Honeywell

Experion PKS
GUS Display Search Tool User's Guide

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Disclaimer

Contents

1 About This Document

This document provides you with information on the use of the GUS Display Search Tool, along with examples of the steps required to use the GUS Display Search Tool from a ES-T.

This document is written for those who are trained and/or experienced in

- operation in the MS Windows environment,
- operation and navigation of a ES-T, and
- point names, GUS display files and their contents, and GUS embedded displays.

1.1 References

The following list identifies all documents that may be sources of reference for material discussed in this publication.

Document Title	Document Number	Binder Number
Display Builder User's Guide	EPDOC-XX44-en-410	
Picture Editor Reference Manual	SW09-550	TDC 3032-2
Picture Editor Form Instructions	SW12-550	TDC 3032-3
Picture Editor Data entry	SW11-550	TDC 3032-3
Actors Manual	SW09-555	TDC 3032-2

2 Introduction

2.1 Overview

The Global User Station (GUS) Display Search Tool runs on a Honeywell Experion Station-T node. It is used for the following:

- locate and list which points are used in a selected .pct file
- locate and list which embedded GUS displays are used in a selected .pct file
- define which GUS displays contain a given point or embedded GUS display

This section describes the content and purpose of this document, the intended audience, other document resources, and how to get help using this product.

2.1.1 When should you use this tool?

When you are first building the GUS displays, the GUS display search tool provides an easy means of listing the points that have been included in the display. Compare the list to your list of points for that area of the process, to ensure that those points, which are to be associated with the display, have been included.

When making changes to the process, you must make changes to a point and you must know which part of the process (that is depicted by GUS displays) is impacted by that change. The GUS Display Search Tool provides a method to enter the point name and obtain a list of all GUS display files containing that point name.

The tool is also used when the processes are updated or modified to include new components, or when adjusting or rearranging an existing portion of a process. You can also use this tool when a display is being modified or when it is being copied to be used for a similar process in another area. With this tool, you can determine which points or GUS embedded displays are associated with a display, prior to editing or copying the display file.

3 Run GUS Display Search Tool

3.1 Launch GUS Display Search Tool

GUS Display Search Tool is launched in one of the following ways:

- Go to *C:\Program Files\Honeywell\TPS\GUS* and double-click *searchtools.exe*.

Or

- Choose **Start** > **Run.** Type s**earchtools**.

3.1.1 Additional information about lauching the GUS Display Search Tool

You must note the path (directory/file pathnames) of all the existing picture files before running the GUS Display Search Tool.

You can also locate the files in Windows File Manager by using

- File,
- Search…,
- Search For: *.pct method for a list of GUS Display files (.pct).

For file management, the directory name containing the .pct files should display the revision of GUS Display Builder under which the files were created.

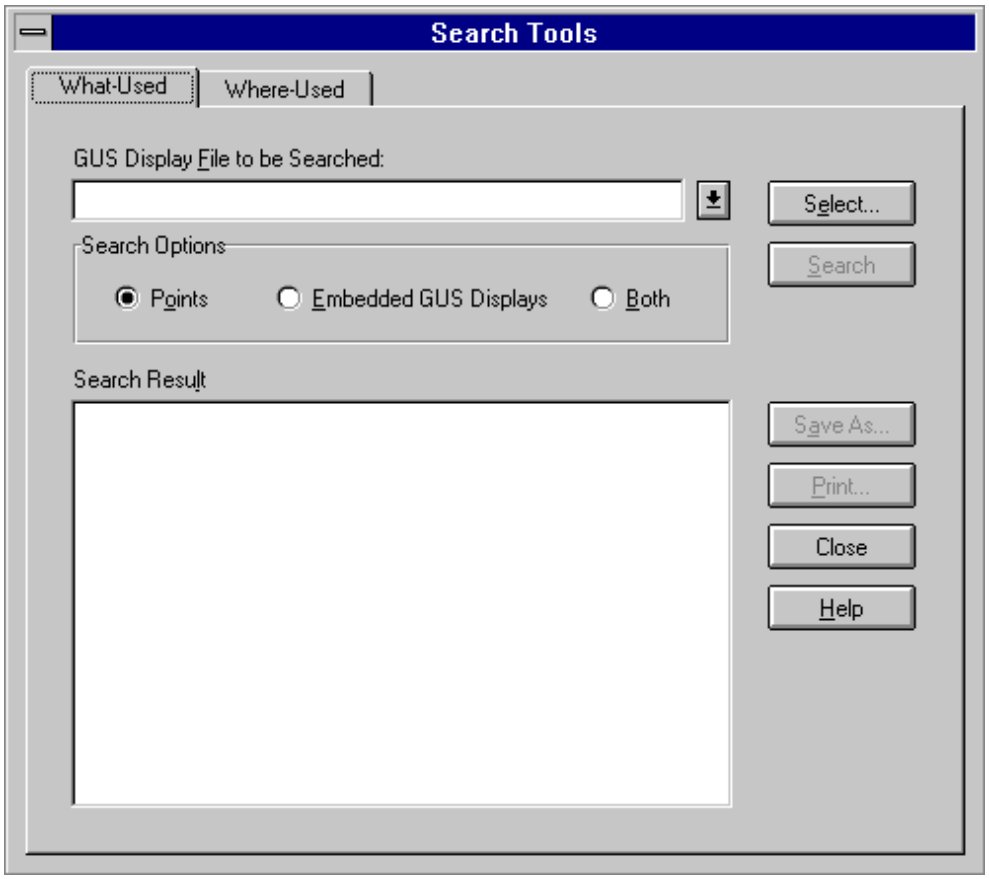
For example, name the directory GPB10019, for GUS Display Builder version 100.0.19. Place all the current .pct files in that directory. Later, when going to a newer GUS Display Builder software release, the display files are migrated and placed in a directory whose name includes the new version of GUS Display Builder.

