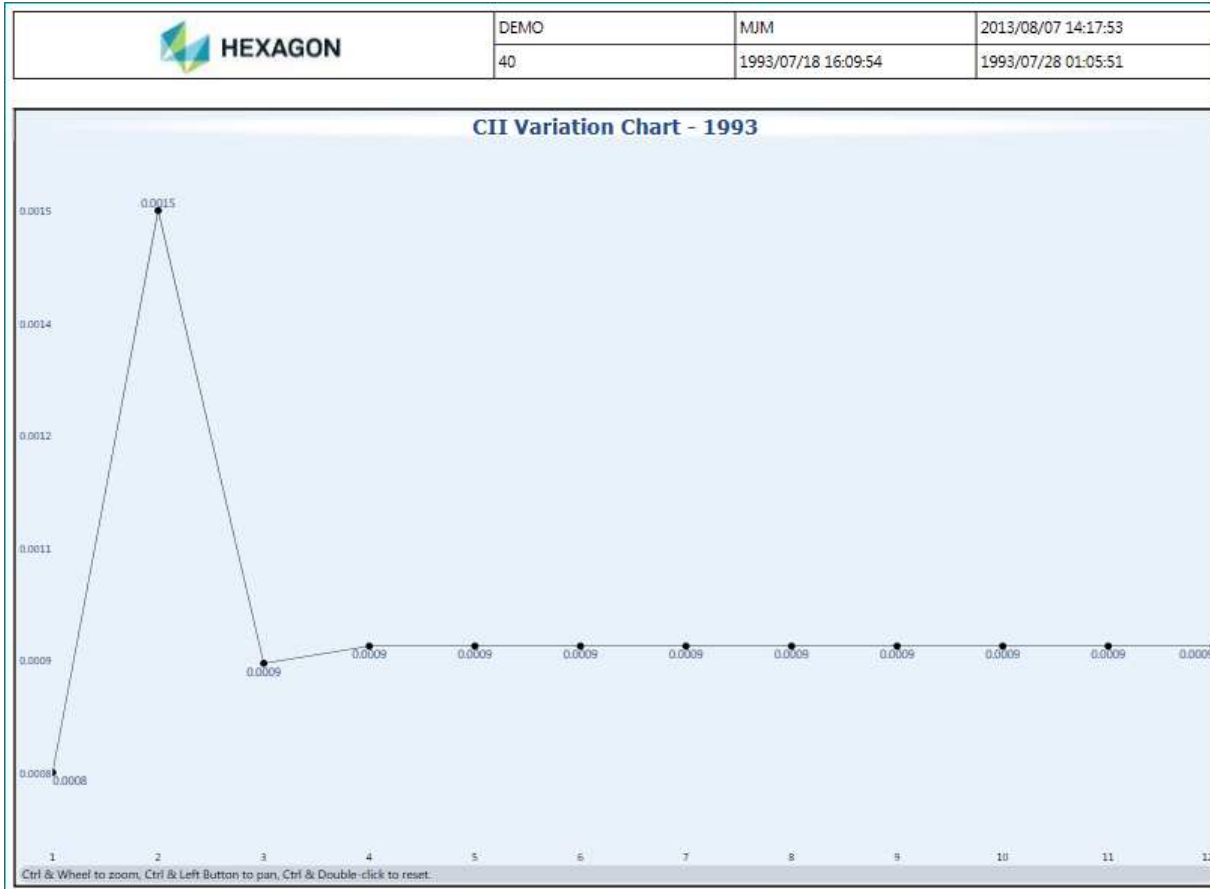
# Measurement Deviation Chart



- Displays deviation trends with color coded tolerance indicators.
- Graphical display for all variables within 75% tolerance (green), between 75% and 100% tolerance (yellow), and out of tolerance (red).

- The longer the bar, the greater the measurement deviation from nominal.

# CII (Continuous Improvement Index) Variation Chart



- Displays deviation trend over a year-long time period.
- Calculates Six Sigma of all dimensions with measured data, per month.

- Sigma value at 95% observed as CII value.




# New Text Report

DataPage+ 5.0 introduces one new Text report

- NG Details Report

# NG Details Report

		DEMO	MJM	2013/08/07 14:31:38
		10	1993/07/25 16:03:09	1993/07/28 01:05:51

Index	Dimension	NG Count	Percent	TOP10
1	L1670658.T	30	100%	TOP1
2	L1670828.T	30	100%	TOP2
3	L1670828.Z	30	100%	TOP3
4	L1670908.Y	30	100%	TOP4
5	L1671028.Y	30	100%	TOP5
6	L947212W.T	30	100%	TOP6
7	L947212W.Y	30	100%	TOP7
8	L947215W.T	30	100%	TOP8
9	L947215W.Y	30	100%	TOP9
10	L947230W.Y	30	100%	TOP10
11	L947275W.Z	30	100%	
12	L1670108.T	29	97%	
13	L1670108.X	29	97%	
14	L1671008.Y	29	97%	
15	L947245W.Y	29	97%	
16	L947280W.Z	29	97%	
17	L1670648.T	28	93%	
18	L1670908.Z	28	93%	
19	L947144AA.T	28	93%	
20	L947144AA.Y	28	93%	
21	L947275W.Y	28	93%	
22	L947095AA.X	27	90%	
23	L947277W.Y	27	90%	
24	L1670648.Y	26	87%	
25	L1670658.Y	26	87%	
26	L947139AA.T	26	87%	
27	L947280W.Y	26	87%	

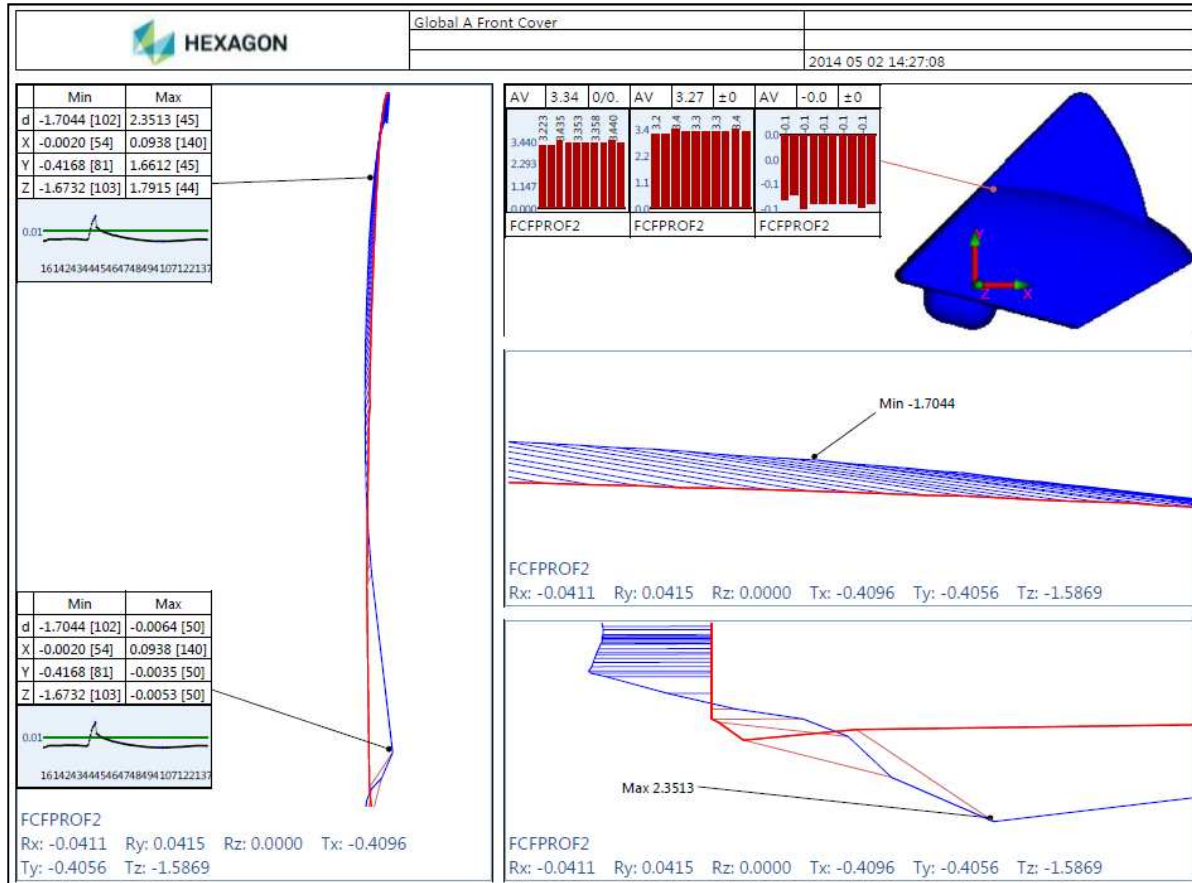
- Displays ranking for each selected dimension, sorted based on highest percent out of tolerance.
- Highlights Top 10 (lowest tolerance percent).

# New CAD Report

DataPage+ 5.0 introduces one new CAD report

- Profile Report (Graphical Analysis Control)

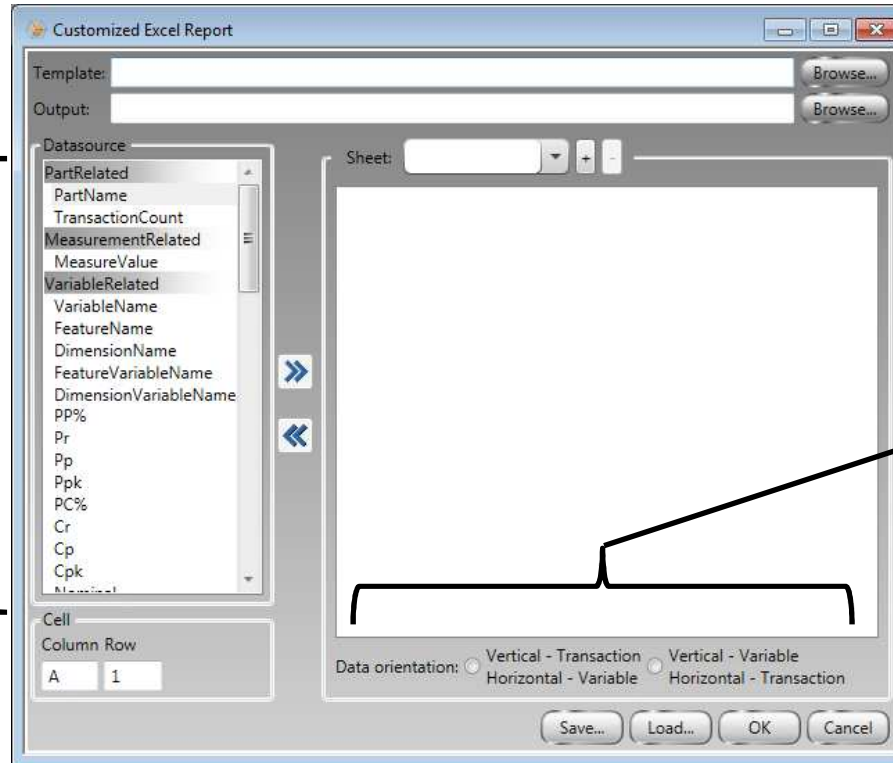
# Profile Report (Graphical Analysis Control)



- Provides flexible and customizable Best-Fit options.
- Built on WPF technology, so images are scalable, while maintaining high resolution.

# Customized Excel Report

Datasource elements are grouped.

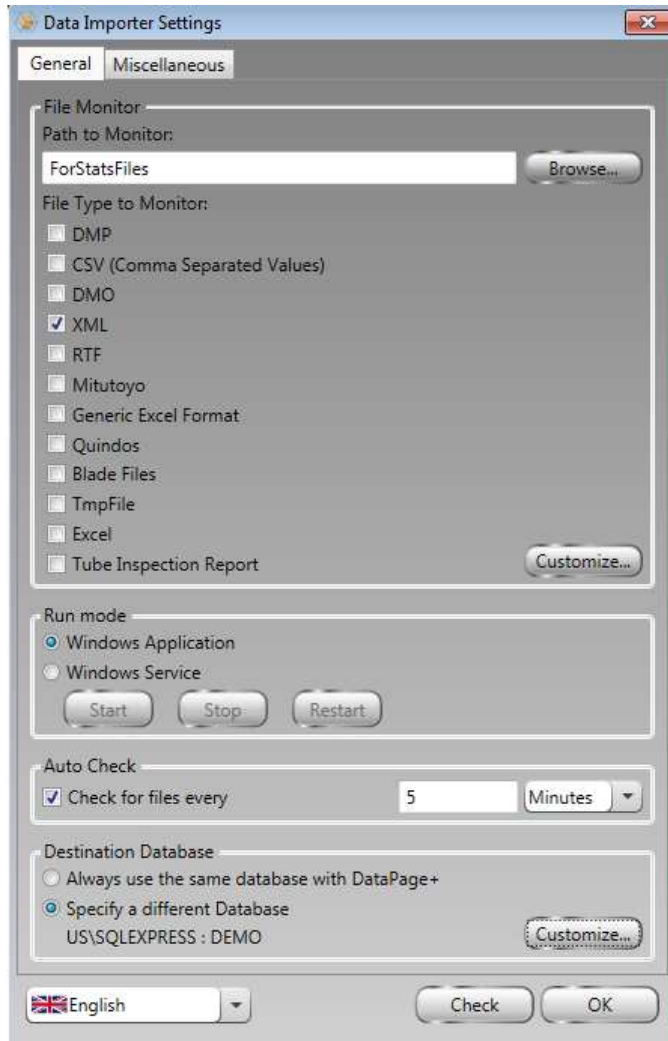


You now can report variables and transactions in different directions than in prior versions.

In prior versions, you could only report up to 30 measured values. Now, you can report all measured values.

More variables and trace fields available.

# Data Importer – Service Option

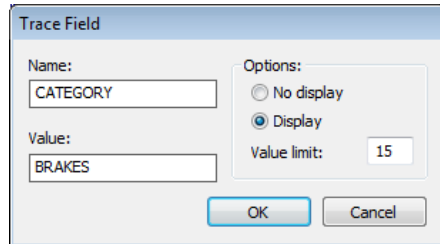


The new “Windows Service” option configures DataImporter to run as a Windows Service.

When the machine is restarted, the DataImporter service restarts. This ensures you do not have to remember specifically to start DataImporter when your machine fails.

The “Windows Application” option still exists.

# Import Directly to DataPage+ Part Category from PC-DMIS



The 'Trace Field' dialog box has the following fields and options:

- Name: CATEGORY
- Value: BRAKES
- Options:  No display,  Display
- Value limit: 15
- Buttons: OK, Cancel

Allow your operators to view their parts automatically without having the DataPage+ Administrator move them to the operator category.

```
EXTERNALCOMMAND/NO_DISPLAY, WAIT ;  
ASSIGN/PART_NUMBER=GETTEXT(191,0,"FILEHDR")  
TRACEFIELD/DISPLAY,LIMIT=15 ; CATEGORY : BRAKES  
ASSIGN/PART_REVISION=GETTEXT(192,0,"FILEHDR")  
ASSIGN/PART_OPERATION=GETTEXT(193,0,"FILEHDR")  
ASSIGN/PART_TIMESTAMP=CONCAT(SYSTEMDATE("yyMMdd"), "_", SYSTEMDATE("yyMMdd"))
```

In your PC-DMIS part program, add the tracefield, "CATEGORY", then enter the category name as the value.

When the part program completes, the part data will be added to that part category in DataPage+ automatically.



# Support for LMS Licensing

DataPage+ 5.0 supports LMS licensing as well as portlock licensing.







# System Requirements

# System Requirements

## Hardware

- 1 GHz (or faster) 32-bit (x86) or 64-bit (x64) processor
- 1 GB RAM (32-bit) or 2 GB RAM (64-bit)
- 8 GB available disk space (32-bit) or 12 GB available disk space (64-bit)
- Optical DVD drive

## Additional Requirement for DataView+ Module

- DirectX 9 graphics processor

## Language Support

English	French	German
Hungarian	Italian	Japanese
Korean	Polish	Portuguese
Russian	Simplified Chinese	Spanish
Swedish	Traditional Chinese	Turkish

## Compatibility

- Works with PC-DMIS version 3.7 (or higher); optimized for PC-DMIS 2013 MR1.



