

## Datadisguise



### Datadisguise - used in a 2-Dimensional Barcode

Solchar Datadisguise is an electronic encryption device that allows information with which it has been encoded to be passed between two independent computer systems. The method of transfer can be electronic or by the use of paper.

Datadisguise gives users opportunities to make productivity improvements, as the information passed between systems is both accurate and automated. This eliminates the need for re-keying and for checking accuracy of the data.

Possible applications for this enabling technology include:

- Providing the capability of web based forms to be completed and printed. This allows the information to be sent in the post with the appropriate signature or attachments. On receipt, the information is imaged using a scanning device and transferred automatically to accounting or other systems.
- Imaging of documents that accompanying goods in transit with the information passed directly to accounting or stock management systems
- Automated reconciliation of payment documents on their return to the issuing organisation.

Our **Datadisguise symbol generator** is an ActiveX® Control that generates 2-dimensional barcodes using the QR Code symbology for display and printout.

The **Datadisguise symbol interpreter** locates and interprets the 2-dimensional barcodes in an image using an ActiveX® Object.

To ensure that the meaning attached to the information is consistent throughout, the generator and interpreter use the same XML schema. For this reason, customers register their schemas with Solchar and get a unique, personalised build of the components. This makes their symbols unreadable by other interpreter systems.

The **Datadisguise** process for managing the combination of XML Schema, XML Instance Document and 2-dimensional symbol is subject to a patent application.

The amount of data that can be conveyed depends on a number of factors, notably how much space the symbol is allowed to take up and how well the original data lends itself to compression. In some circumstances more than 2K can be carried by a single symbol.

**Datadisguise** will allow several symbols on one document.