3.2 How the GUS Display Search Tool Works

3.2.1 Components

The GUS Display Search Tool dialog box consists of two tabs. The tabs are labeled **What-Used** and **Where-Used**, each containing its own unique set of search and selection choices.

By default, when the Search Tool is first opened the **What-Used** tab is displayed as the front tab, as shown in the figure below.



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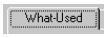
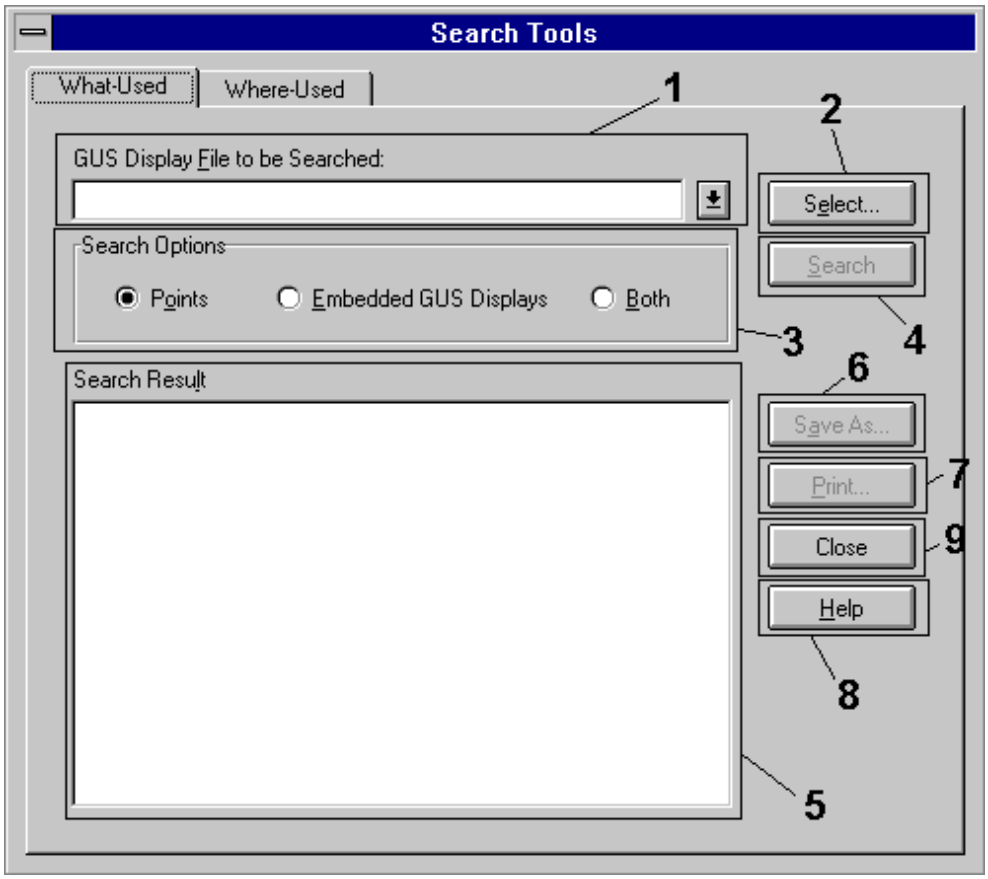
3.2.2 Functions of the What-Used tab

The  tab enables you to search for point names and embedded GUS displays that are contained in a particular GUS Display file.

Below are the components of the **What-Used** tab, followed by a description of each.



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Buttons or fields that are not selectable at this time are grayed-out. For example, Search, Save As…, and Print.

As there has been nothing identified in the GUS Display File to be Searched: field, the Search button is grayed-out, and remains grayed-out until the GUS Display File to be **Searched: field** is populated.

Attention

The descriptions of the Search Tools that follow contain actions where the mouse is used for selecting various buttons and fields.

Select buttons and fields by holding down the Alt key, and pressing the letter that corresponds to the underlined letter in the button or field name.

There are some cases where an upper case or lower case letter must be specified.

The following table contains a description of each of the **What-Used** components.