# Installing DataPage+ 5.0

## Installing DataPage+ 5.0

- Install DataPage+ 5.0 FULL (Including Prerequisite Components)
- Attach Database to SQL Server 2008 Express
- Start DataPage+ 5.0 and Connect to Database

# Install DataPage+ 5.0 Full (Including Components)

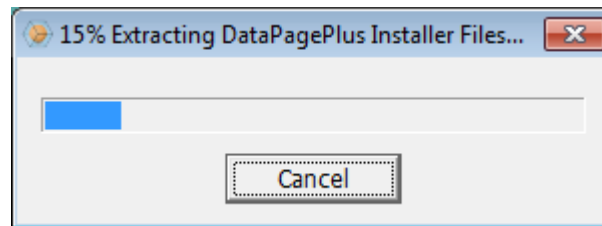
## Overview

The DataPage+ 5.0 FULL package includes the following components:

- Microsoft SQL Server 2008 R2 Express
- Microsoft .NET Framework 4 (x86 and x64)
- Microsoft Visual C++ 2010 Runtime Libraries (x86)
- Microsoft Visual C++ 2012 Runtime Libraries (x86)
- CLM Tools (x86)
- DataPage+ 5.0
- Microsoft SQL Server Management Studio 2008

## Start the Installation

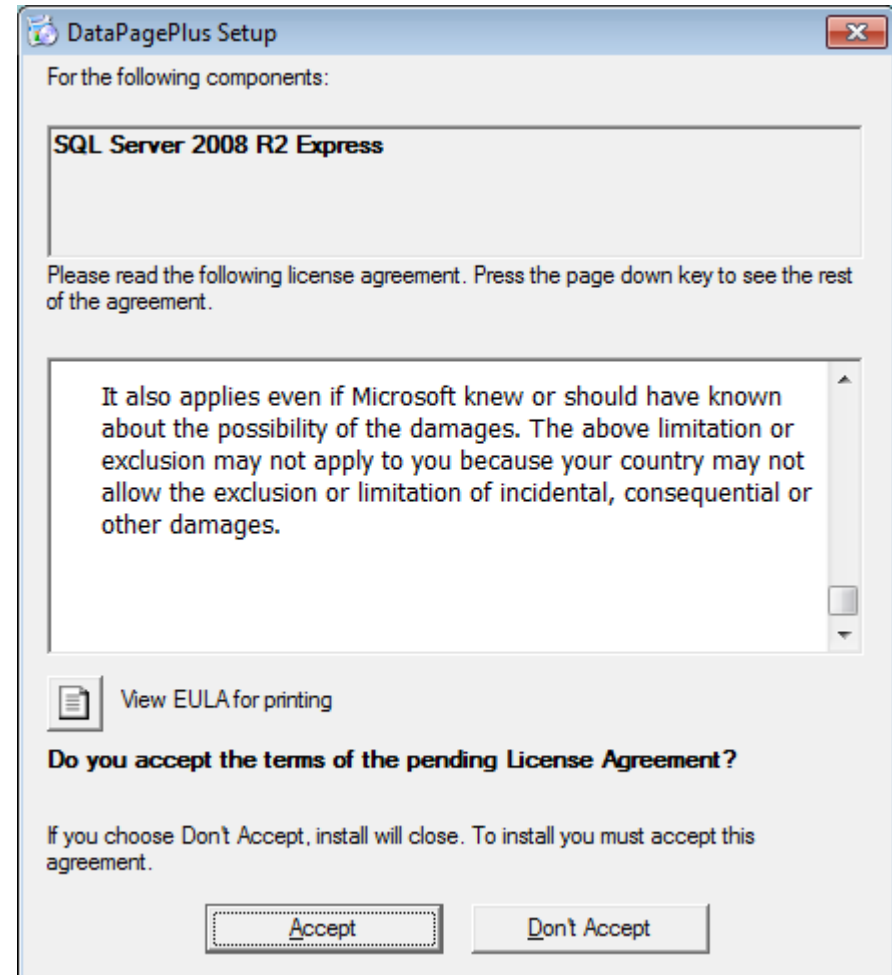
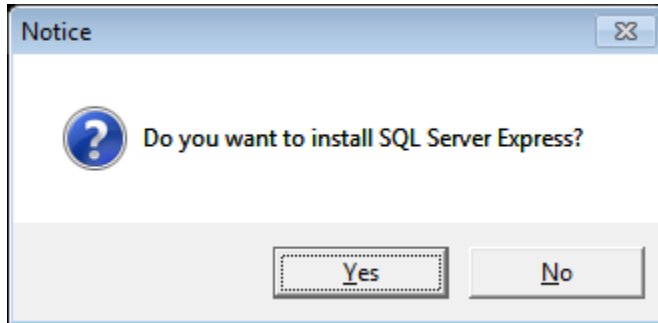
If you are installing from the downloaded “FULL” .zip package, extract the package contents to a folder on your machine’s hard drive. Then, open that folder. If you are installing from a CD/DVD, open the root file folder. Right-click the “**setup.exe**” file, and then select “**Run as administrator**”. DataPage+ 5.0 first searches for prerequisite components. If a component is not found, the installer attempts to install it.



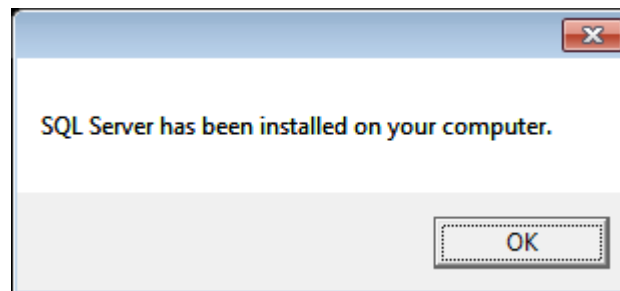
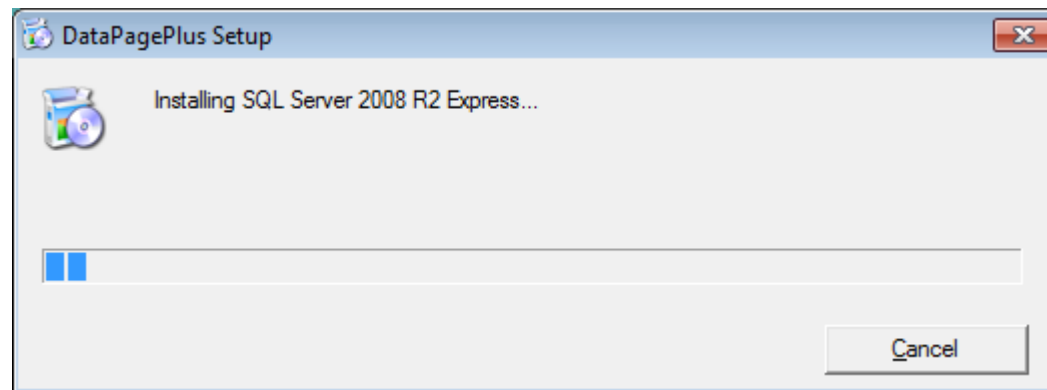
# Install DataPage+ 5.0 Full (Including Components)

## SQL Server 2008 R2 Express

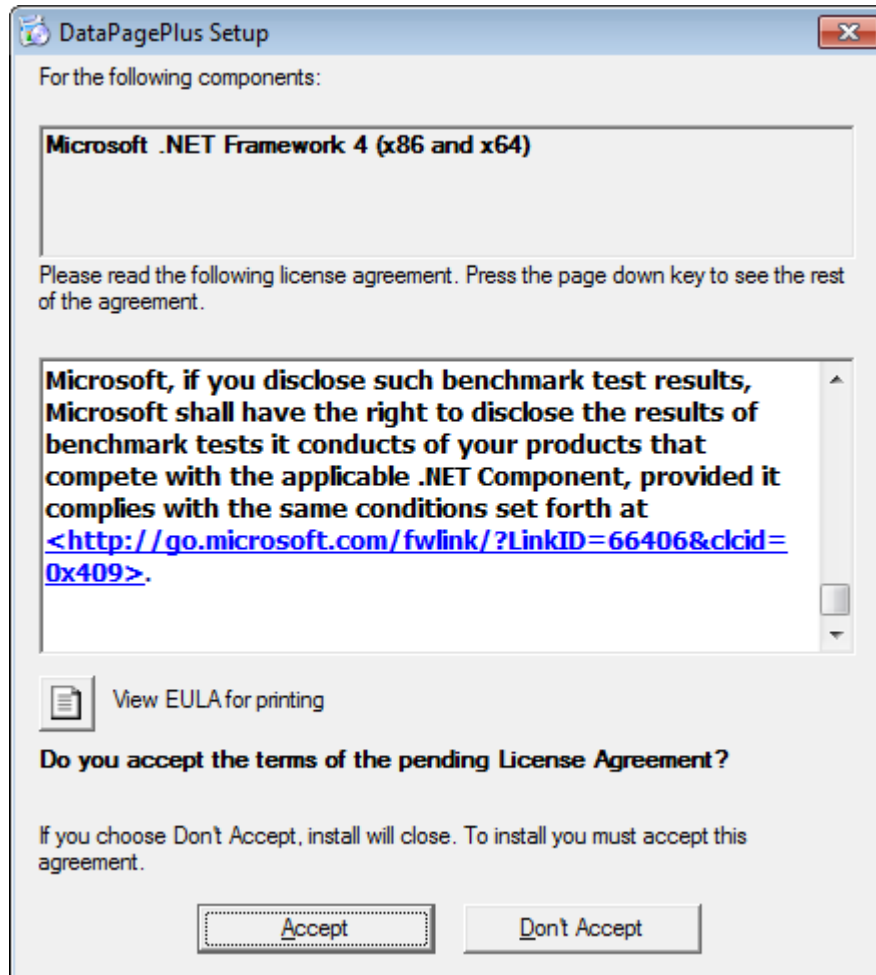
- During the DataPage+ 5.0 installation, it prompts the user if s/he wants to install SQL Server 2008 R2 Express. If the user clicks “Yes”, it will attempt to install it during this step.
- An End User License Agreement (EULA) appears. Click **Accept** to accept the terms of the EULA.
- The installer continues to install SQL Server 2008 R2 Express. When complete, the EULA goes away, and the DataPage+ 5.0 installation continues to the next step.



# Install DataPage+ 5.0 Full (Including Components)

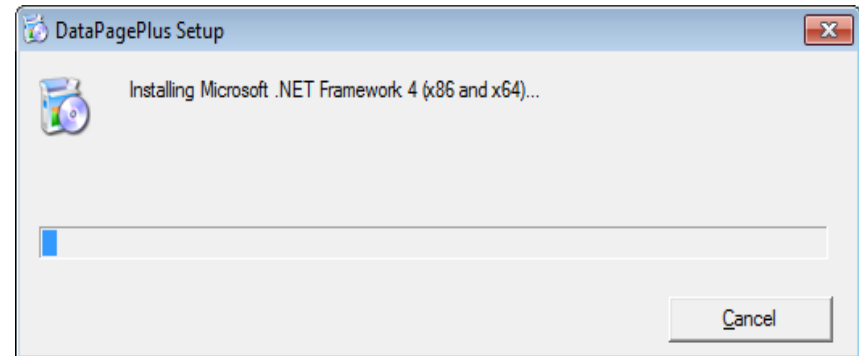


# Install DataPage+ 5.0 Full (Including Components)



## Microsoft .NET Framework 4 (x86 and x64)

- During the DataPage+ 5.0 installation, if it detects that .NET 4 is not installed, it will attempt to install it during this step. An End User License Agreement (EULA) appears. Click **Accept** to accept the terms of the EULA.
- The installer continues to install the .NET Framework component. When complete, the EULA goes away, and the DataPage+ 5.0 installation continues to the next step.





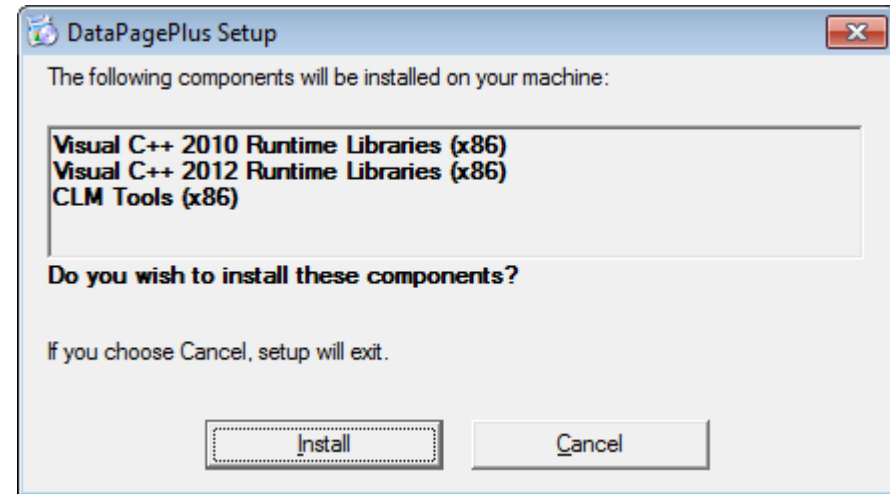
# Install DataPage+ 5.0 Full (Including Components)

**Microsoft Visual C++ 2010 Runtime Libraries (x86)**

**Microsoft Visual C++ 2012 Runtime Libraries (x86)**

**CLM Tools (x86)**

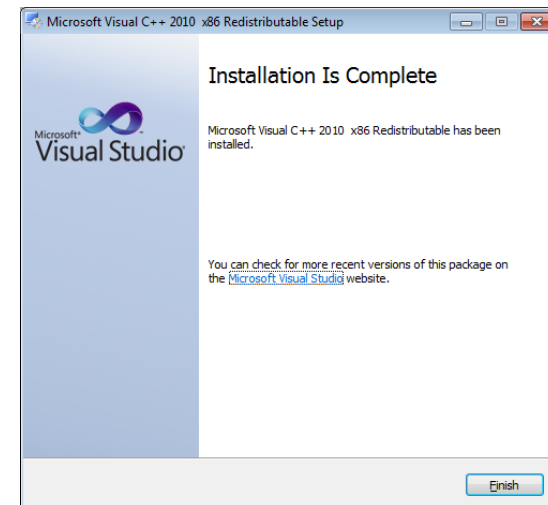
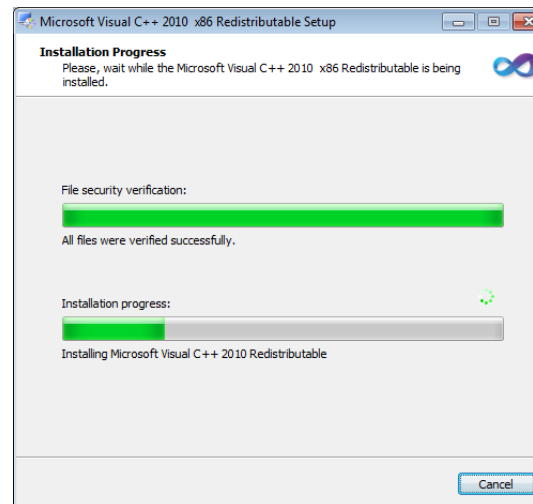
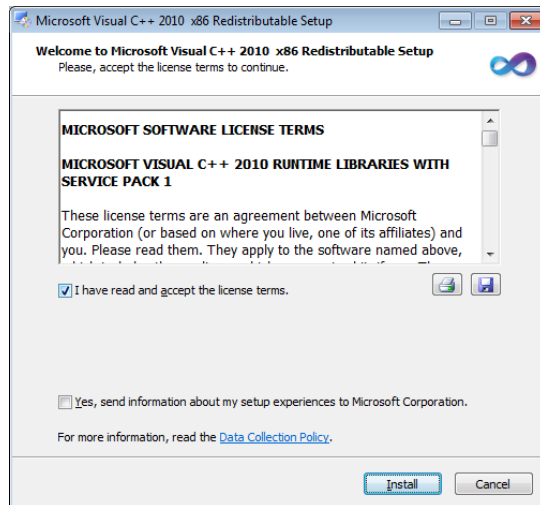
- During the DataPage+ 5.0 installation, if it detects that one or more of these components are not installed, it will attempt to install the missing component(s) during this step. An End User License Agreement (EULA) appears. Click **Accept** to accept the terms of the EULA.



# Install DataPage+ 5.0 Full (Including Components)

## Microsoft Visual C++ 2010 Runtime Libraries (x86)

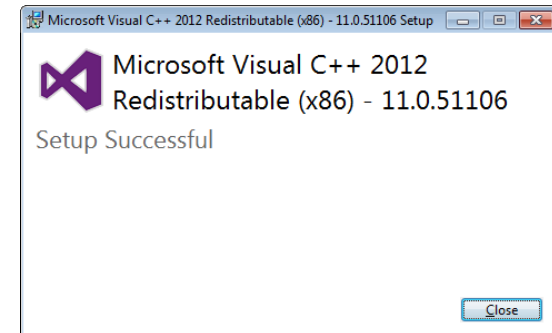
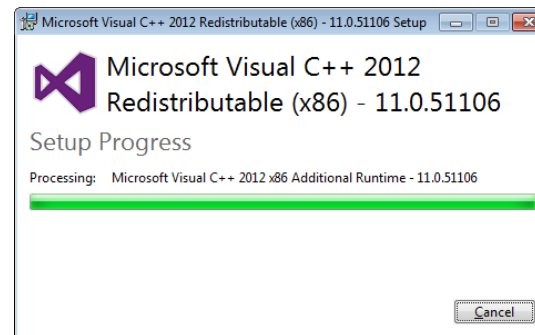
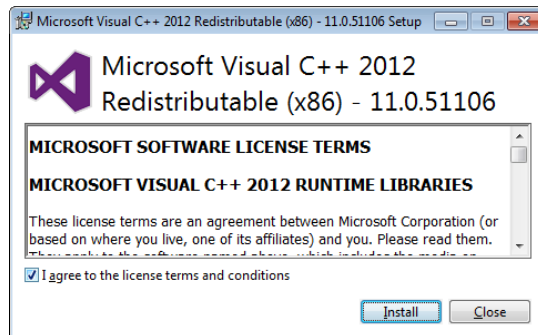
- During the DataPage+ 5.0 installation, if it detects that the Microsoft Visual C++ 2010 Runtime Libraries (x86) component (RTL) is not installed, it will attempt to install it during this step. An End User License Agreement (EULA) appears. Check the box and then click **Install** to accept the terms of the EULA and continue the installation.
- The installer continues to install the RTL component. When complete, click **Finish** at the Installation Is Complete window. The DataPage+ 5.0 installation continues to the next step.



