

Technical Support

Technical Bulletin

Distribution: Application Engineers, Technical Support
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Product: VISIONPRO **Rev:** 5.0 or earlier

___ INTERNAL ONLY

X Internal &
Customers (as needed)

___ Internal &
Customers (MANDATORY)

Title: CogBarcode Tool reports an unhandled exception

PURPOSE

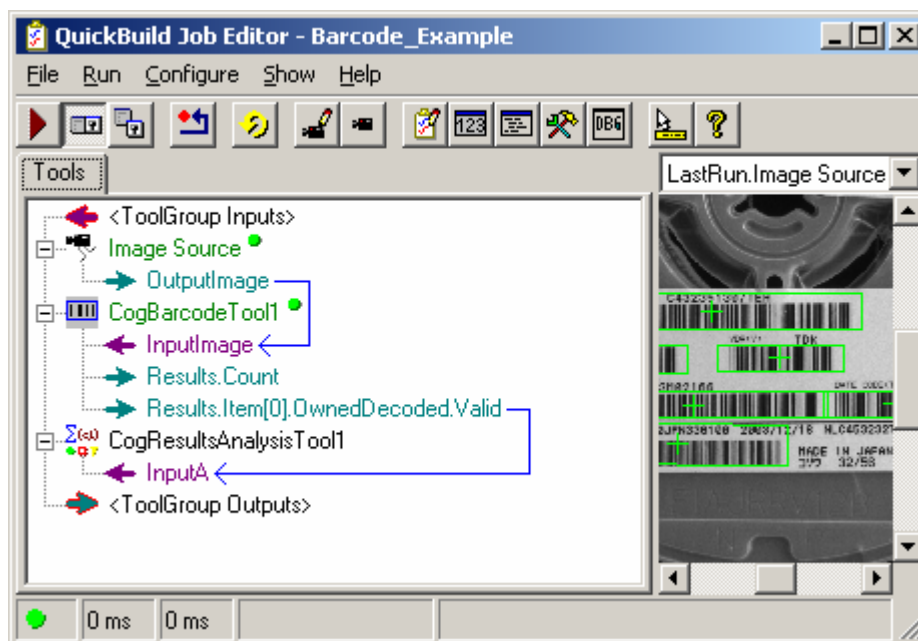
This document describes a problem specific to the CogBarcode Tool. Under certain circumstances use of the CogBarcode Tool or Edit Control within an application or within QuickBuild may result in an unhandled exception, a memory exception, or an access violation.

If you are observing an intermittent problem when using the CogBarcode Tool or Edit Control and your application has linked the results of the Barcode tool to some other tool, then the recommendation outlined in this bulletin should be followed.

TECHNICAL DETAILS

The problem only occurs when two conditions are met:

1. The results of the CogBarcode Tool are linked to another tool. One example of this is shown in Figure 1 where the CogBarcode results property is linked to a Results Analysis tool as an input terminal.
2. The linked tools are loaded into a VisionPro application (including QuickBuild) from a VPP file.



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Figure 1: CogBarcode Tool results linked to another Tool within QuickBuild

When those two conditions are met, the following unhandled exception may occur when running the application:

```
"Unhandled Exception: System.AccessViolationException: Attempted to read or write protected memory.  
This is often an indication that other memory is corrupt.  
at Cognex.VisionPro.Barcode.CogBarcodeResults.Dispose(Boolean disposing)  
at Cognex.VisionPro.Barcode.CogBarcodeResults.Finalize() "
```

The problem has been observed to be intermittent and may not necessarily occur upon the first time the application is run. The problem will not occur unless the de-serialization (loading a VPP file from disc or memory) has first occurred.

The problem is known to exist in VisionPro 4.1 and later, but is more easily reproducible in VisionPro 5.0.

MOVING FORWARD

If you are experiencing an unhandled exception when using the CogBarcode Tool as outlined in this document then contact Technical Support for access to a patch release called VisionPro 5.0 PR1 that resolves the problem.