Ref #	What-Used Component Description
1	 Contains the (.pct) GUS Display file you want to search. The file to be searched is defined by using one of these methods: • Click **Select...** and select the appropriate drive, directory, and file Or • Enter the pathname (for example, C:\Honeywell\GUS\bin\stirtank2.pct) Or • Select the  .pct file from the drop-down list.
2	Click  .The **Select** dialog box appears. This enables you to choose the .pct file to be searched, by selecting the appropriate drive, directory, and file.
3	Search Options provides you with the following options of what you are searching for within that GUS Display File. • When  is selected, the search results contains all the point names associated with the selected display. • When  is selected, the search results contains all the embedded GUS displays associated with the selected display. • When  is selected, the search results contains all the points and embedded GUS displays associated with the selected display.
4	After the GUS Display File has been selected, and the desired **Search Option** has been selected, click  .The **What-Used** software searchs the selected GUS Display File. When the search is finished, if associated points and/or embedded displays were found, the search results are displayed in the **Search Result** field. If no points or embedded displays is found, the following message appears. 
5	 When you select **Points** in the search option, this field contains an alphabetical list of all point names associated with the selected GUS Display file. When you select **Embedded GUS Displays** in the search option, this field contains an alphabetical list of all Embedded GUS Displays associated with the selected GUS Display file. When you select **Both** in the search option, this field contains an alphabetical list of all point names and Embedded GUS Displays associated with the selected GUS Display file.
6	The  enables you to save the currently displayed search results into a text file (.TXT). Click **Save As…**. The **Save As** dialog box appears. Select the appropriate drive and directory, or choose a network server, then type a file name for that .TXT file.

Ref #	What-Used Component Description

7	Click Print... to print the currently displayed search results on the connected printer. For example, printer output:
	`Result of search for Points And Embedded GUS Displays in C:\Honeywell\GUS\bin\`
	
	`LCN.FIC21946.OP`
	`LCN.FIC21946.PV`
	`LCN.FIC21946.SP`
	`POSVALVE.PCT`

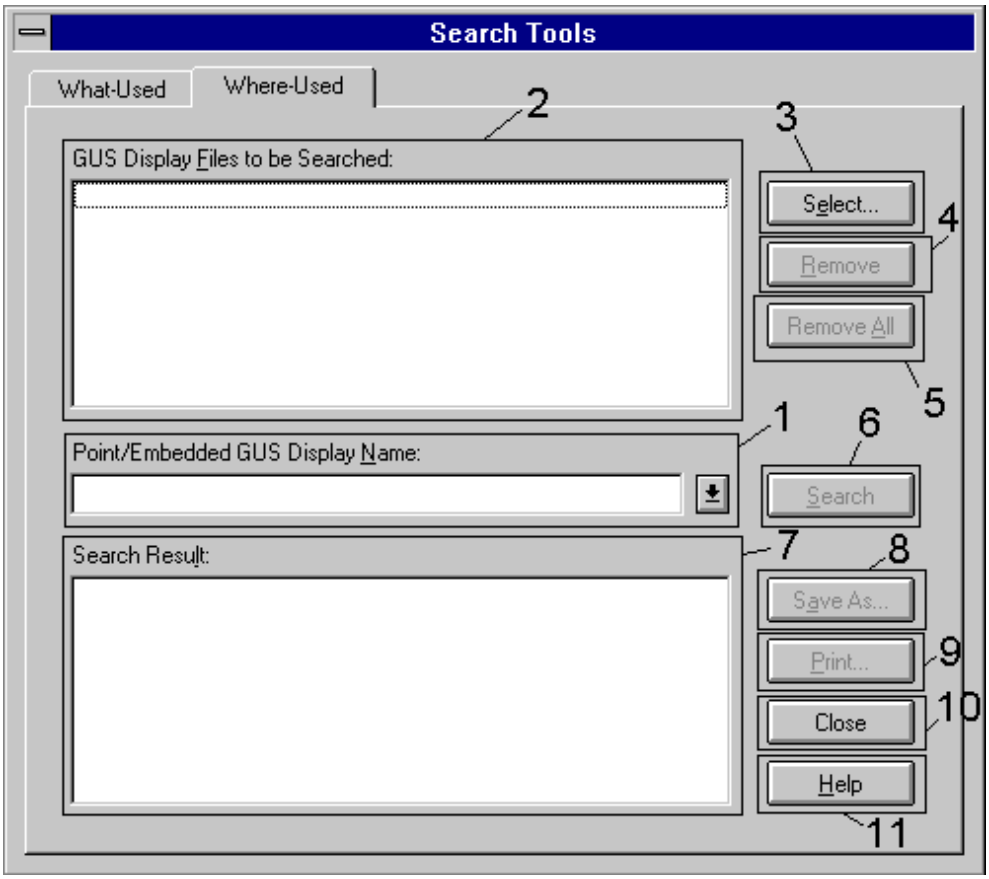
8	Click Help to display the help window, and search on key words to locate the specific **Search Tool** information.
9	Click Close to exit the **What-Used/Where-Used** search tool.

3.2.3 Functions of the Where-Used tab

The Where-Used tab defines which GUS Displays are associated with a given point or with a given embedded GUS Display.

Enter a point name or an embedded GUS display file name in the **Where-Used** dialog box and then using the **Where-Used** tool to search the selected GUS Display files.

Below are the components of the **Where-Used** tab, followed by a description of each.



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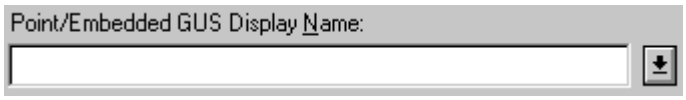
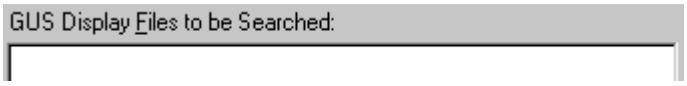
The table below contains a description of each of the **Where-Used** components.