# Install DataPage+ 5.0 Full (Including Components)

## Microsoft Visual C++ 2012 Runtime Libraries (x86)

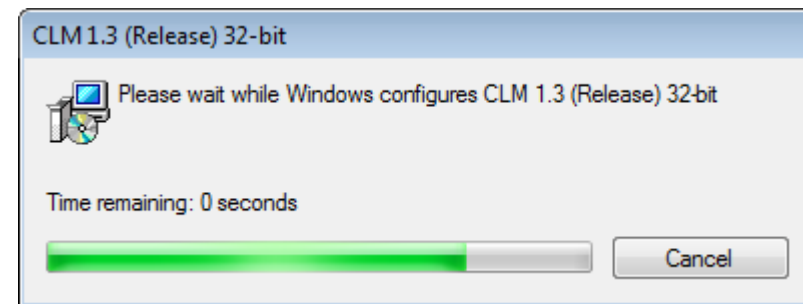
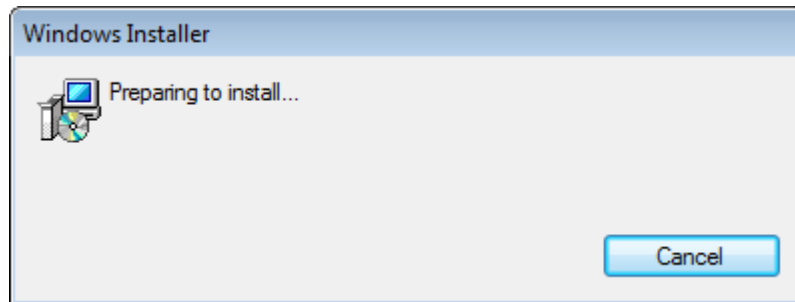
- During the DataPage+ 5.0 installation, if it detects that the Microsoft Visual C++ 2012 Runtime Libraries (x86) component (RTL) is not installed, it will attempt to install it during this step. An End User License Agreement (EULA) appears. Check the box and then click **Install** to accept the terms of the EULA and continue the installation.
- The installer continues to install the RTL component. When complete, click **Close** at the Setup Successful window. The DataPage+ 5.0 installation continues to the next step.



# Install DataPage+ 5.0 Full (Including Components)

## CLM Tools (x86)

- During the DataPage+ 5.0 installation, if it detects that the CLM Tools (x86) component (CLM) is not installed, it will attempt to install it during this step. An End User License Agreement (EULA) appears. Check the box and then click **Install** to accept the terms of the EULA and continue the installation.
- The installer continues to install the CLM component. When complete, the installer goes away and the DataPage+ 5.0 installation continues to the next step.



# Install DataPage+ 5.0 Full (Including Components)

## DataPage+ 5.0

- During the DataPage+ 5.0 installation, if it detects that DataPage+ 5.0 is not installed, it will attempt to install it during this step.
- You will be prompted to install via HASP or LMS license. To use a HASP (portlock), click **HASP**. To use an LMS license, click **LMS**. Then, click **Next**.
- Refer to the PC-DMIS LMS support page and documentation for installing DataPage+ 5.0 using LMS licensing.
- You must first sign up and login to view the pages and documents.

<http://support.hexagonmetrology.us>



## How to Install using NODE locked LMS licenses

<http://support.hexagonmetrology.us/link/portal/16101/16131/Article/702/How-to-install-using-NODE-Locked-LMS-licenses>

## What is needed to install, activate, and use LMS floating licenses

<http://support.hexagonmetrology.us/ics/support/kbAnswer.asp?questionID=666>

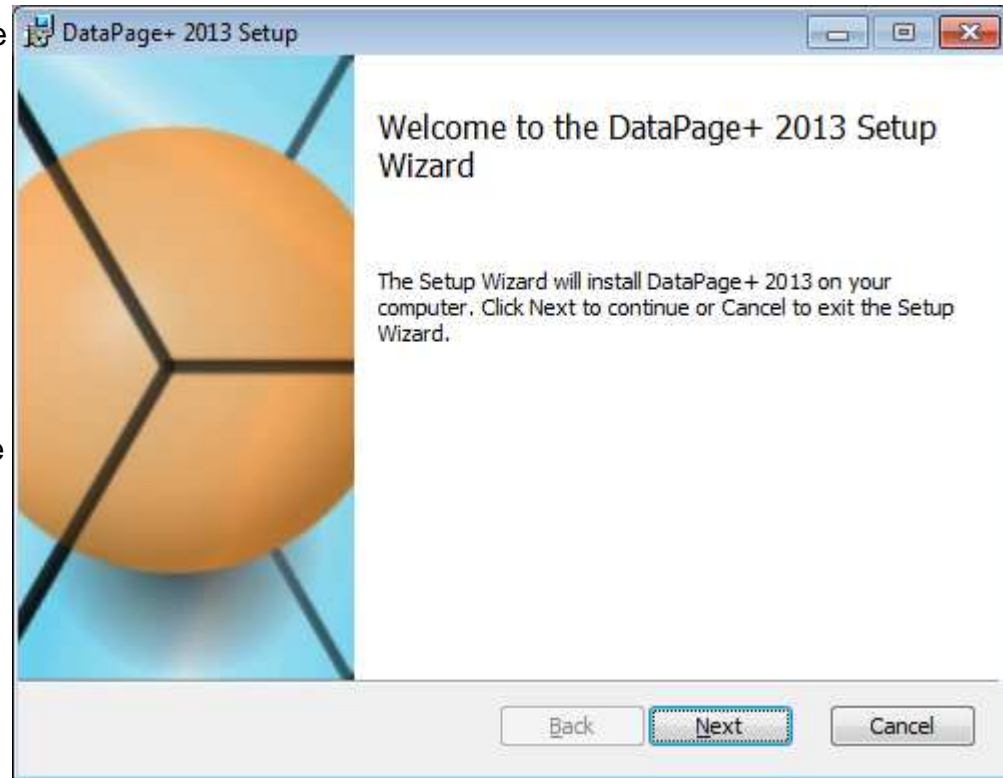
## LMS network license server setup instructions

<http://support.hexagonmetrology.us/ics/support/DLRedirect.asp?fileNum=728&deptID=16131>

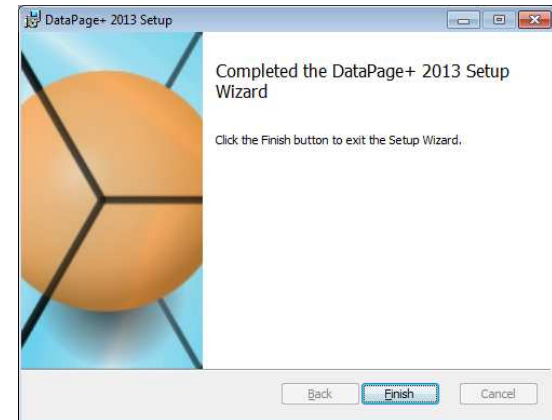
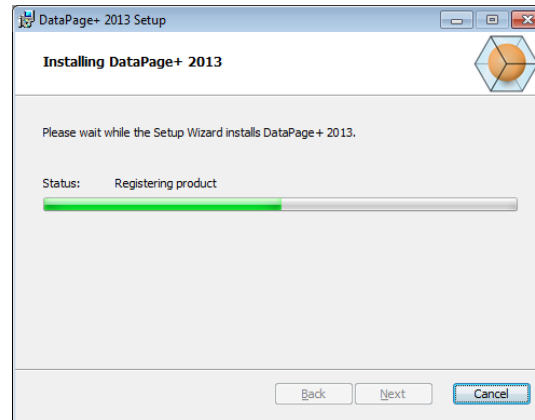
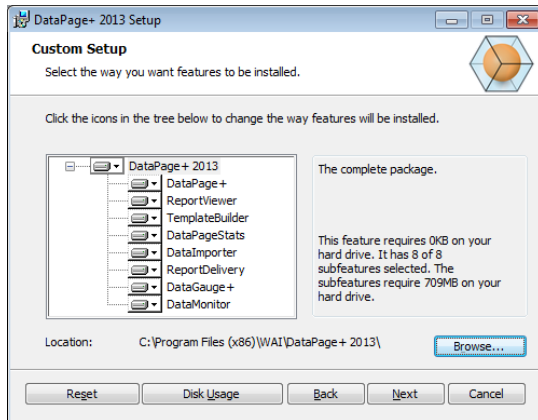
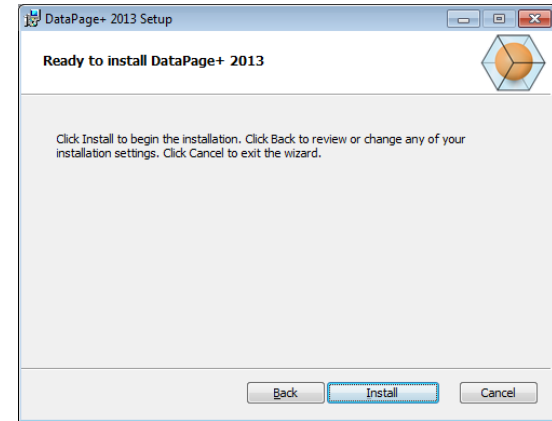
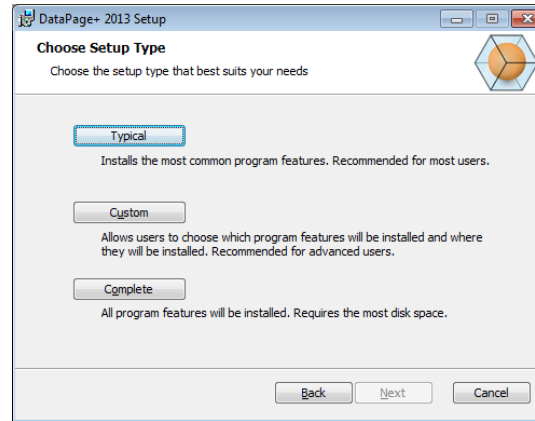
# Install DataPage+ 5.0 Full (Including Components)

## DataPage+ 5.0

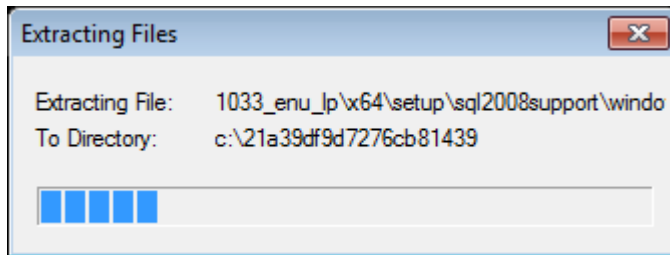
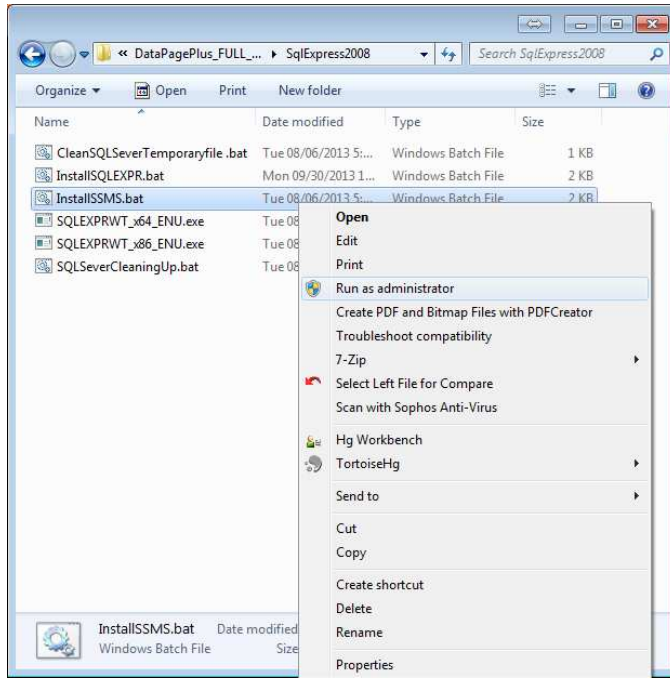
- An End User License Agreement (EULA) appears. Check the box and then click **Next** to accept the terms of the EULA and continue the installation.
- Choose your setup type.
  - **Typical** – Installs the most common program features. This is recommended for most users.
  - **Custom** – Allows users to choose which program features will be installed and where they will be installed. This is recommended for advanced users.
  - **Complete** – All program features will be installed in the default directory. This requires the most disk space.
- Click **Install** to install DataPage+ 5.0 under the selected setup type.
- The installer continues to install DataPage+ 5.0. When complete, click **Finish** at the Setup window.



# Install DataPage+ 5.0 Full (Including Components)

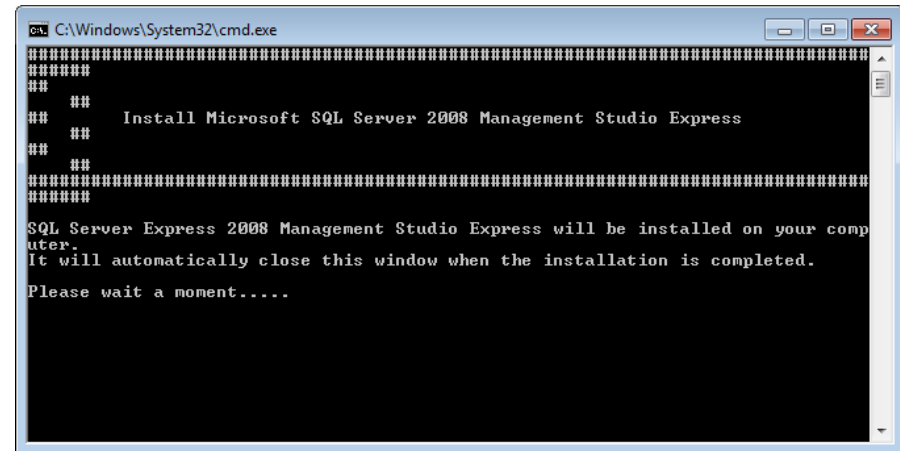


# Install DataPage+ 5.0 Full (Including Components)



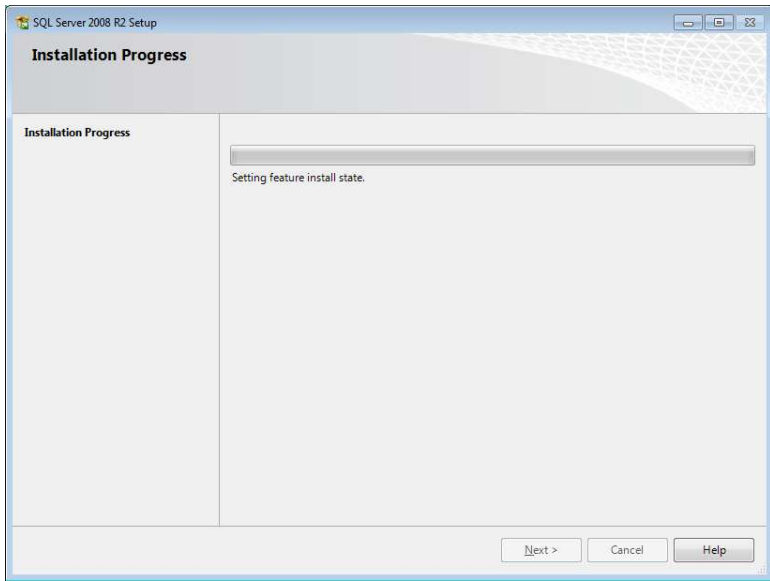
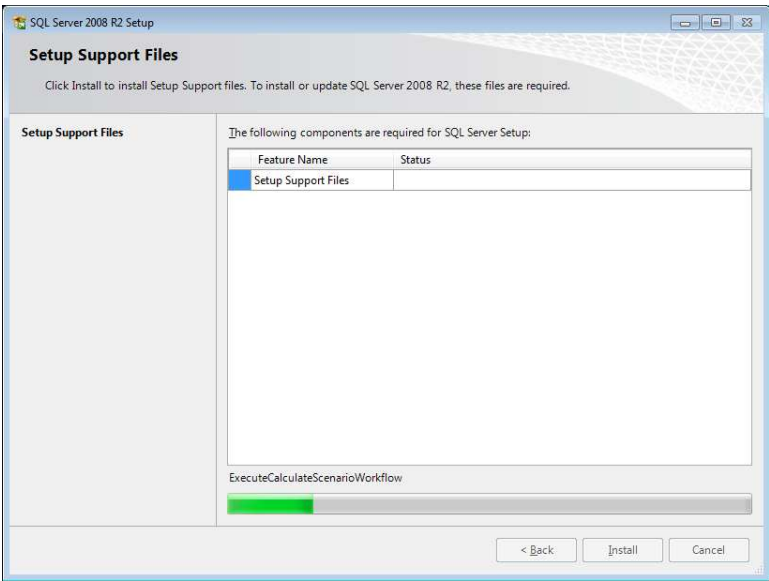
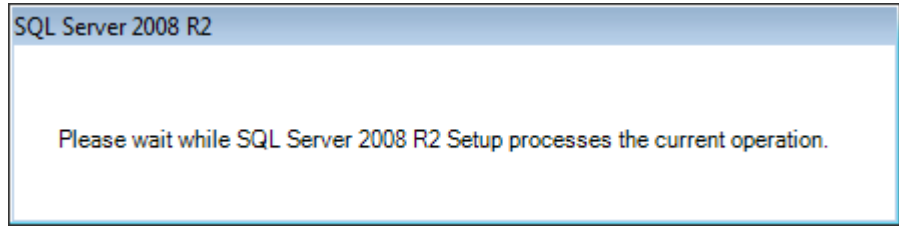
## Microsoft SQL Server Management Studio 2008

- Open the **SqlExpress2008** folder in the installation package. Right-click the file **InstallSQLSSMS.bat** and click **Run as Administrator**. This opens a Windows command window and executes the script. The script installs SQL Server Management Studio 2008 using defaults for all prompt values. This means that you do not have to manually answer prompts in the standard wizard interface. Go get a 2<sup>nd</sup> cup of coffee, and when you come back, SQL Server Management Studio is installed!





