# MCS Perfect Match System

## Job Prep for Perfect Match System

The MCS Perfect Match System reads Data Matrix barcodes, and OCR sequence numbers. It is recommended that the customer standardize on a seven digit number to avoid duplicate printing. All numbers should have leading zeros, for example, "0000152".
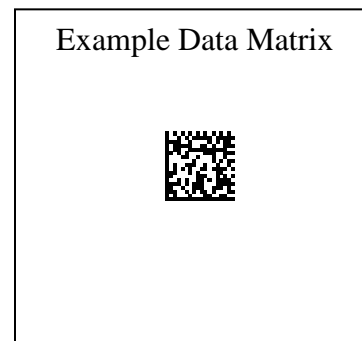
## Data Matrix Code

Size >= ¼", <= 1 ½"
Cell Size <=12 cells
DPI >= 300 dpi
Clear Zone >= ½" is nice, but may be less

> Example Data Matrix

The Data Matrix code can be printed anywhere that the camera can see it of the inserter. The data in the data matrix code should only be the sequence number. Leading zeros are required to give the barcode a uniformed size though out the job.
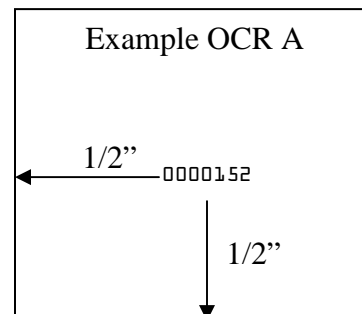
## OCR Sequence Numbers

Size >= 6 pt <= 8 pt
Font OCR A, or OCR B
DPI >= 300dpi
Clear Zone >= ½"
  ❖ clear zone must have no other print in area

> Example OCR A
>
> 1/2"  ← ──── 0000152
>
> 1/2"  ↓

Although the camera system can learn many fonts for OCR, we recommend standardizing on OCR A or B.

## Printing and Converting Issues

When using either the data matrix code or OCR sequence numbers, it is important to realize that the print quality from your laser system, and your converting process quality are critical for successful reads with the matching system.

When you start printing a job with your laser printer, make sure you incorporate quality control procedures regarding the barcode or sequence number. Look for erroneous

printing of dots or fuzzy printing. If the entire run is produced with faulty barcodes or OCR sequence numbers, there is little you can do to make it work.

When the document is converted (cut and or folded), it is critical that the cut and fold be identical on every form. The camera is looking at one spot to read the data, and if the pieces are folded even slightly differently, the system will not work.

**Data File**
Using the standard Array Imaging data file, place the sequence data in the first field. Other fields are possible, but not recommended. You cannot use record number. You must use leading zeros. Six or seven digits are recommended. Do not use the same sequence number within a job, even if you split the job up.