Ref #	Where-Used Component Description
1	 Contains the point name or the embedded GUS display file names you want to search. The files to be searched is defined by using one of the following methods: • Enter the exact **Point** name (for example: lcn.tic22375.sp for search on a point) Or • Enter the E**mbedded GUS Display Name** (for example: benzine5.pct), Or • Select the  .pct file from the drop-down list.
	Wild cards (* and ?) cannot be used in this field.
2	 Contains the GUS display files you want to search. Click **S*e*lect** in the **Where-Used** dialog box.
3	Click  The **Select** dialog box appears.Select the GUS display file/s you want to search. You can also select the appropriate disk drive, the directory, and the .pct file to be searched.

Ref #	Where-Used Component Description	
	After you have clicked the **Select** button and have located a list of .pct File Names (some of which you want to include in the search list), hold down the Ctrl key and randomly click (select) each file you want to search. Each of the selected files is highlighted. When all files desired for the search have been selected, click **Select** in the **Select** dialog box. This places the selected file names in the **GUS Display Files to be Searched:** box. Then, select additional .pct files from other drives and directories by reopening the **Select** dialog box and selecting a different drive and/or directory.	
4	Click Remove if you have placed a file name in the **GUS Display *F*iles to be Searched** box that you do not require to be searched	
5	Click Remove All if none of the file names in the **GUS Display *F*iles to be Searched** box are to be searched.	

Ref #	Where-Used Component Description
6	Click Search once a point name or an embedded GUS display name has been placed in the **Point/Embedded GUS Display *N*ame** box and the name/s of the .pct file/s to be searched are in the **GUS Display *F*iles to be Searched**.
7	 If any .pct files (from those listed in the **GUS Display Files to be Searched:** box) are found to contain the requested point name or embedded GUS display name, those .pct files, including their entire pathname, is listed in the **Search Resu/t:** box. The results are listed alphabetically.
8	Click Save As... The **Save As…** dialog box appears. Select the appropriate drive and directory, or choose a network server, then type a file name for that .TXT file.

9	Click Print... to print the currently displayed search results on the connected printer. For example, printer output:
	`Lcn.fic21946.sp is used in the following GUS Display files:`
	`C:\Honeywell\GUS\bin\burner14.pct`

10	Click Help to display the help window and search on key words to locate the specific Search Tool information.
11	Click Close to exit the **What-Used/Where-Used** search tool.

4 Using the What-Used Tab

Related topics

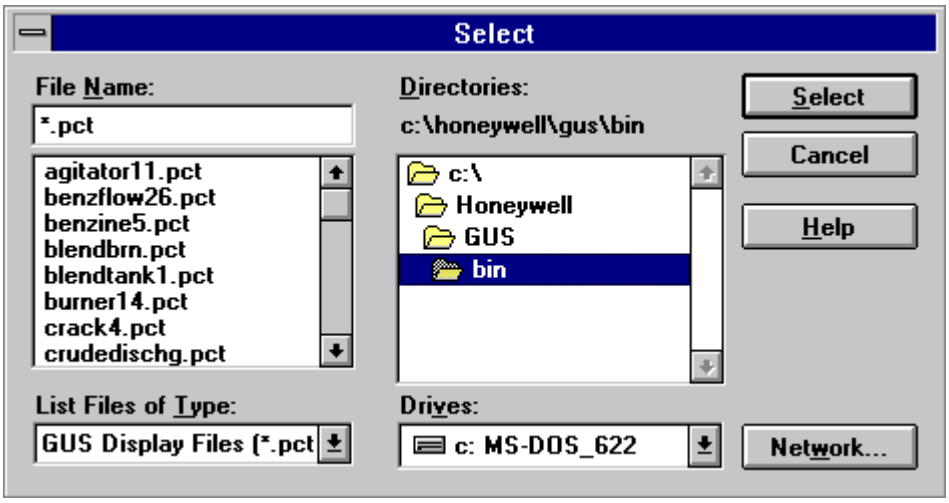
“Scenario for using the What-Used Tab” on page 20

4.1 Scenario for using the What-Used Tab

The following is a scenario in which the GUS Display Search Tool is used. In this scenario, you must find out what points are associated with the .pct file for Agitator 11. The following steps enable you to view the associated points.