# Install DataPage+ 5.0 Full (Including Components)





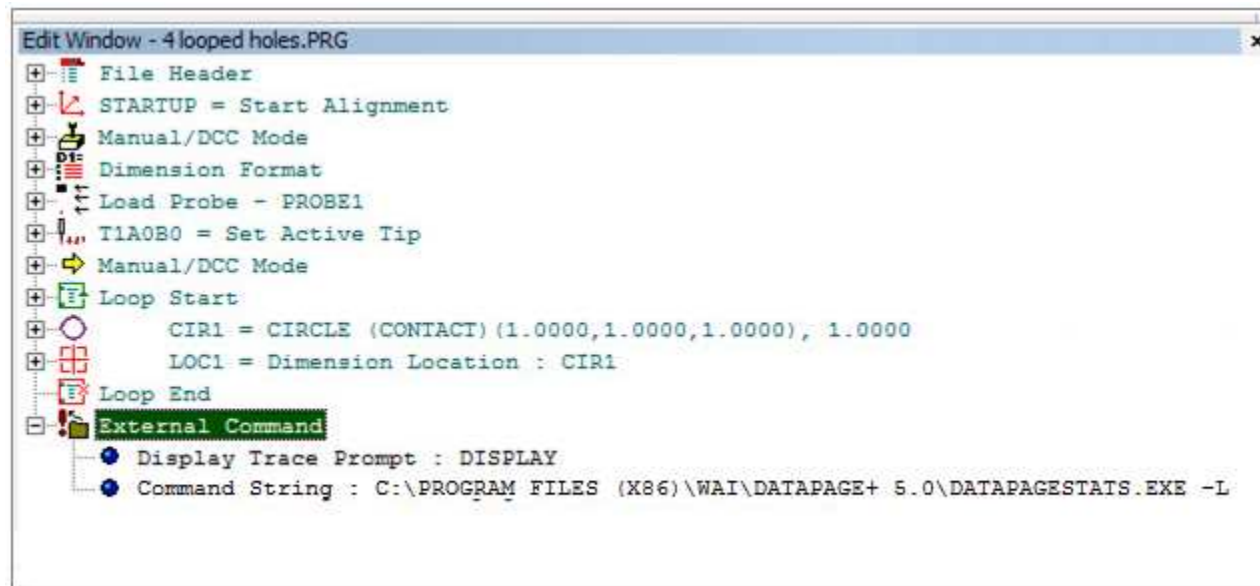
# Collecting Data with PC-DMIS

# Collecting Data with PC-DMIS

## Using DataPageStats.exe

Working Modes:

*ReceiveALL* – This is the default working mode. An external command is inserted at the END of the PC-DMIS part program as shown below. Loops are considered separate transactions, turn loop ID's off.



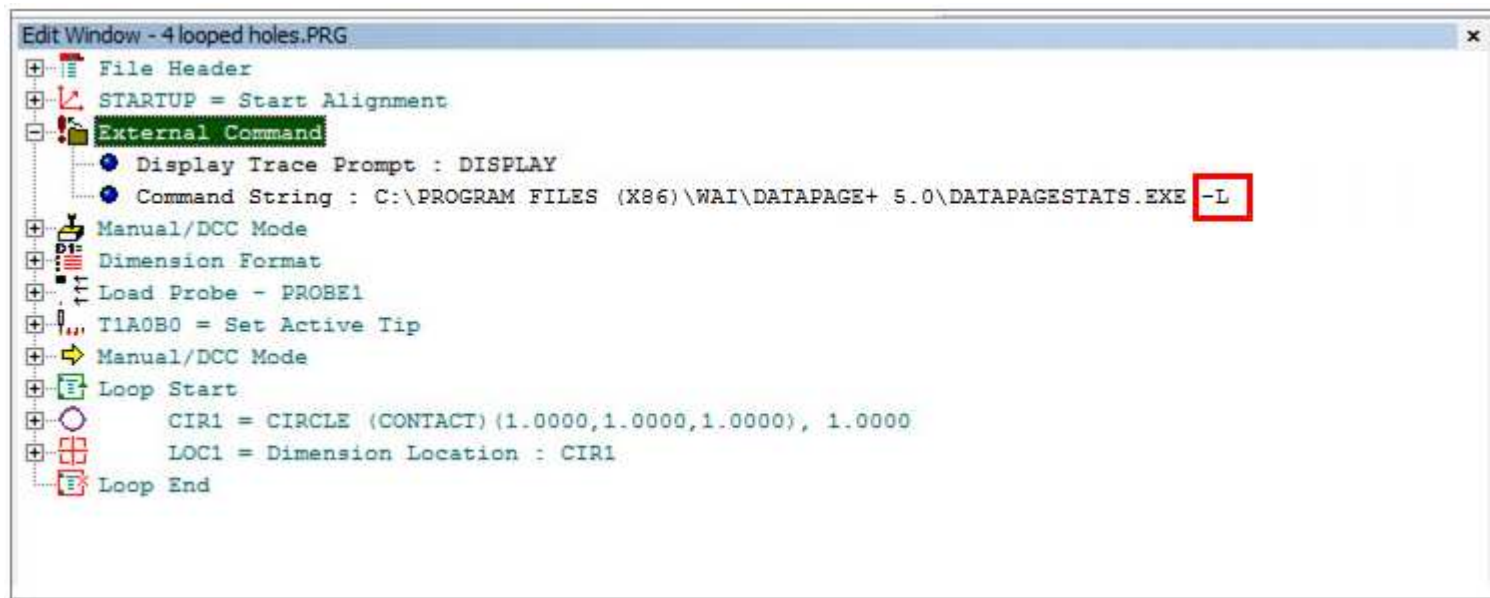
```
File Header
STARTUP = Start Alignment
Manual/DCC Mode
Dimension Format
Load Probe - PROBE1
T1A0B0 = Set Active Tip
Manual/DCC Mode
Loop Start
  CIR1 = CIRCLE (CONTACT) (1.0000,1.0000,1.0000), 1.0000
  LOC1 = Dimension Location : CIR1
Loop End
External Command
  Display Trace Prompt : DISPLAY
  Command String : C:\PROGRAM FILES (X86)\WAI\DATAPAGE+ 5.0\DATAPAGESTATS.EXE -L
```

# Collecting Data with PC-DMIS

## Using DataPageStats.exe

Working Modes:

*Listening* – This mode runs as a background application, listening to the PC-DMIS execution events. This mode is recommended for reducing cycle time because it creates the XML file while the program is running instead of all at once at the end. An External Command is inserted at the START of the PC-DMIS part program with a **-listening** parameter as shown below. Loops are considered separate transactions, turn loop ID's off.



```
Edit Window - 4 looped holes.PRG
+ File Header
+ STARTUP = Start Alignment
+ External Command
  + Display Trace Prompt : DISPLAY
  + Command String : C:\PROGRAM FILES (X86)\WAI\DATAPAGE+ 5.0\DATAPAGESTATS.EXE -L
+ Manual/DCC Mode
+ Dimension Format
+ Load Probe - PROBE1
+ T1AOB0 = Set Active Tip
+ Manual/DCC Mode
+ Loop Start
+ CIR1 = CIRCLE (CONTACT) (1.0000,1.0000,1.0000), 1.0000
+ LOC1 = Dimension Location : CIR1
+ Loop End
```

# Collecting Data with PC-DMIS

## Using DataPageStats.exe

Parameters:

No parameters

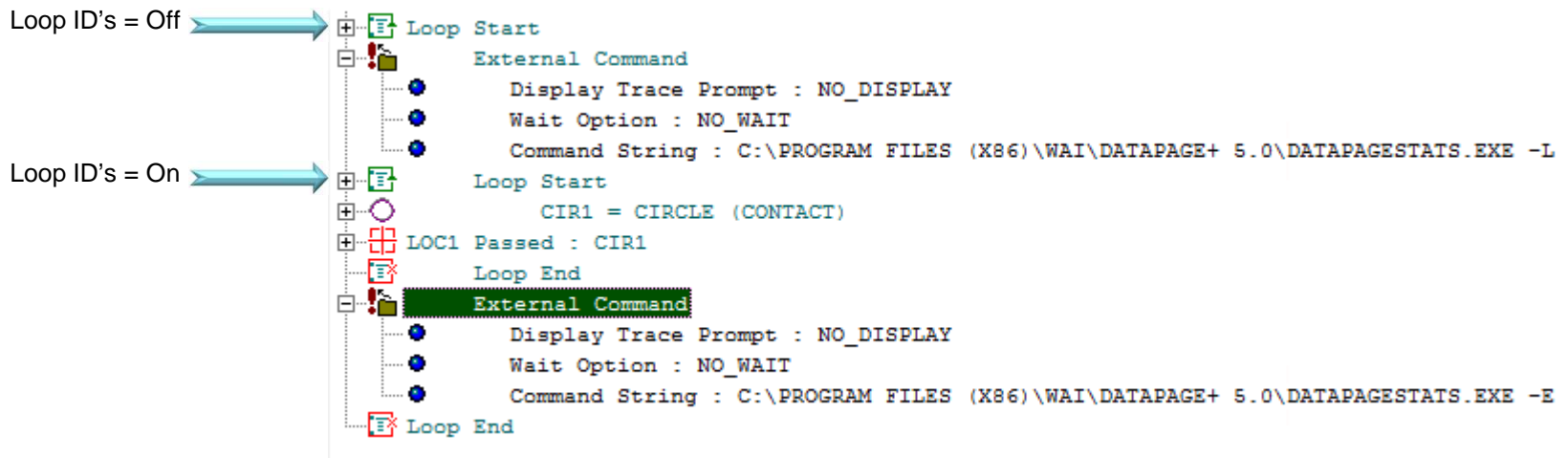
This starts DataPageStats in the default ReceiveAll mode, as described above.

**-l or -listening**

This starts DataPageStats in listening mode, as described above.

**-e or -end**

In conjunction with **listening** mode, this ends the previous DataPageStats instance. This parameter provides control when loops should not be considered as separate transactions. The example below produces 2 transactions with 4 location dimensions in each transaction.



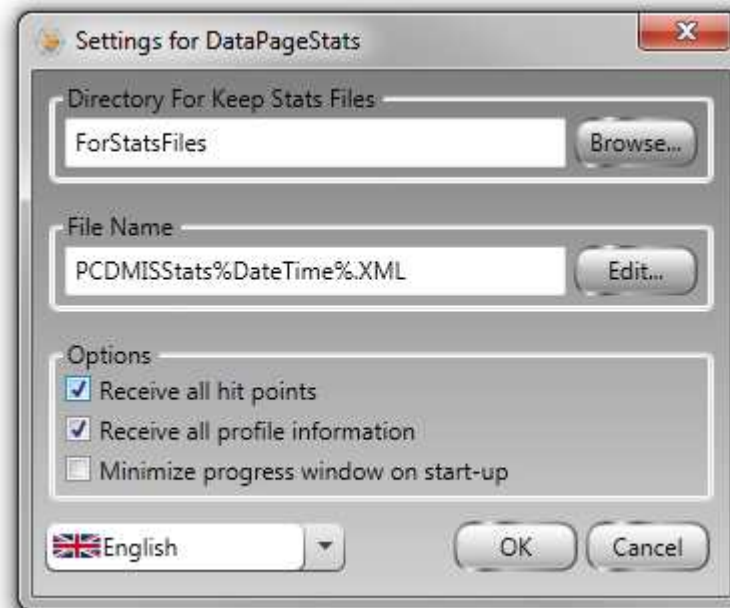
# Collecting Data with PC-DMIS

## Using DataPageStats.exe

Parameters:

### **-s or -settings**

This displays the settings dialog box. The settings dialog box is also accessed from the Start menu by navigating to **Start | All Programs | DataPage+ 5.0 | Tools | Settings for DataPageStats**.



### **-r or -reset**

This abandons the XML data being gathered and continues gathering data on the following command.

# Collecting Data with PC-DMIS

## Using DataImporter.exe

The DataImporter.exe tool monitors a specified directory on a local computer or a network for these types of files: DMP, CSV, DMO, XML, RTF, Mitutoyo text, Generic Excel Format, Quindos, Blade (BSF), Temporary File (Tmp), Excel (XLS), or Romer Measurement Report (html).

Data Importer uses a defined interval to read the data from the monitored file(s) and import that data into the database defined in **Destination Database**.

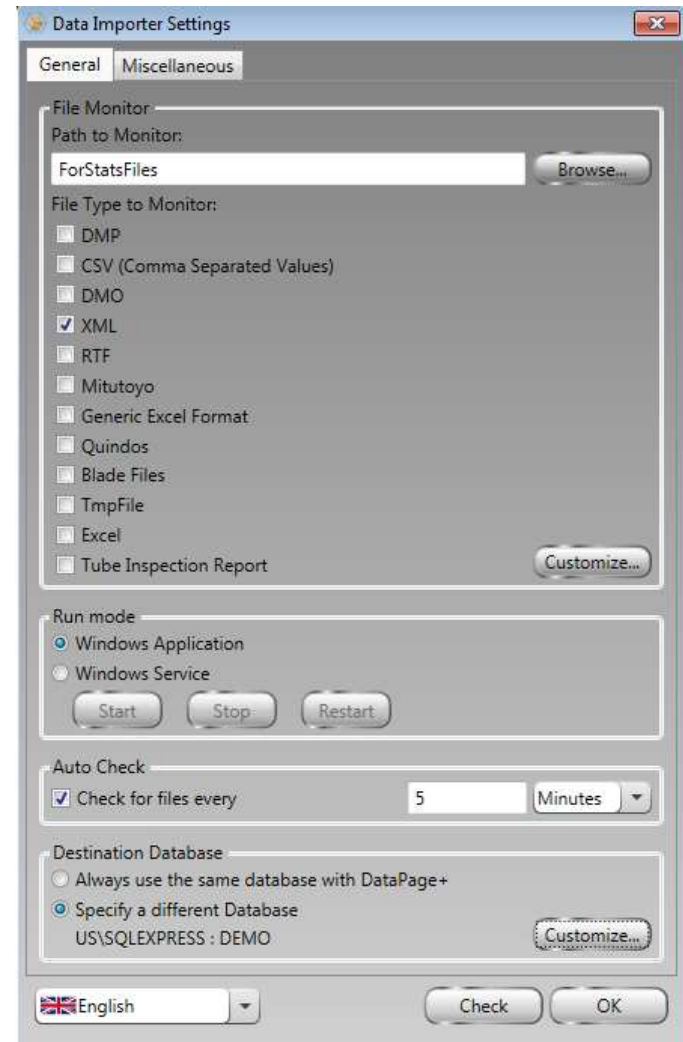
You can re-access the database at any time inside DataPage+ to get at the new data by using the **Refresh** icon.

This tool resides in the directory where you installed DataPage+. To use it, run DataImporter.exe, fill out the resulting dialog box, and then either click the **Check** button to check the monitored directory now, or click the **OK** button to automatically check the monitored directory using the time interval in the **Auto Check** area.

Once you run this program, an orange icon appears in your system tray:



To completely exit the **Data Importer** dialog box, right-click on the tool in the system tray and choose **Exit**.



# Collecting Data with PC-DMIS

## Using DataImporter.exe

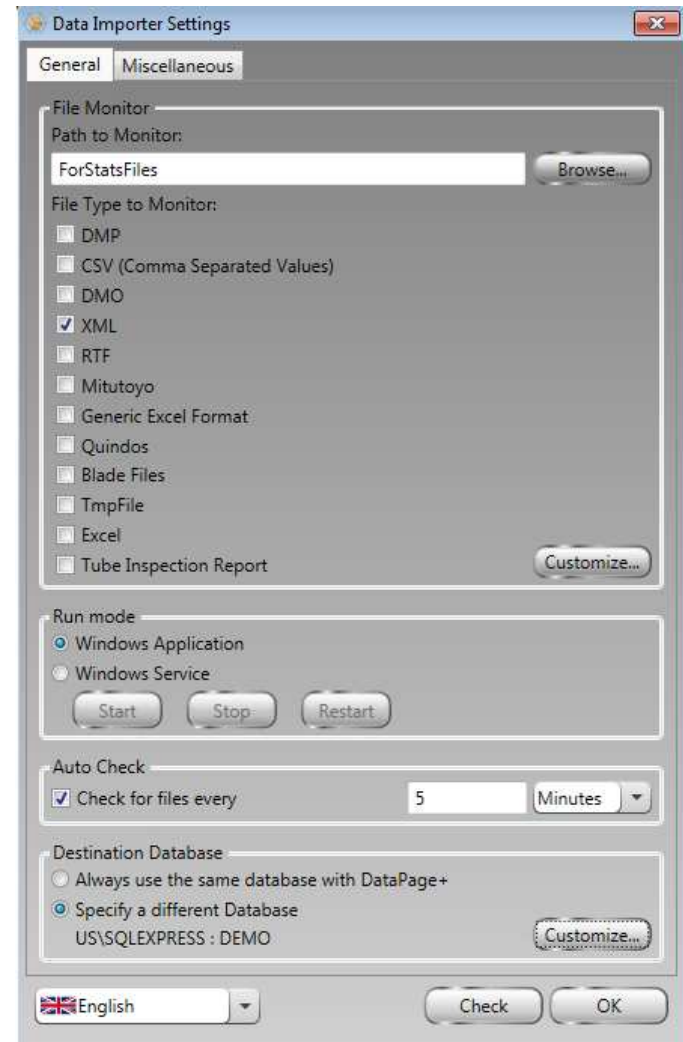
The dialog box contains two tabs:

- **General**
- **Miscellaneous**

The **General** tab contains following items:

- **File Monitor:** This area defines the directory to monitor for any of the selected file types.
  - You can specify the directory to monitor by using the **Browse...** button.
- You can monitor any of these supported statistics files: DMP, CSV, DMO, XML, RTF, Mitutoyo text, Generic Excel Format, Quindos, Blade (BSF), Tmp File, Excel and Tube Inspection Report.
  - The **Customize...** button lets you customize the import settings for these file types.

