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A great deal of caution is needed when comparing specifications. Terms like "peak" or "instantaneous peak rating" when specifying torque, forces, or HP using terms like "as much as" or "up to" when specifying feedrates or tolerances are warning signals. Any rating should be available for at least one minute in order to be useful in machine tool applications. Milltronics specifies in what is referred to as "machine tool duty". This is approximately a 200% rating above a 30 minute rating for axis specifications. For spindle ratings we publish both one minute and 30 minute ratings. Typically a one minute rating is 150% above the 30 minute rating for spindle specifications, rather than as much as the 300% that we see some builders publishing. The "machine tool duty" is a rating that considers axis rest time, part load/unload time, lighter load times, and is generally typical to most applications. "Peak" is an overstated term and typically defines specifications, which define acceleration or deceleration terms **and may be available for only seconds.**

Regarding feedrates and tolerances, Milltronics specifies these ratings specific to an axis. Some builders may specify an 800 ipm rapid in X or Y as an 1100 ipm on a 45° angle, or they do not make allowances for lower voltages such as 208 VAC. Milltronics' feedrates are always constant regardless of the angle or plane.

Regarding feedrates and tolerances, Milltronics believes you have a right to know what you purchase, so all original motor labels on servos and spindle motors are left in place. Why would any builder remove these labels? Why would any builder significantly overstate specifications? We invite you to call Milltronics for additional details about specifications or to discuss our policy on these issues.