1 To open the **Search Tool**, double-click the **Search Tool icon** from the **GUS Program Group**.

2 Click the Select... key to define which GUS display to search. The **Select** dialog box is displayed:

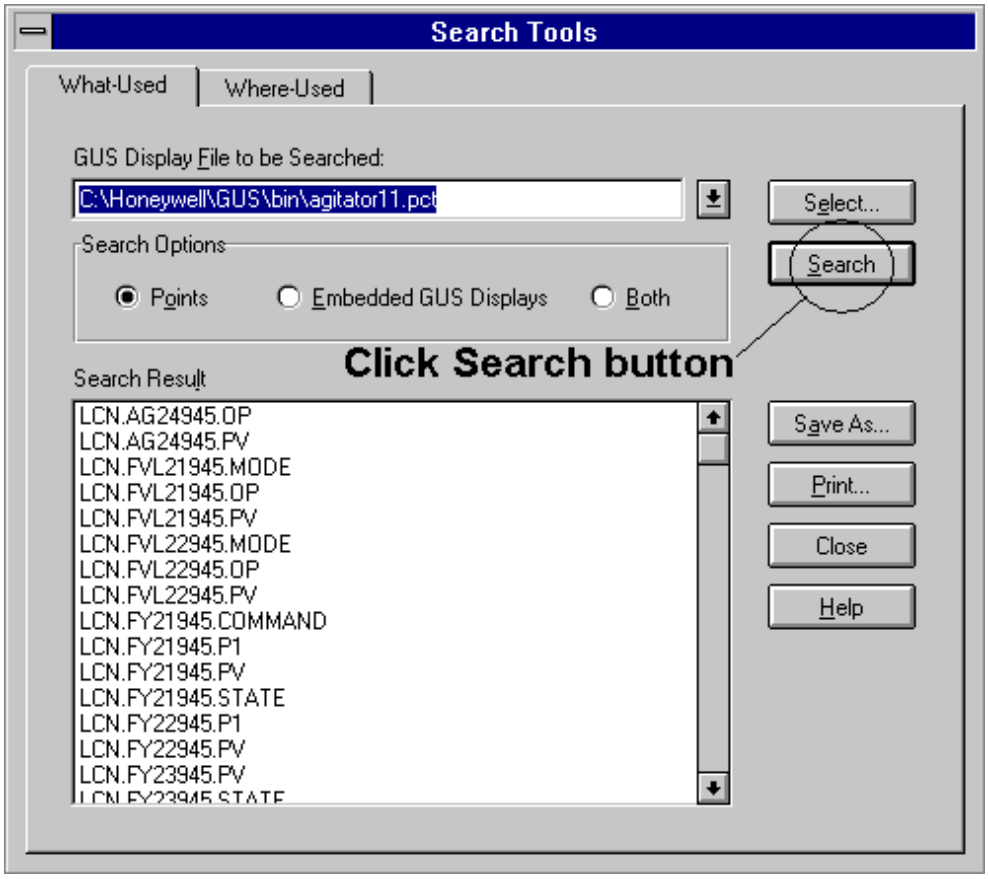


3 By default, the disk drive and directory are selected. The list contains the .pct files under File *N*ame. Select the file **agitator11.pct** from the list.

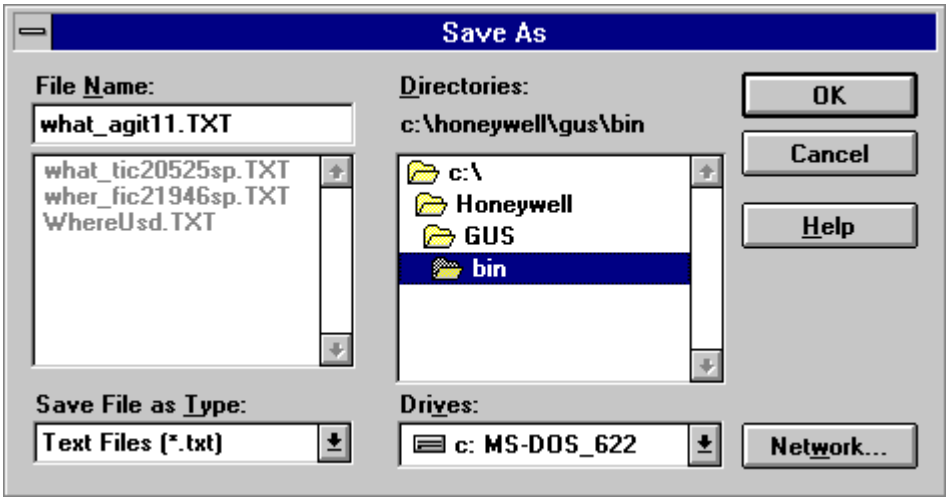
4 Click ***S*elect**. The selected .pct file and its pathname appears in the **GUS Display *F*ile to be Searched**: box.

5 Select the search option. Select Points to search only for point names,.

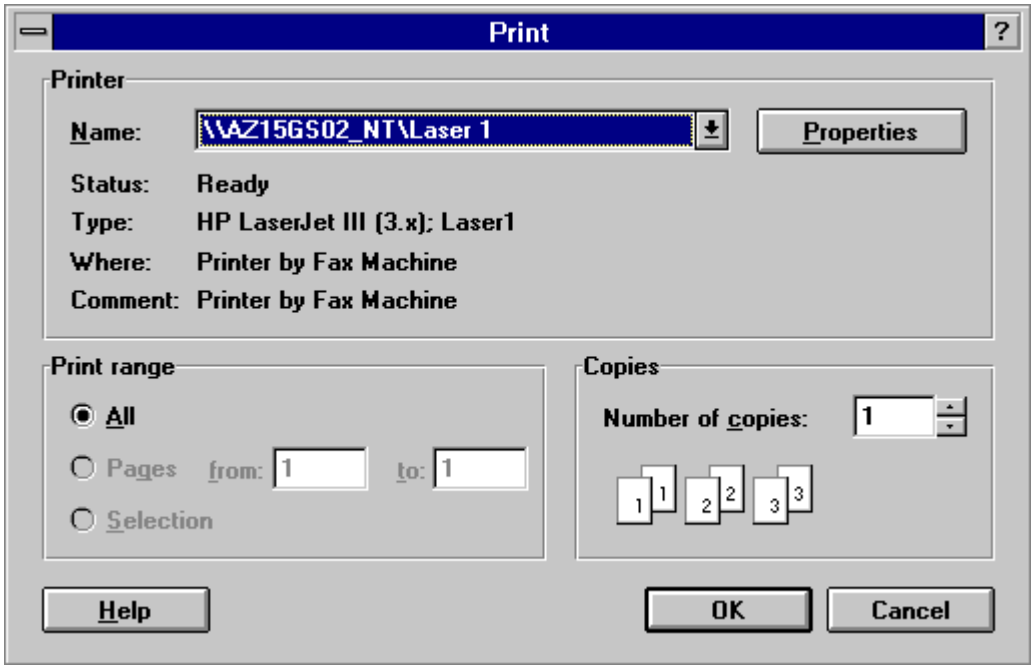
6 Click ***S*earch**. When the search is completed, the results are displayed in the **Search Resu/t** box, in alphabetical order.