The tool will look in the **Path to Monitor** directory at the specified interval, and if it detects any new files, it will send the data in those files to the database defined in the **Destination Database** area.





# Collecting Data with PC-DMIS

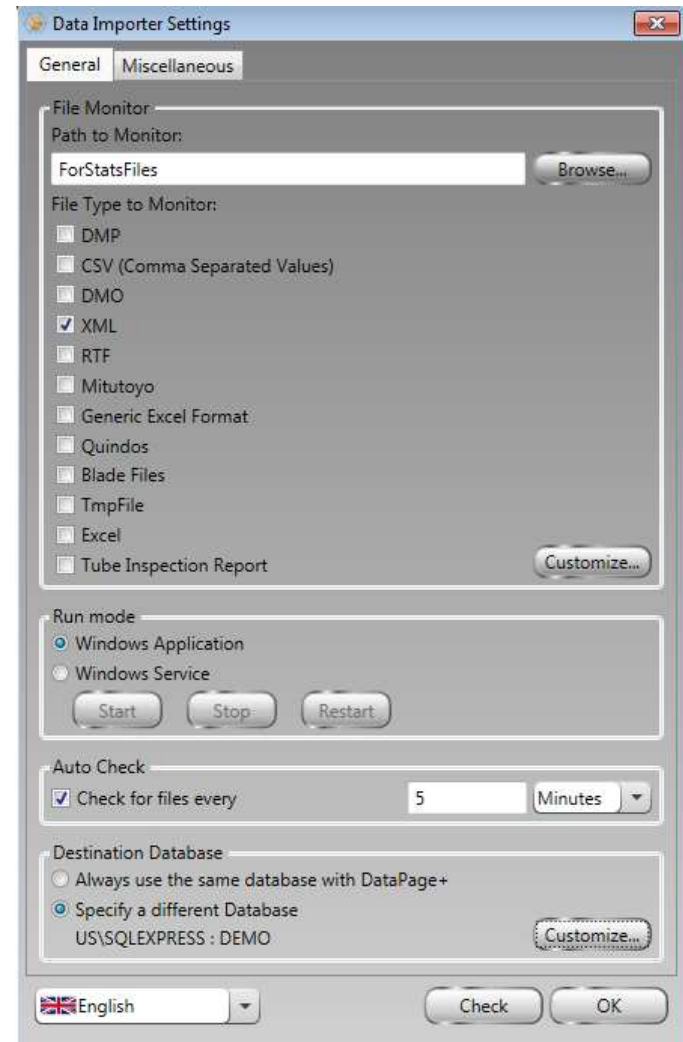
## Using DataImporter.exe

**Run mode:** This area defines how the application runs, either as an application or as a service:

- **Windows Application:** This runs DataImporter as a Windows application by launching DataImporter.exe.
- **Windows Service:** This option runs DataImporter by creating a service called **DataImporterService**. In the Windows **Services** dialog box, the **Startup Type** is automatic and the **Log On As is** set to **Local System**. If you use this mode, in the **Data Importer Settings** dialog box, in the **Auto Check** area, the **Check for files every \_\_\_\_\_ minutes** check box is marked and disabled and the **Destination Database** area, the **Always use the same database with DataPage+** is also unavailable.

- **Start:** This starts the service.
- **Stop:** This halts the service.
- **Restart:** This restarts the service.

**Auto Check:** This area defines whether or not to automatically check the monitored directory using the defined time interval. Set the time interval as a value in the edit box and select the time component (seconds, minutes, hours) from the drop down list.

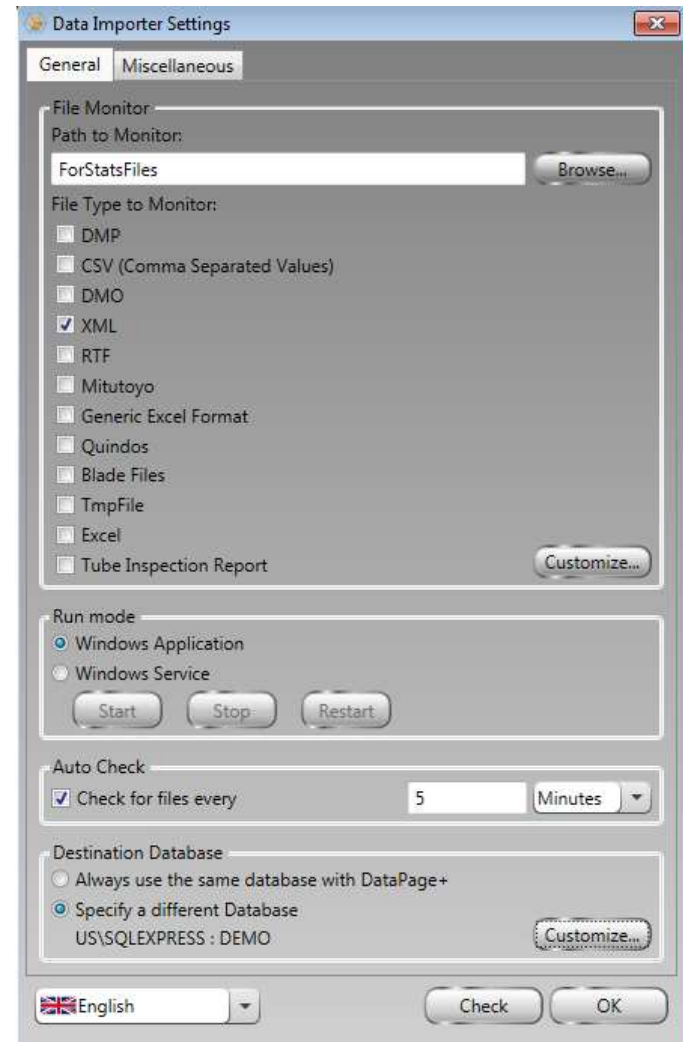


# Collecting Data with PC-DMIS

## Using DataImporter.exe

**Destination Database:** This lets you choose the database to which the tool will send the data in the statistics file. It contains these options:

- **Always use the same database with DataPage+** – This will use the same database that DataPage+ is currently configured to use.
- **Specify a Different Database** – The tool will use a different database specified by using the **Customize...** browse button. Clicking this button opens the **Database Connection Properties** dialog box.



# Collecting Data with PC-DMIS

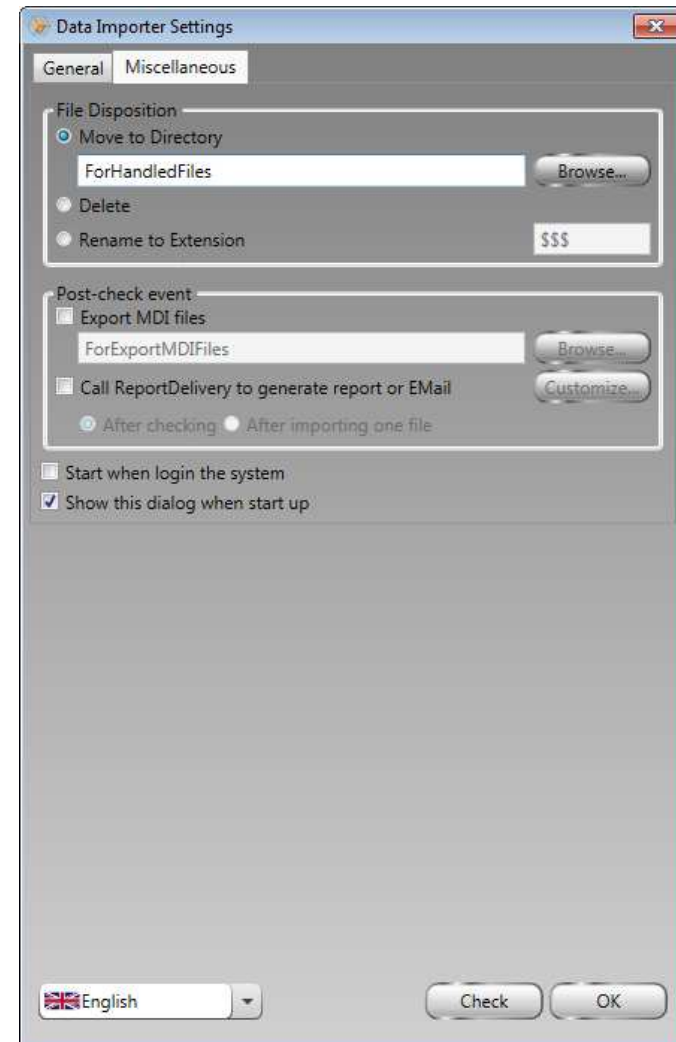
## Using DataImporter.exe

**File Disposition:** When a statistics file is detected in the monitored directory, and after the data has been imported into the specified database, you can use this area to tell the tool what to do with the file. You must use one of these items so that the file is no longer monitored once it has been processed. The available options are:

- **Move to directory** – This moves the statistics file out of the monitored directory and into the new directory.
- **Delete** – This deletes the statistics file.
- **Rename to Extension** – This renames the statistics file to a different extension.

**Post-check event:** This area lets you automatically send an export of MDI files (XML files) to a specified directory as well as generate and send a report and a notification email.

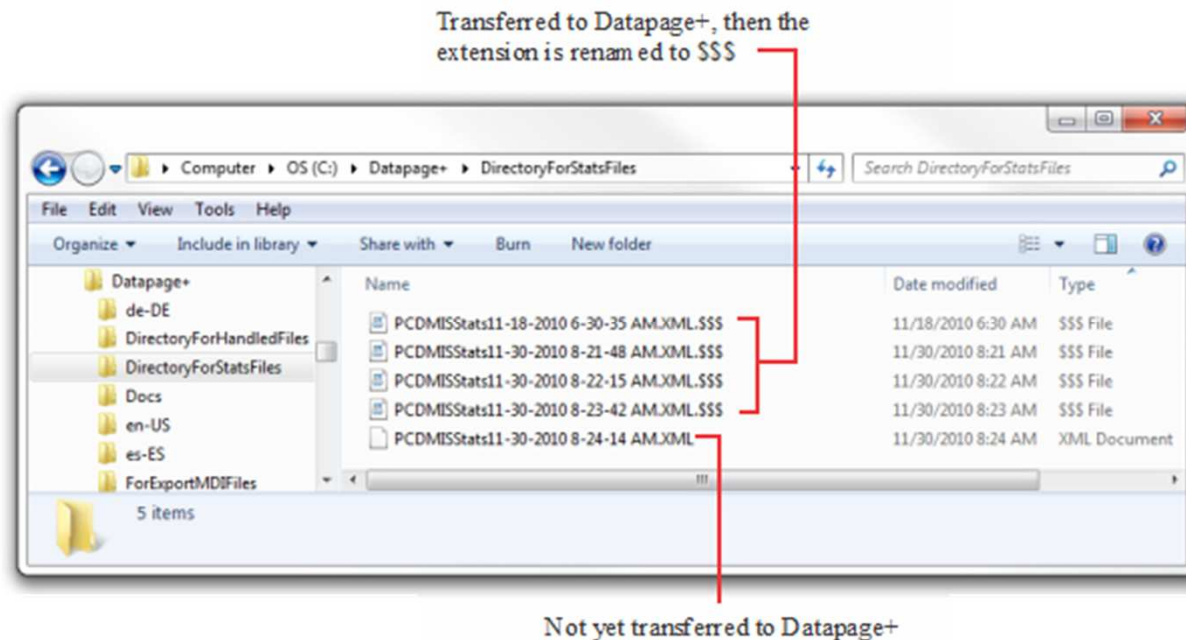
- **Export MDI files** – If marked, DataPage+ exports XML files for the most recently handled statistics files.
  - **Browse** – This changes the export directory for the exported MDI files.
- **Call ReportDelivery to generate report or Email** – If marked, DataPage+ generates a report and sends an email of the most recently handled statistics files, using the settings defined in this area's **Customize** button. This is used to inform someone that the incoming data contains out-of-tolerance measurements and generate a report of the incoming data.
  - **Customize** - This button displays the **Report Delivery Configuration** dialog box.



# Collecting Data with PC-DMIS

## Example overview of the dataflow:

- A PC-DMIS program is executed that contains the executable “**DataPageStats.exe**”.
- This executable transfers a file containing the part name, time, actual data, tracefields etc., into the directory: **\DirectoryForStatsFiles**.
- The executable “**DataImporter.exe**” is running in the background and monitors the contents of this directory.
- When a new .XML file is dropped here from PC-DMIS, it is read and the data is transferred to **DataPage+**.
- This file is then disposed of as specified to insure it is not read again. This example shows the file extension being renamed.





# Installing DataPage+ Database

# Installing DataPage+ Database

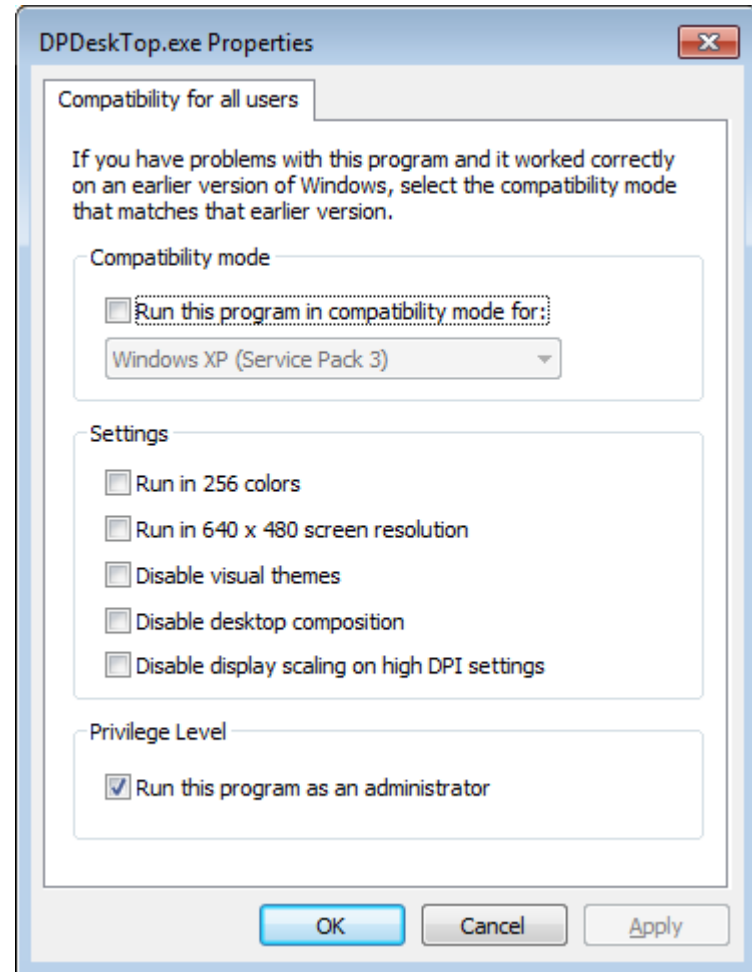
## Install MS SQL Server or MS SQL Server Express on the Server

- You (the customer) are responsible for installing the MS SQL Server software on the Server computer..
- If you do not have a license for MS SQL Server, you can install the MS SQL Server 2008 R2 Express software on the server. MS SQL Server 2008 R2 Express is free and can be installed using the FULL DataPage+ installation package, or it can be downloaded from the following Microsoft link: <http://www.microsoft.com/en-us/download/details.aspx?id=30438>
  - **Important note: Be sure to download and install the appropriate installation set (32-bit or 64-bit) for your Server computer.**
- We also recommend that you install the MS SQL Server 2008 R2 Management Studio Express software. MS SQL Server 2008 R2 Management Studio Express is free and is included in the FULL DataPage+ installation package ("SqlExpress2008" folder), or it can be downloaded from the following Microsoft link: <http://www.microsoft.com/en-us/download/details.aspx?id=22985>

# Installing DataPage+ Database

## Attach “Demo” database to MS SQL Server software

- The DataPage+ 5.0 installation puts an icon on your desktop. Right-click the icon and click **Properties**. Click the **Compatibility** tab, then click the **Change settings for all users** button. Click the checkbox to **Run this program as an administrator**. Click **OK**, then **OK** again.
- This sets the DataPage+ 5.0 application to always run as an administrator.





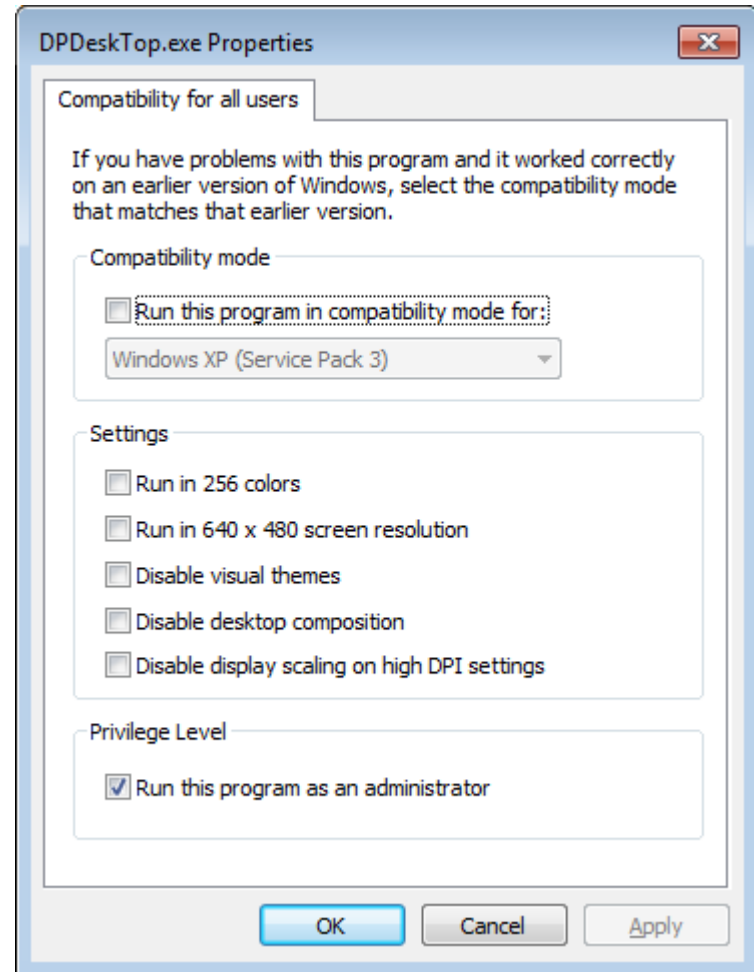
# Getting Started Using DataPage+ 5.0



# Getting Started Using DataPage+ 5.0

## Change application permissions

- The DataPage+ 5.0 installation puts an icon on your desktop. Right-click the icon and click **Properties**. Click the **Compatibility** tab, then click the **Change settings for all users** button. Click the checkbox to **Run this program as an administrator**. Click **OK**, then **OK** again.
- This sets the DataPage+ 5.0 application to always run as an administrator.

