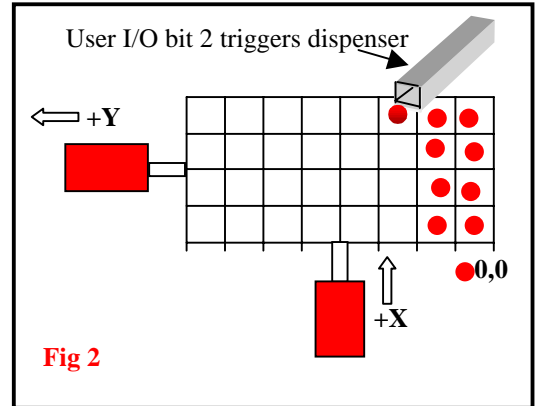


Application Example

➤ Movement of an X-Y Stage

The illustration in **Figure 2** suggests **movement of an X-Y stage** as it positions to accept small parts into an egg-crate container of 4 rows by 8 columns. There are 2000 steps from cell to cell. This example introduces "nested loops" and the use of User I/O lines, available on all OMS controllers.

AA * Address All axes
AC100000,100000 * Set acceleration of X & Y axes
VL25000,25000 * Set max velocities of X & Y axes
LS8 * Loop Start, execute 8 times (columns)
LS4 * Loop Start, execute 4 times (rows)
MR2000;GO * Move Relative, X only, 2,000 steps
BH2;WT1000;BL2 * Set Bit 2 High, Wait 1 sec, lower bit 2
LE * Loop End, 4 vertical slots are filled
MR-8000,2000;GO * Move X to start and Y left 1 column
LE * Loop End, all 32 slots will be filled
MR-8000,-14000;GO * Move Relative, back to 0,0 point



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