7 Click Save As... . The **Save As** dialog box appears. Select the disk drive and directory to save the file. Enter the GUS Display **File** *N***ame** and click **OK** to save it as a .txt file.



8 To obtain a printout of the search results click Print... . The **Print** dialog box appears. Click **Properties** to modify the settings and then **click OK**.


Print
Printer
Name:
\\AZ15GS02_NT\Laser 1
Properties
Status: Ready
Type: HP LaserJet III (3.x); Laser1
Where: Printer by Fax Machine
Comment: Printer by Fax Machine
Print range
All
Pages
from: 1
to: 1
Selection
Copies
Number of copies: 1
Help
OK
Cancel

5 Using the Where-Used Tab

Related topics

“Scenario for using the Where-Used Tab” on page 24

5.1 Scenario for using the Where-Used Tab

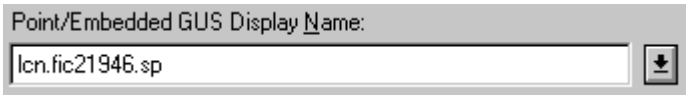
The following scenario displays the usage of GUS Display Search Tool to perform a **Where-Used** search. You must find the GUS Display files, associated with particular points. For example, the point lcn.fic21946.sp. has been selected.

Perform the following steps to use the **Where-Used** search option.

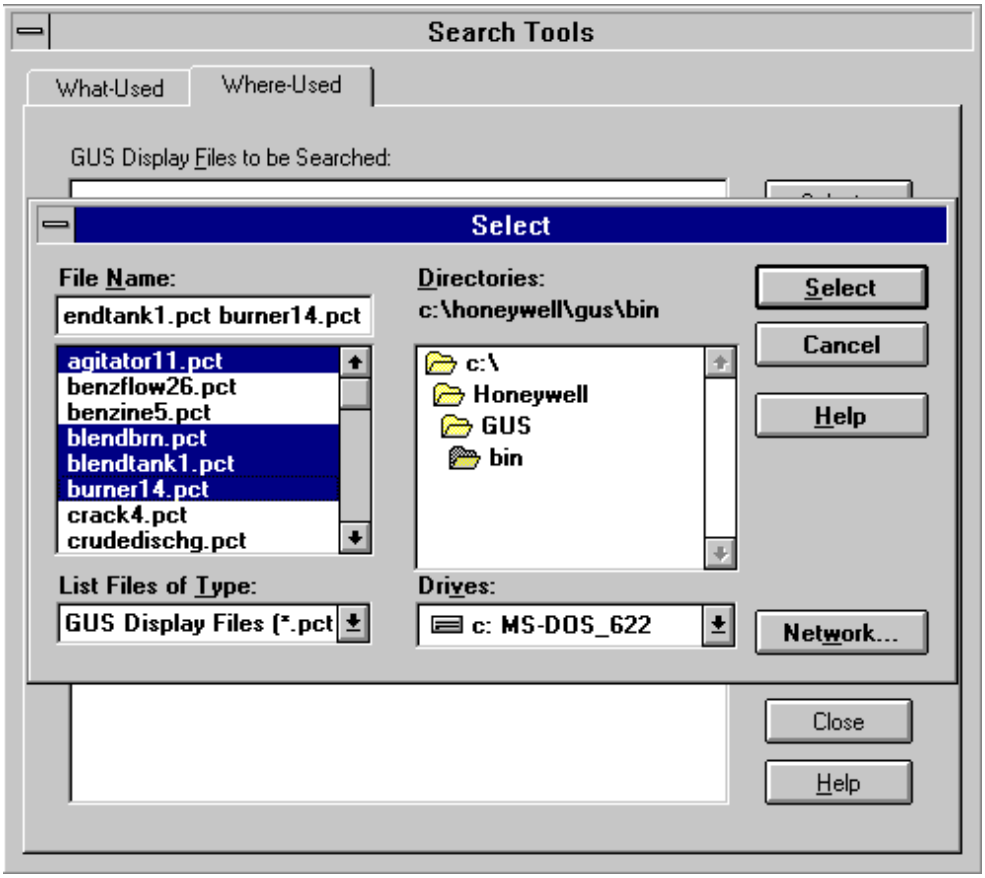
1 From the **GUS Program Group**, double-click the **Search Tool** icon .

2 Click the Where-Used tab.

3 Enter the point name or click to obtain a list of already used point and .pct file names. the selected point name appears inthe **Point/Embedded GUS Display** *N***ame:** box.