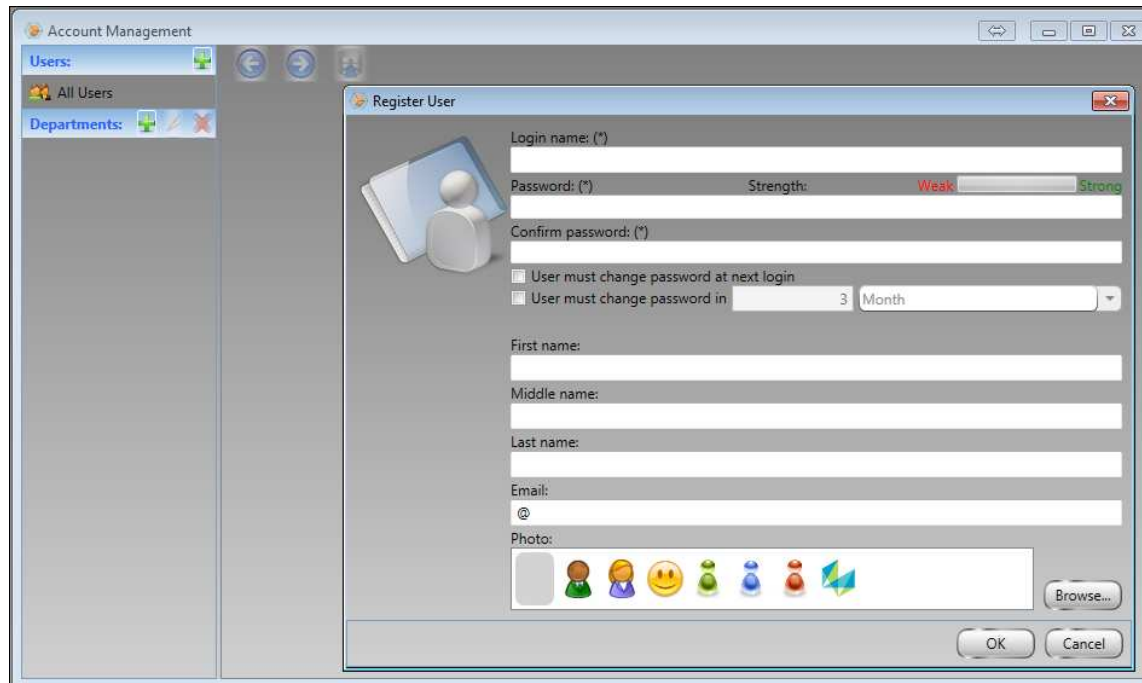


# Getting Started Using DataPage+ 5.0



## Launch DataPage+ and login

- Launch DataPage+ from the desktop icon. You will see a login screen. Enter **Administrator** in the User Name box, and enter **123456** in the Password box.
- After logging in the first time, you can create new user accounts. Click **Tools**, then click **Account**.



# Getting Started Using DataPage+ 5.0

## Filter and Select Parts

- Once logged in, you access the Parts (Home) screen. From All Parts, you see all the parts in your database. You can filter the displayed parts by adding a query. Pull up a part and its transactions by double-clicking it.

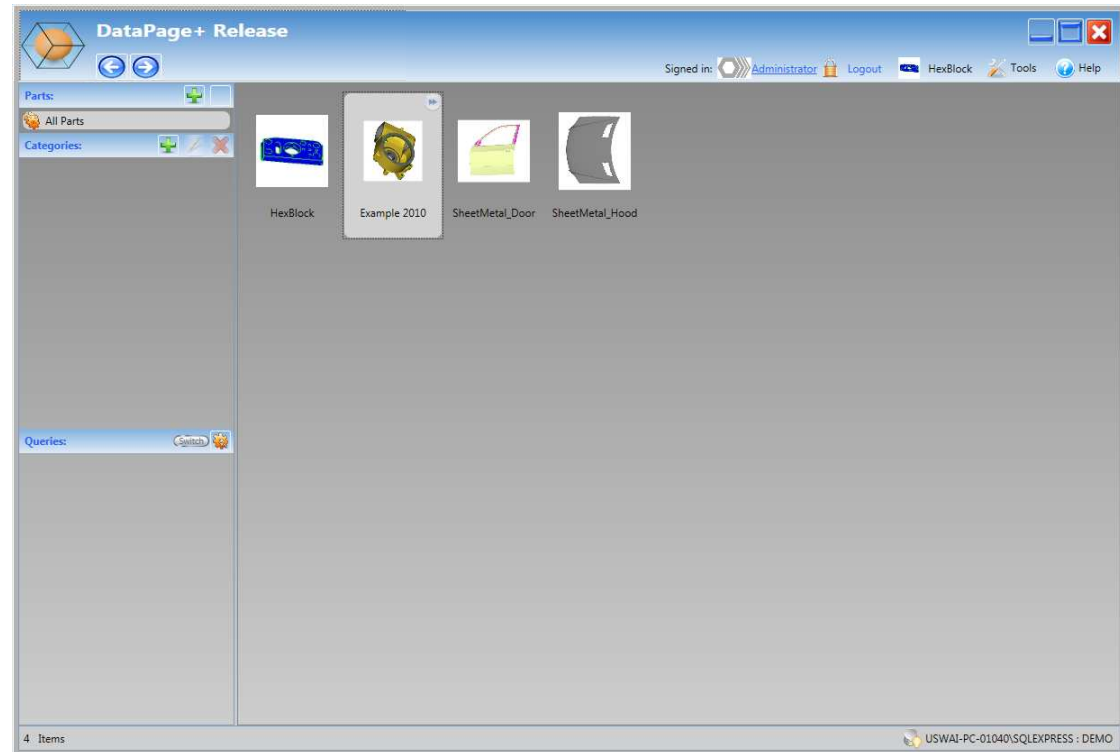
Queries

Query name:  Link multiple clauses with:  And  Or

New... Rename... Delete

Trace name:	Operator:	Trace value 1:	Trace value 2:	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X

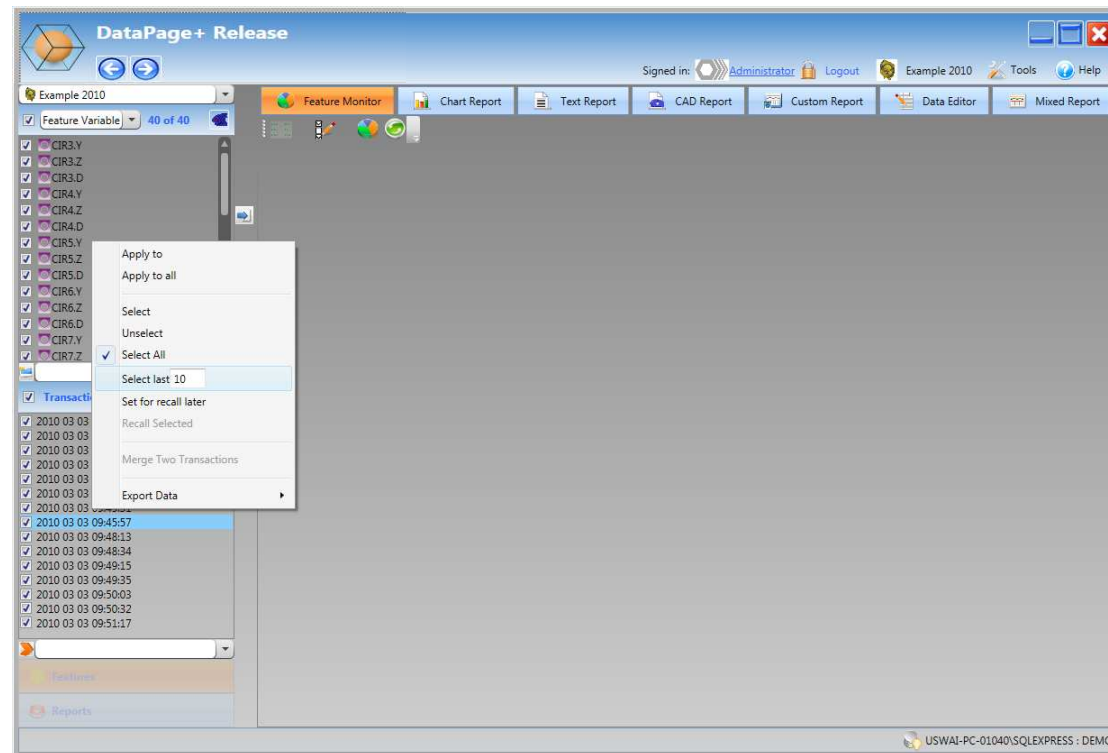
Save Default OK Cancel



# Getting Started Using DataPage+ 5.0

## Select Features/Dimensions and Transactions

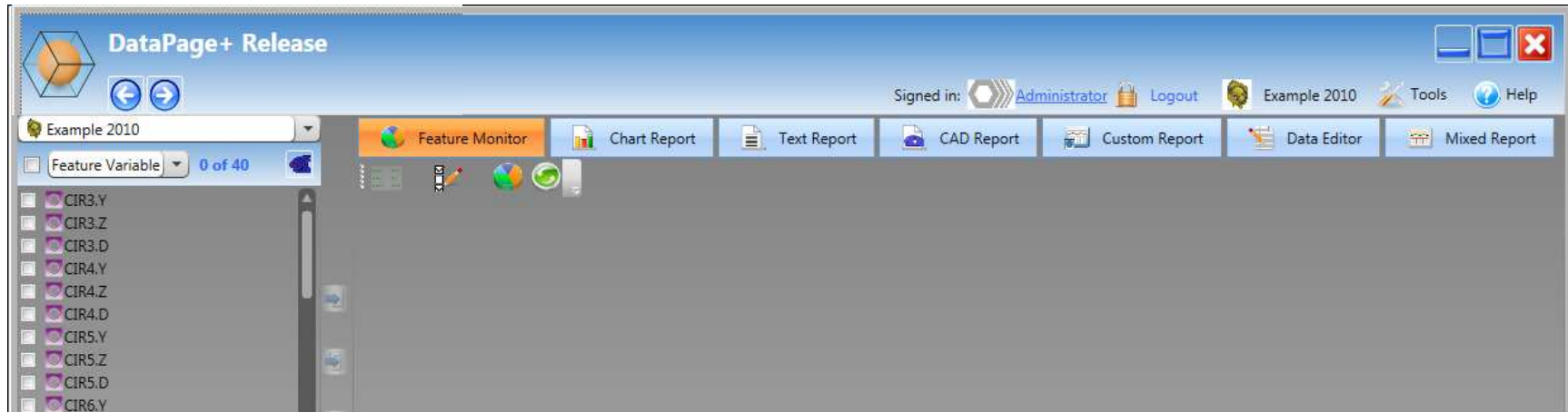
- Once you select a part, its Features, Dimensions, and Transactions load into DataPage+ 5.0. Depending on the available Features and Dimensions, you can select the type from the drop-down list. Also, you can select specific transactions, all transactions, or create a filter to select transactions that meet specific criteria.
- Once you have identified your desired Features/Dimensions and Transactions, click the **Apply to** or the **Apply to All** button to apply your selections to the active tab or to all tabs.



# Getting Started Using DataPage+ 5.0

## Tab Definitions

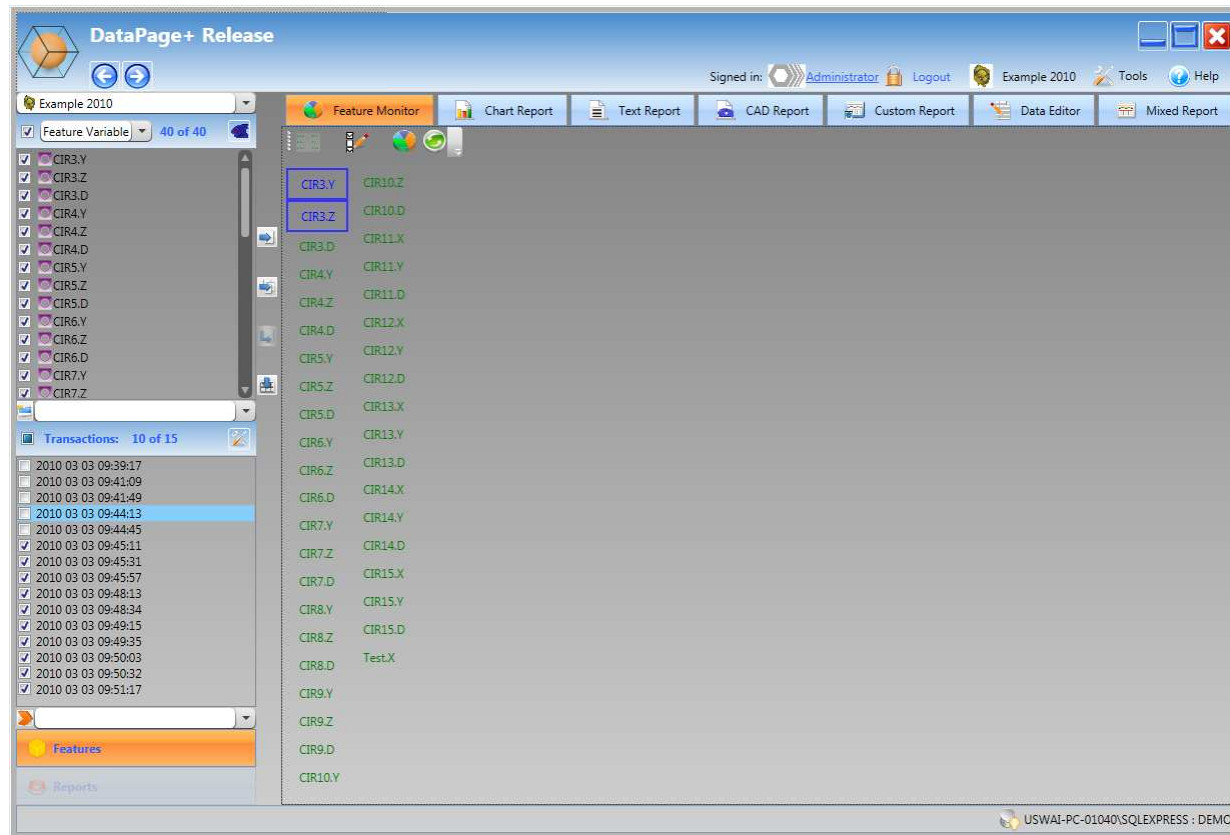
- Once you have applied transactions to one or more tabs, you can begin analyzing transaction data in the tabs.
  - **Feature Monitor** – Overview page that displays key statistics and Pie Chart and Monitor Mode.
  - **Chart Report** – Statistical Chart Reports, like Histogram, Run Chart and Bar Whisker (and others).
  - **Text Report** – Text reports.
  - **CAD Report** – DataView-like reports, including 3D-rotational CAD image (you provide) and report labels.
  - **Custom Report** – Custom report canvas, allowing you to combine all three report types in one.
  - **Data Editor** – Spreadsheet-like editor to modify features, tolerances, trace fields, and cause codes.
  - **Mixed Report** – Custom report canvas, allowing you to put together a final presentation and execute saved reports.



