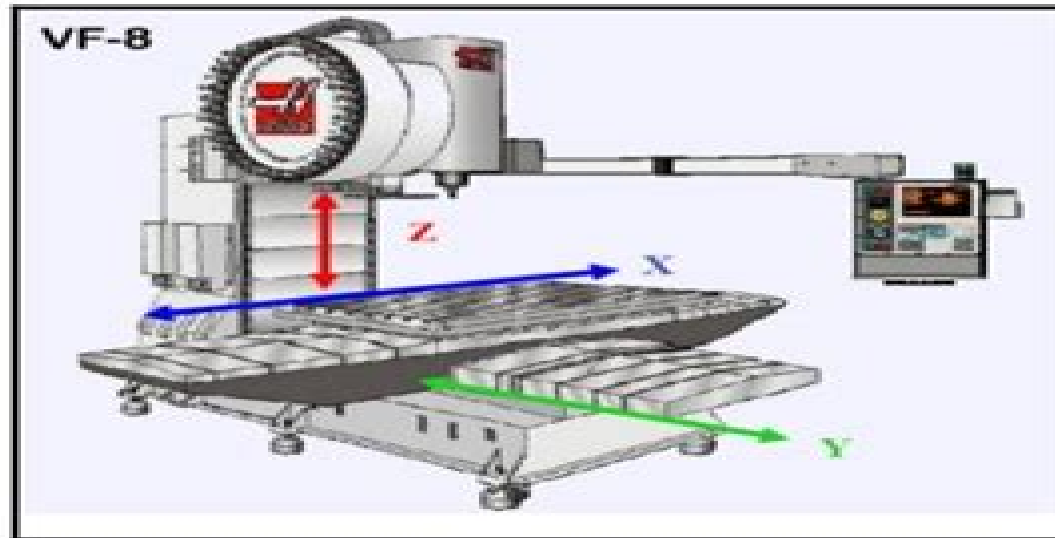


Vertical Machining Center Travels



Haas VMC (VF-8) shown with the X, Y, and Z axis

The machine illustration shows three directions of travel available on a vertical machine center. Now to carry the number line idea a little further, imagine such a line placed along each set of travels (or axis) of the machine.

The first number line would be the left-to-right, or "X", axis of the machine. Positive X values would move the spindle to the right on our part, and negative would move the spindle to the left.

If we place a similar number line along the front-to-back, or "Y" axis, and wanted to move the spindle to the back of the table, these would be positive values. Moving the spindle towards the operator would be negative values in the Y axis.

The third axis of travel on our machine is the up-and-down, or "Z" axis. A positive Z value will move the spindle up towards the tool change position, and negative values would move the spindle towards our part.

All axes of Haas VMCs have a resolution of .0001" inches (or .001mm).

Haas Vf3 Manual

Matthias Jarke



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