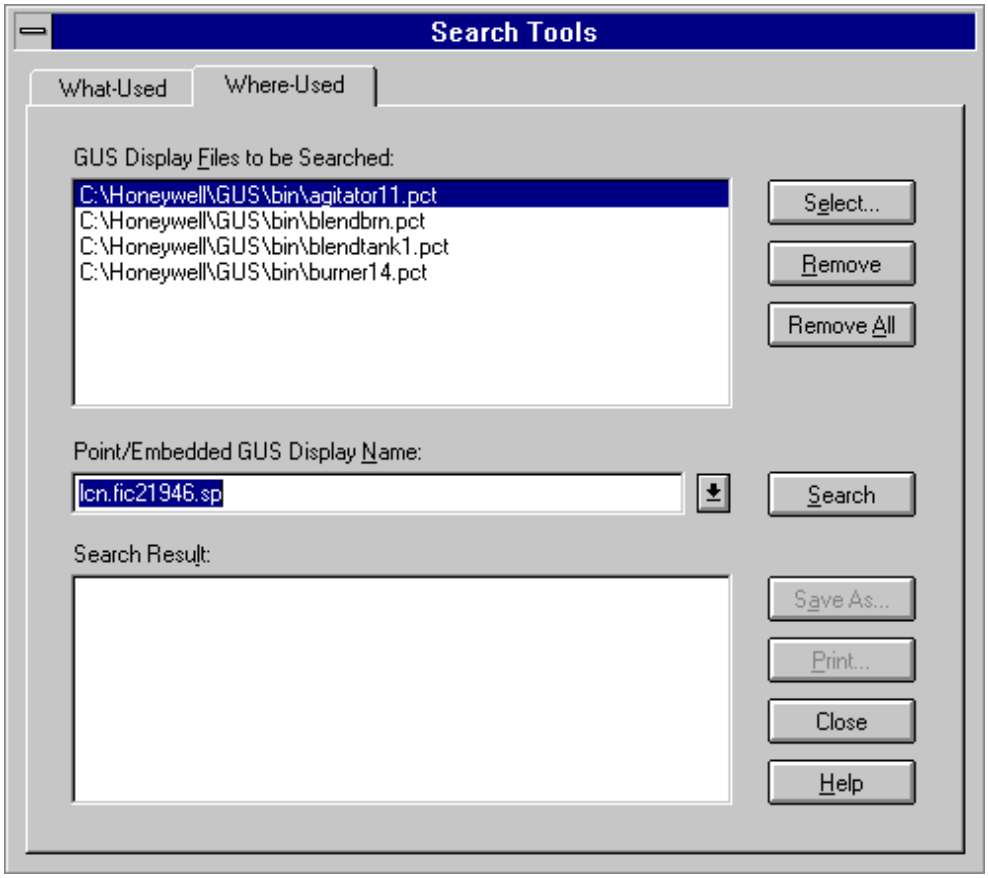
4 Click Select button to define the GUS displays to be searched. The **Select** dialog box appears.



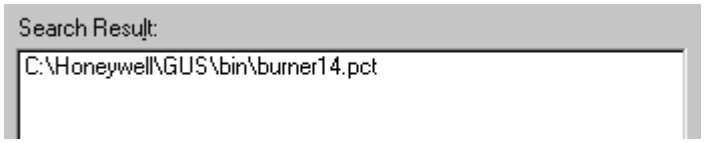
Select the following four GUS display files.

- agitator11.pct
- blendbrn.pct
- blendtank1.pct
- burner14.pct).