# Getting Started Using DataPage+ 5.0

## Feature Monitor

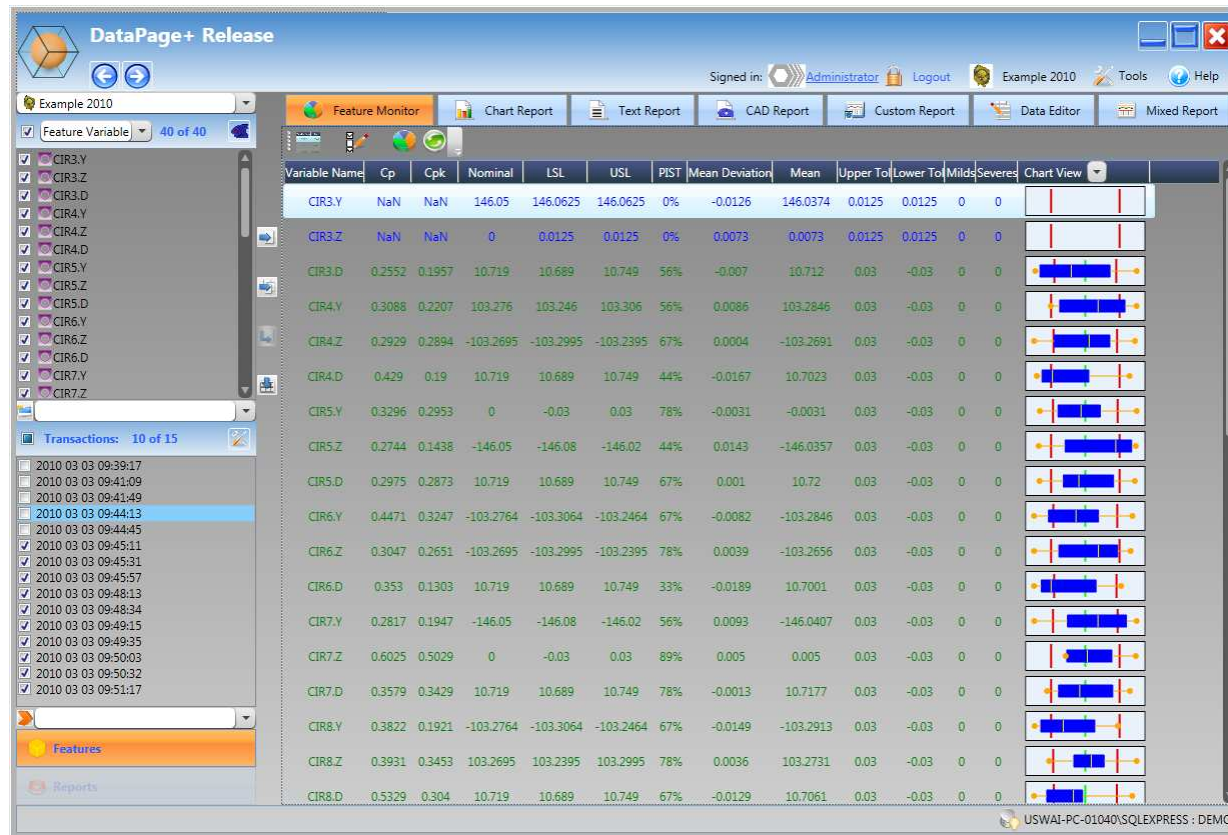
- Monitor View includes color-coded Feature IDs.



# Getting Started Using DataPage+ 5.0

## Feature Monitor

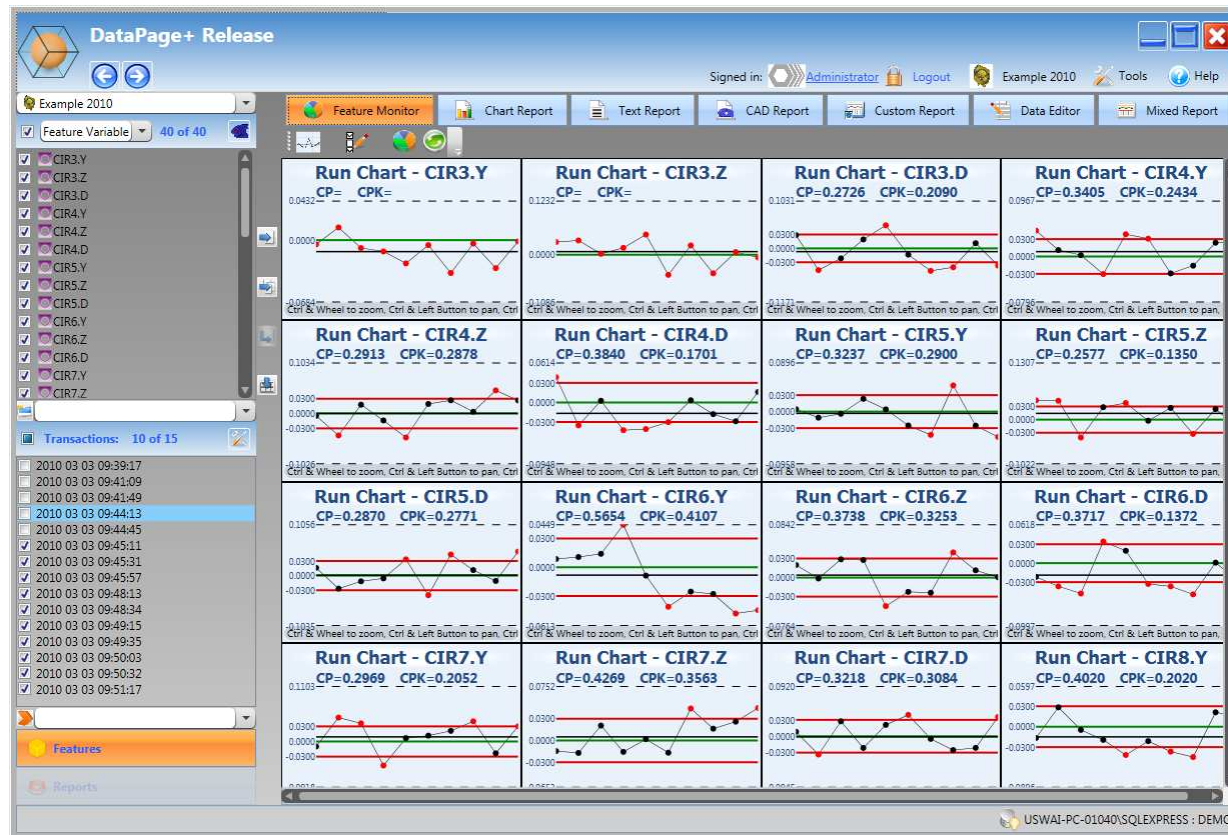
- Detail View includes details and mini-charts for key characteristics.



# Getting Started Using DataPage+ 5.0

## Feature Monitor

- Chart View includes Run Charts for all selected Features/Dimensions and Transactions.

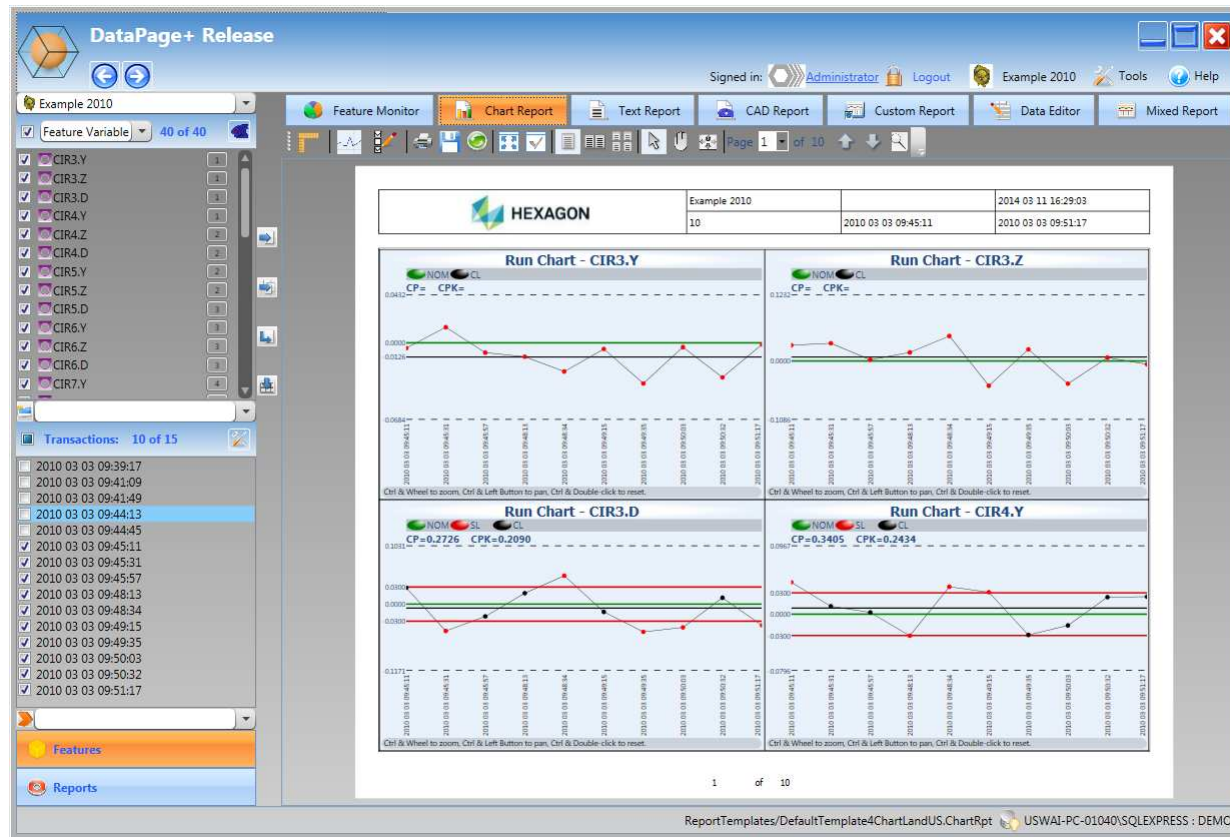




# Getting Started Using DataPage+ 5.0

## Chart Report

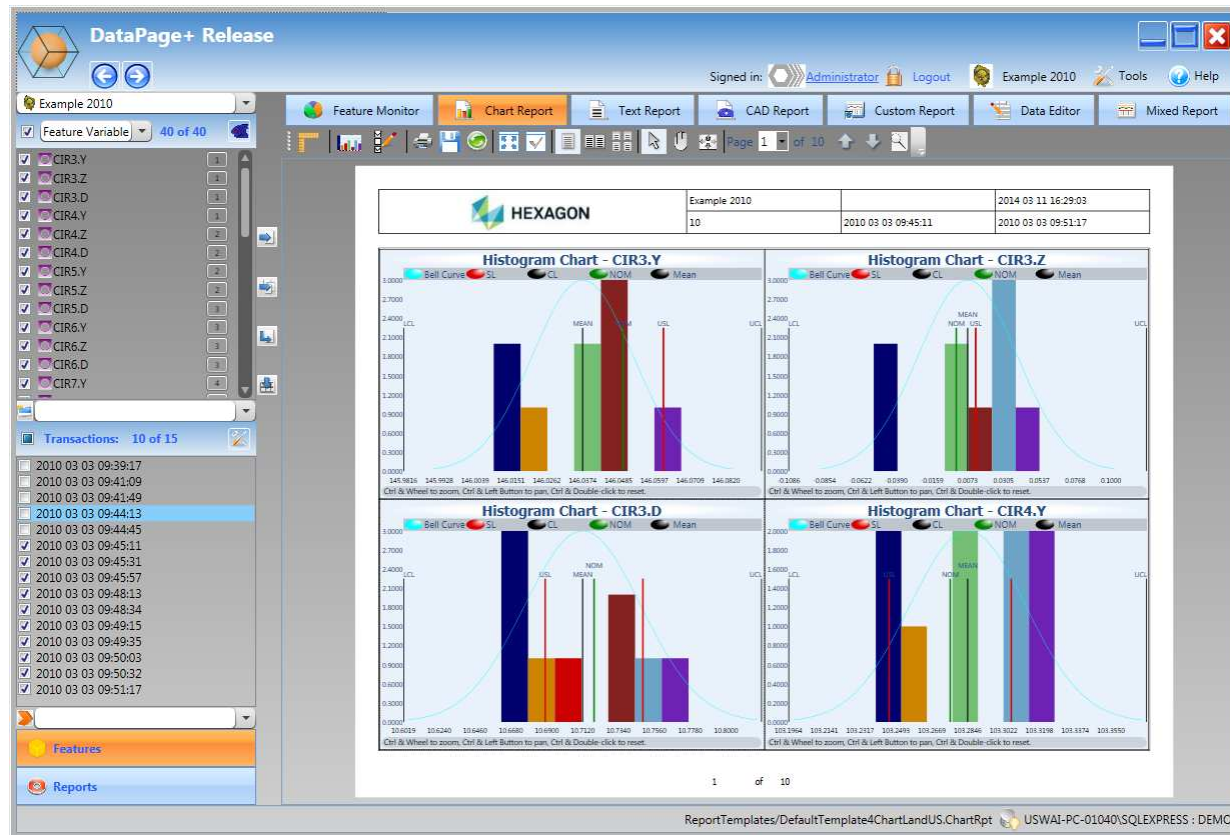
- The Chart Report View shows SPC reports for all selected Features/Dimensions and Transactions. You can select from over 20 included reports from the report selection menu.



# Getting Started Using DataPage+ 5.0

## Chart Report

- The Chart Report View shows SPC reports for all selected Features/Dimensions and Transactions. You can select from over 20 included reports from the report selection menu.



# Getting Started Using DataPage+ 5.0

## Text Report

- The Text Report View allows you to analyze the nominal and measured data in a tabular (grid) format. You can select from over 15 included reports from the report selection menu, including some industry-specific reports.

The screenshot shows the DataPage+ Release software interface. The top menu bar includes options for Feature Monitor, Chart Report, Text Report, CAD Report, Custom Report, Data Editor, and Mixed Report. The left sidebar displays a list of feature variables (CIR3.Y, CIR3.Z, CIR3.D, CIR4.Y, CIR4.Z, CIR5.D, CIR5.Y, CIR6.Z, CIR6.D, CIR7.Y, CIR7.Z) and a list of transactions (10 of 15). The main area displays a report for 'Example 2010' with a grid of data columns and rows. The report header includes the Hexagon logo and the text 'Example 2010'. The data grid contains multiple columns of numerical values, likely representing measured and nominal data for various features. The interface also shows a 'Signed in: Administrator' status and a 'Logout' button.

# Getting Started Using DataPage+ 5.0

## Text Report

- The Text Report View allows you to analyze the nominal and measured data in a tabular (grid) format. You can select from over 15 included reports from the report selection menu, including some industry-specific reports.

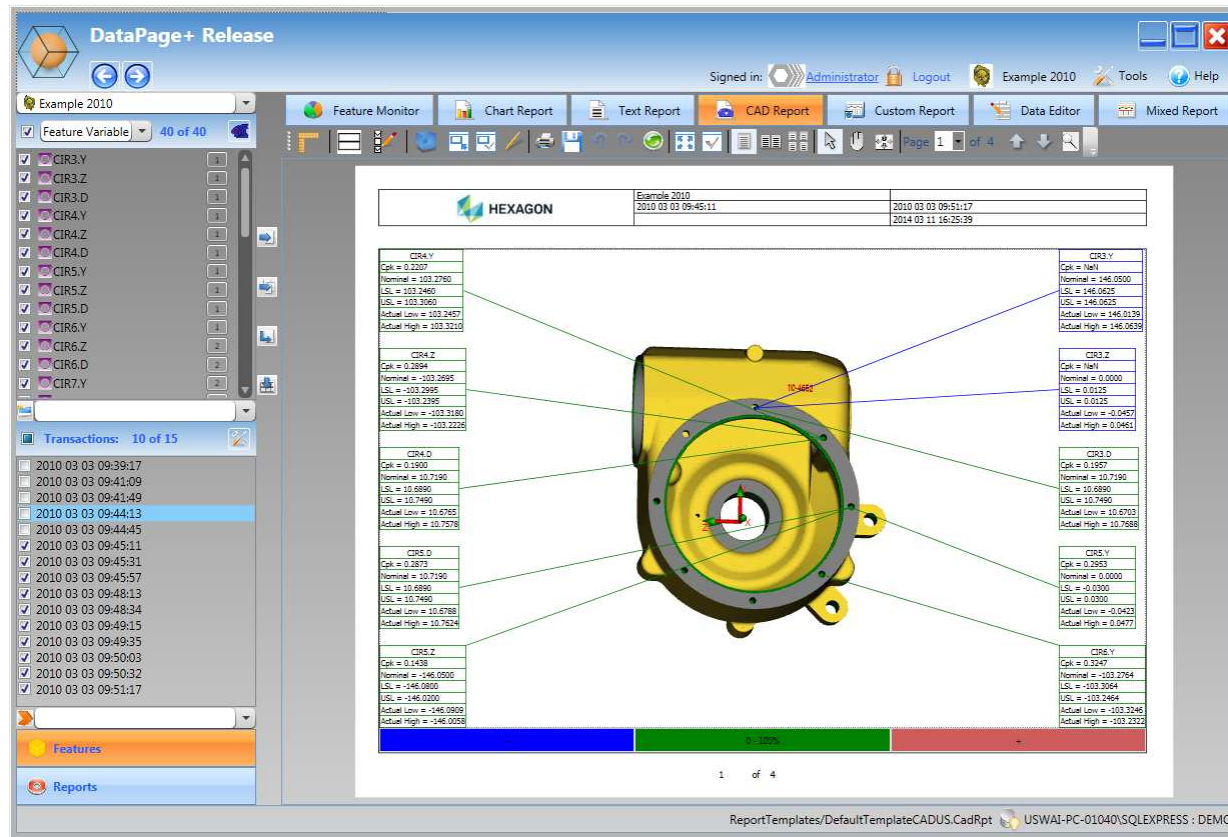
The screenshot shows the DataPage+ Release software interface. The top navigation bar includes 'Feature Monitor', 'Chart Report', 'Text Report' (selected), 'CAD Report', 'Custom Report', 'Data Editor', and 'Mixed Report'. The left sidebar shows a feature tree with 'Feature Variable' set to '40 of 40'. The main window displays a detailed data table with columns for Feature Name, Nominal, Measured, Deviation, Lower, Upper, Status, and Trend Data. The table contains multiple rows of data for various features, including CIR3.Y, CIR3.Z, CIR3.D, CIR4.Y, CIR4.Z, CIR4.D, CIR5.Y, CIR5.Z, CIR5.D, CIR6.Y, CIR6.Z, CIR6.D, CIR7.Y, and CIR7.Z. The status column shows values like 'Pass', 'Fail', and 'Warning'. The trend data column shows values like 'Machine', 'Operator', and 'Shift'.

