

# Command:VECTOR (VE)

MS2000 or RM2000 syntax

<b>Shortcut</b>	VE
<b>Format</b>	VE [axis]=[speed in mm/sec]...
<b>Units</b>	mm/sec

Tiger syntax

<b>Shortcut</b>	VE
<b>Format</b>	VE [axis]=[speed in mm/sec]...
<b>Units</b>	mm/sec
<b>Type</b>	Axis-Specific

The VECT0R command causes the stage to immediately ramp up to the velocity value specified by the command. The command arguments are expressed in units of mm/sec. The stage will continue indefinitely at the commanded velocity until the controller receives another command. A value of zero for the velocity component will halt motion on that axis. The controller will accelerate the stage to the commanded velocity at the rate specified by the ACCEL and SPEED commands until the commanded velocity is obtained.

**Query** VE X? [Y?] [Z?] Returns the current speed increment for the servo trajectory generator in units of mm/sec.

**Reply** :A is returned upon receipt of the command.

## Example

```
ve x=10
:A
<LF>
ve x?
:A X=9.999151
<LF>
ve x=0
:A
<LF>
```

[commands](#), [tiger](#), [ms2000](#), [SPIN](#), [SPEED](#), [VECTOR](#)

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