5 Click *S***elect**.The selected files appear under **GUS Display Files to be Searched**.

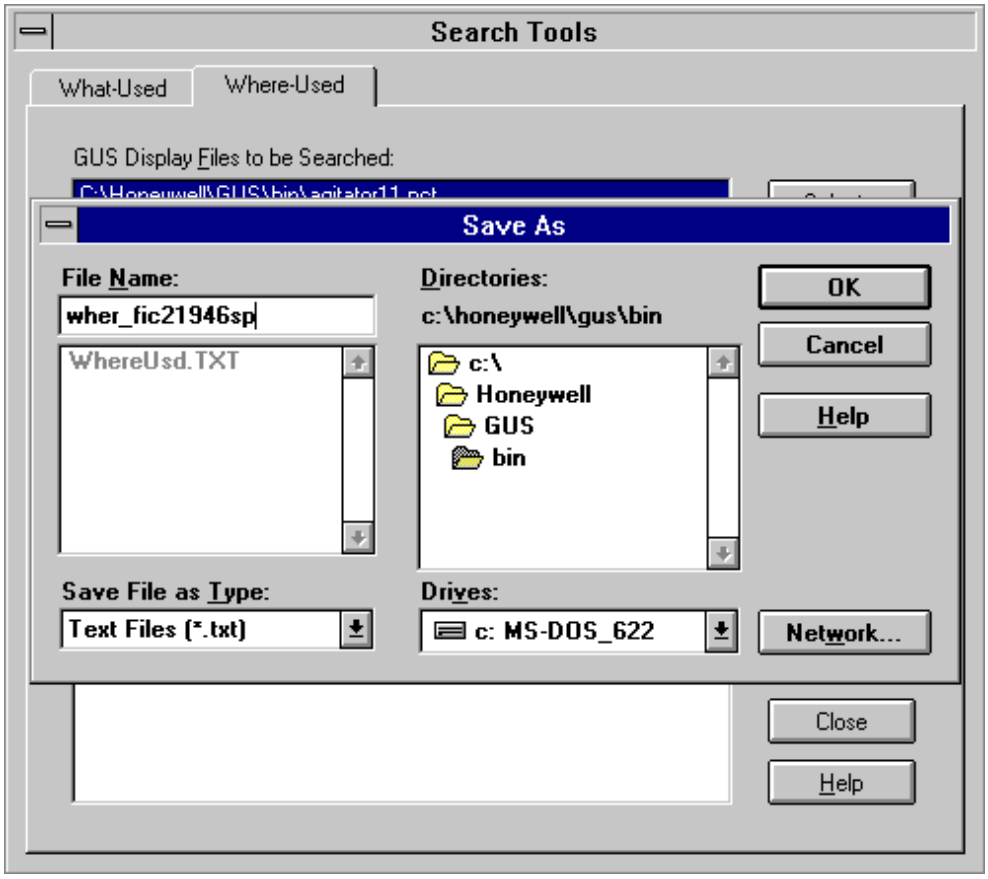


6 Click Search. The **Search Result** is displayed.

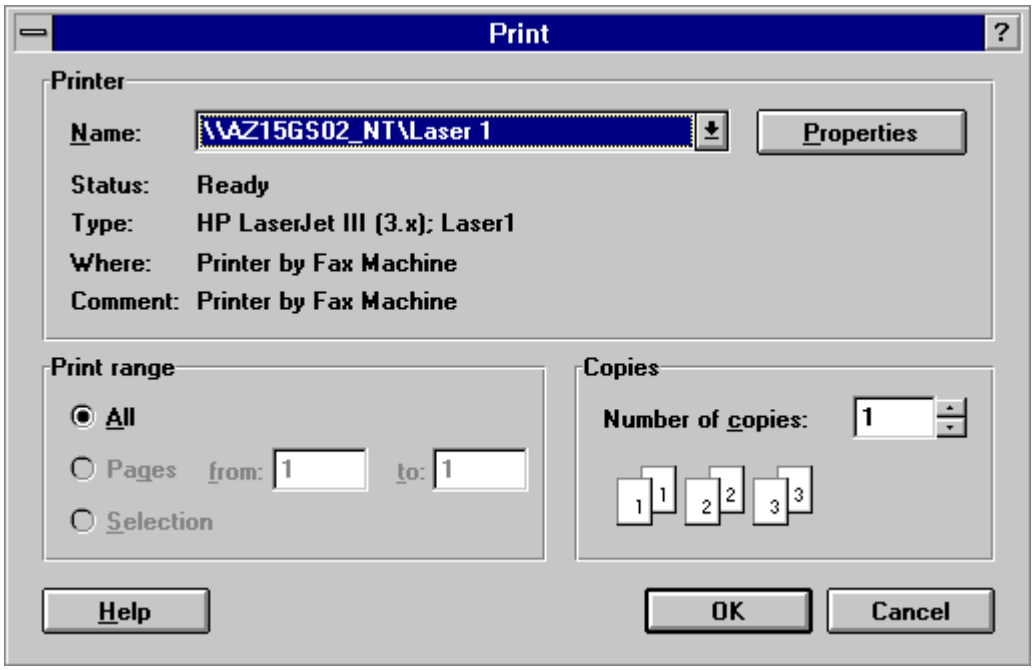


If the point was not found in any of the selected GUS display files, the following error message appears.

7 Click Save As... The **Save As** dialog box appears. Enter the point file name and select the drive and the directory where the file must be saved. Click **OK** to save as a .txt file.



8 Select Print... . The **Print** dialog box appears. Click **OK**.



6 Notices

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6.1 Documentation feedback

You can find the most up-to-date documents on the Honeywell Process Solutions support website at:

http://www.honeywellprocess.com/support

If you have comments about Honeywell Process Solutions documentation, send your feedback to:

hpsdocs@honeywell.com

Use this email address to provide feedback, or to report errors and omissions in the documentation. For immediate help with a technical problem, contact your local Honeywell Process Solutions Customer Contact Center (CCC) or Honeywell Technical Assistance Center (TAC) listed in the “Support and other contacts” section of this document.

6.2 How to report a security vulnerability

For the purpose of submission, a security vulnerability is defined as a software defect or weakness that can be exploited to reduce the operational or security capabilities of the software.

Honeywell investigates all reports of security vulnerabilities affecting Honeywell products and services.

To report a potential security vulnerability against any Honeywell product, please follow the instructions at:

https://honeywell.com/pages/vulnerabilityreporting.aspx

Submit the requested information to Honeywell using one of the following methods:

- Send an email to security@honeywell.com.

  or

- Contact your local Honeywell Process Solutions Customer Contact Center (CCC) or Honeywell Technical Assistance Center (TAC) listed in the “Support and other contacts” section of this document.

6.3 Support

For support, contact your local Honeywell Process Solutions Customer Contact Center (CCC). To find your local CCC visit the website, https://www.honeywellprocess.com/en-US/contact-us/customer-support-contacts/Pages/default.aspx.

6.4 Training classes

Honeywell holds technical training classes on Experion PKS. These classes are taught by experts in the field of process control systems. For more information about these classes, contact your Honeywell representative, or see http://www.automationcollege.com.