Feature Name	Nominal	Measured	Deviation	Lower	Upper	Status	Trend Data
CIR3.Y	146.000	146.000	0.000	0.000	0.000	Pass	Machine
CIR3.Z	146.000	146.000	0.000	0.000	0.000	Pass	Operator
CIR3.D	146.000	146.000	0.000	0.000	0.000	Pass	Shift
CIR4.Y	146.000	146.000	0.000	0.000	0.000	Pass	
CIR4.Z	146.000	146.000	0.000	0.000	0.000	Pass	
CIR4.D	146.000	146.000	0.000	0.000	0.000	Pass	
CIR5.Y	146.000	146.000	0.000	0.000	0.000	Pass	
CIR5.Z	146.000	146.000	0.000	0.000	0.000	Pass	
CIR5.D	146.000	146.000	0.000	0.000	0.000	Pass	
CIR6.Y	146.000	146.000	0.000	0.000	0.000	Pass	
CIR6.Z	146.000	146.000	0.000	0.000	0.000	Pass	
CIR6.D	146.000	146.000	0.000	0.000	0.000	Pass	
CIR7.Y	146.000	146.000	0.000	0.000	0.000	Pass	
CIR7.Z	146.000	146.000	0.000	0.000	0.000	Pass	

# Getting Started Using DataPage+ 5.0

## CAD Report

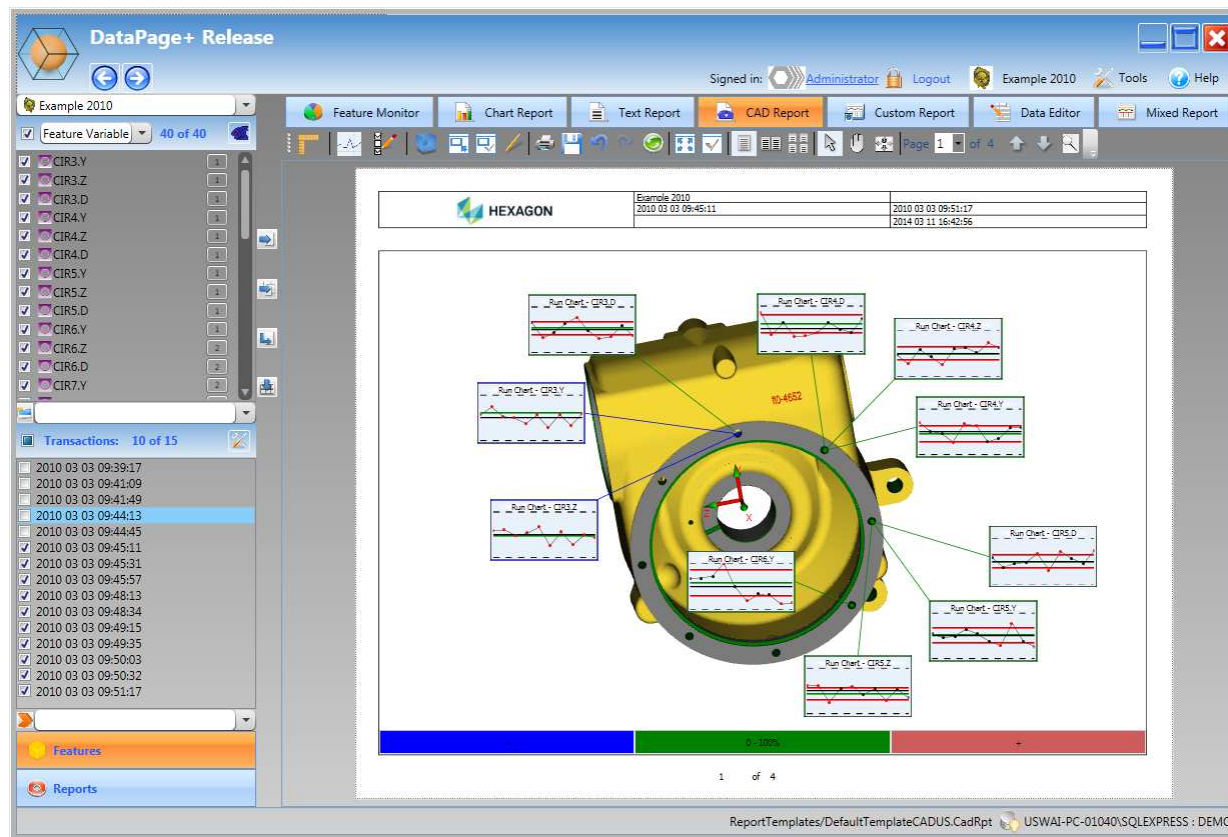
- The CAD Report View allows you to analyze the data along with the 3D CAD model. The CAD model is fully rotational, and you can apply report labels with leader lines tied to specific Features/Dimensions. You can select from over a dozen included reports from the report selection menu.



# Getting Started Using DataPage+ 5.0

## CAD Report

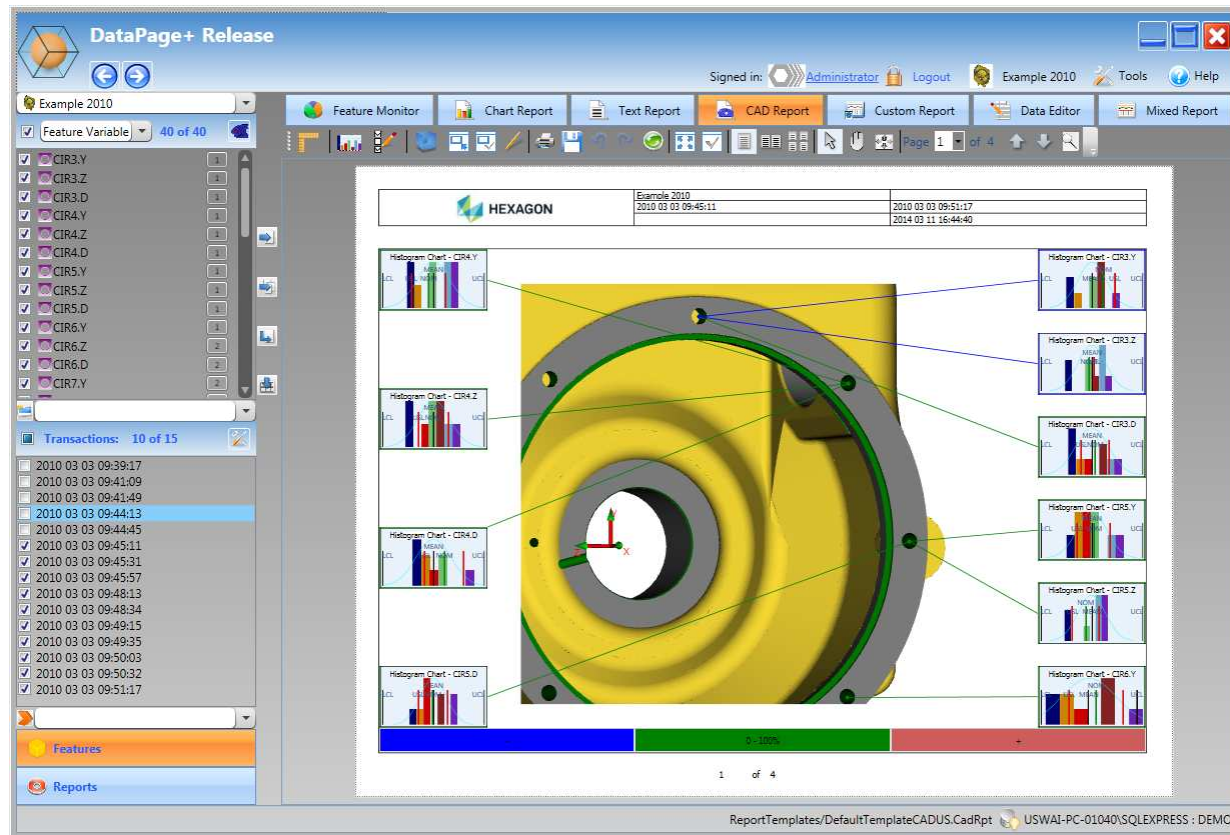
- The CAD Report View allows you to analyze the data along with the 3D CAD model. The CAD model is fully rotational, and you can apply report labels with leader lines tied to specific Features/Dimensions. You can select from over a dozen included reports from the report selection menu.



# Getting Started Using DataPage+ 5.0

## CAD Report

- The CAD Report View allows you to analyze the data along with the 3D CAD model. The CAD model is fully rotational, and you can apply report labels with leader lines tied to specific Features/Dimensions. You can select from over a dozen included reports from the report selection menu.



# Getting Started Using DataPage+ 5.0

## Custom Report

- The Custom Report View allows you to add elements from each tab (Chart, Text, CAD) to view combined analysis data on one report.

2010 03 03 09:45:11	Actual	Nominal	Deviation	Lower	Upper	Status	Trace Name	Trace Value
CIR3.Y	146.0451	146.0500	-0.0047	-0.0125	0.0125	0.0172	Machine	1
CIR3.Z	0.0291	0.0000	0.0291	0.0125	0.0125	0.0166	Operator	1
CIR3.D	107.7676	107.7200	0.0286	-0.0300	0.0300	#		
CIR4.Y	103.3210	103.2700	0.0450	-0.0300	0.0300	0.0350		
CIR4.Z	103.2742	103.2695	-0.0047	-0.0300	0.0300	#		
CIR4.D	107.7678	107.7500	0.0188	-0.0300	0.0300	0.0088		
CIR5.Y	0.0045	0.0000	0.0045	-0.0300	0.0300	#		
CIR5.Z	-146.0058	-146.0500	0.0442	-0.0300	0.0300	0.0142		



# Getting Started Using DataPage+ 5.0

## Data Editor

- The Data Editor View allows you to modify Feature information such as Feature Names, Tolerances, Control Limits, and more. You can also change Trace Fields and enter Cause Codes.

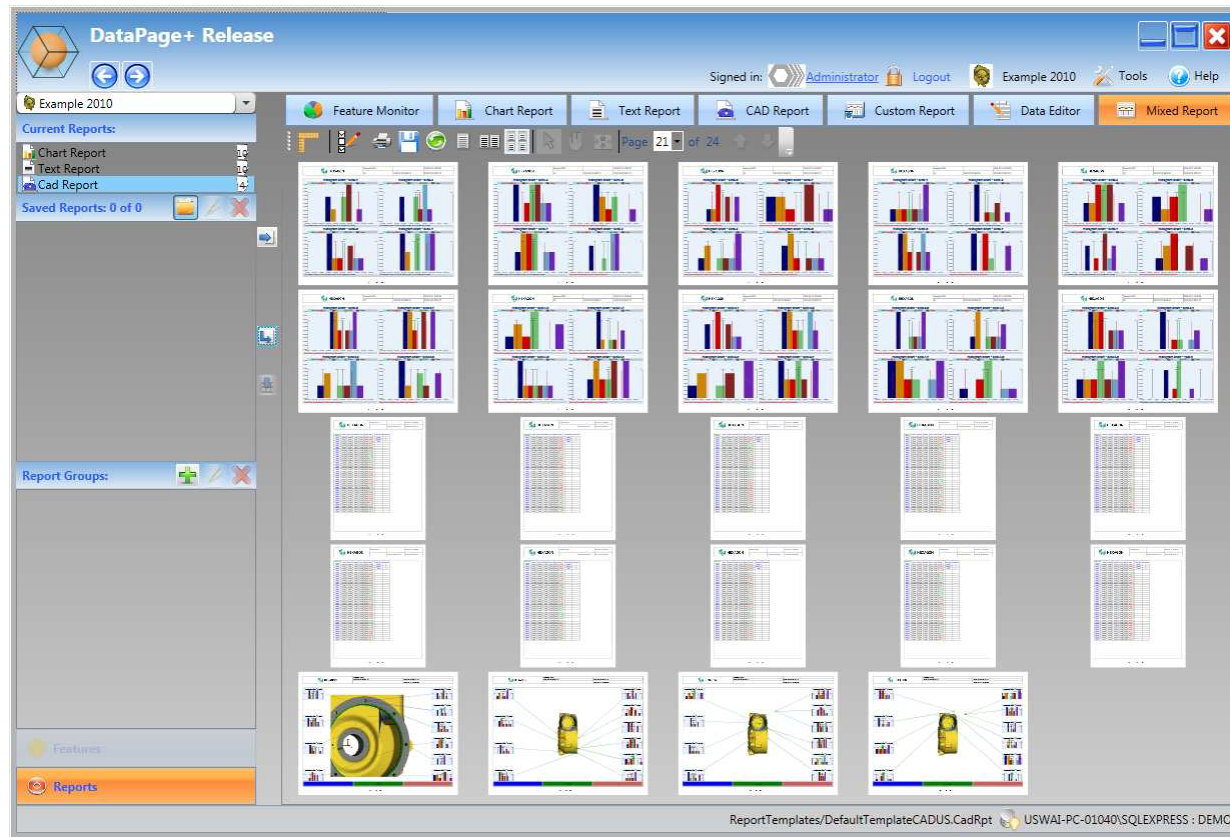
The screenshot displays the DataPage+ Release Data Editor interface. The main window shows a table with the following columns: Name, Nominal, Upper Tol, Lower Tol, and 10 time-stamped measurement columns (2010 03 03 09:45:11 to 2010 03 03 09:50:03). The table contains 22 rows of data for various features (CIR3.Y, CIR3.Z, CIR3.D, CIR4.Y, CIR4.Z, CIR4.D, CIR5.Y, CIR5.Z, CIR5.D, CIR6.Y, CIR6.Z, CIR6.D, CIR7.Y, CIR7.Z, CIR8.Y, CIR8.Z, CIR8.D, CIR9.Y, CIR9.Z, CIR9.D, CIR10.Y). The interface includes a left sidebar with a feature tree and a transaction list, and a top menu bar with options like Feature Monitor, Chart Report, Text Report, CAD Report, Custom Report, Data Editor, and Mixed Report.

Name	Nominal	Upper Tol	Lower Tol	2010 03 03 09:45:11	2010 03 03 09:45:31	2010 03 03 09:45:57	2010 03 03 09:48:13	2010 03 03 09:48:34	2010 03 03 09:49:15	2010 03 03 09:49:35	2010 03 03 09:50:03
1 CIR3.Y	146.0500	0.0125	0.0125	146.0453	146.0639	146.0413	146.0376	146.0245	146.0445	146.0139	146.04
2 CIR3.Z	0.0000	0.0125	0.0125	0.0291	0.0327	0.0023	0.0159	0.0461	-0.0457	0.0214	-0.04
3 CIR3.D	10.7190	0.0300	-0.0300	10.7476	10.6719	10.6974	10.7383	10.7688	10.7054	10.6703	10.67
4 CIR4.Y	103.2760	0.0300	-0.0300	103.3210	103.2872	103.2785	103.2457	103.3146	103.3069	103.2469	103.26
5 CIR4.Z	-103.2695	0.0300	-0.0300	-103.2742	-103.3138	-103.2516	-103.2835	-103.3180	-103.2500	-103.2427	-103.26
6 CIR4.D	10.7190	0.0300	-0.0300	10.7578	10.6839	10.7217	10.6765	10.6782	10.6888	10.7224	10.70
7 CIR5.Y	0.0000	0.0300	-0.0300	0.0045	-0.0110	-0.0039	0.0234	0.0042	-0.0252	-0.0423	0.04
8 CIR5.Z	-146.0500	0.0300	-0.0300	-146.0058	-146.0068	-146.0909	-146.0216	-146.0120	-146.0526	-146.0233	-146.08
9 CIR5.D	10.7190	0.0300	-0.0300	10.7351	10.6923	10.7073	10.7134	10.7524	10.6788	10.7624	10.73
10 CIR6.Y	-103.2764	0.0300	-0.0300	-103.2678	-103.2657	-103.2624	-103.2322	-103.2851	-103.3176	-103.3018	-103.30
11 CIR6.Z	-103.2695	0.0300	-0.0300	-103.2496	-103.2709	-103.2406	-103.2417	-103.3145	-103.2919	-103.2934	-103.22
12 CIR6.D	10.7190	0.0300	-0.0300	10.6973	10.6823	10.6710	10.7534	10.7388	10.6861	10.6823	10.66
13 CIR7.Y	-146.0500	0.0300	-0.0300	-146.0598	-146.0023	-146.0138	-146.0975	-146.0432	-146.0382	-146.0287	-146.00
14 CIR7.Z	0.0000	0.0300	-0.0300	-0.0146	-0.0172	0.0206	-0.0157	0.0018	-0.0168	0.0442	0.01
15 CIR7.D	10.7190	0.0300	-0.0300	10.7272	10.6854	10.7463	10.6975	10.7398	10.7581	10.7141	10.69
16 CIR8.Y	-103.2764	0.0300	-0.0300	-103.2929	-103.2479	-103.2810	-103.2957	-103.3179	-103.2975	-103.3129	-103.32
17 CIR8.Z	103.2695	0.0300	-0.0300	103.3175	103.2356	103.2871	103.2777	103.2595	103.2751	103.2607	103.28
18 CIR8.D	10.7190	0.0300	-0.0300	10.7636	10.7041	10.7119	10.7195	10.7077	10.7133	10.6705	10.69
19 CIR9.Y	0.0000	0.0300	-0.0300	-0.0160	0.0478	0.0075	0.0491	0.0257	0.0356	0.0219	-0.00
20 CIR9.Z	146.0500	0.0300	-0.0300	146.1000	146.0673	146.0430	146.0438	146.0310	146.0730	146.0383	146.01
21 CIR9.D	10.7190	0.0300	-0.0300	10.6778	10.7510	10.7081	10.6971	10.7639	10.6976	10.7413	10.76
22 CIR10.Y	103.2764	0.0300	-0.0300	103.3237	103.2566	103.2663	103.2796	103.2652	103.2984	103.3183	103.25

# Getting Started Using DataPage+ 5.0

## Mixed Report

- The Mixed Report View allows you to put together a final presentation based on the reports generated from the Chart, Text, and CAD Report tabs. You can arrange the order of the report pages by dragging and dropping them where you want.





End of Presentation