## Recommended Specifications for Hand Control Location

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| **Hand Control Location**  *(seated workstation)* | **Specification** | | **Description** |
| Max | Min |
| Vertical location of infrequently used controls.***)*** | 55” | 21” | Measurement is from floor to centerline of control. |
| Vertical location of infrequently used but critical controls (e.g. emergency stop). | 39” | 21” | Measurement is from floor to centerline of control. |
| Vertical location of frequently used controls. | 42” | 30” | Measurement is from floor to centerline of control. |
| Horizontal reach to infrequently used controls. | 22” | 9” | Horizontal reach is measured from shoulder joint to center of the hand. |
| Horizontal reach to frequently used controls. | 14” | 9” | Horizontal reach is measured from shoulder joint to the center of the hand. |
| **Hand Control Location**  ***(standing workstation)*** | **Specification** | | **Description** |
| Max | Min |
| Vertical location of infrequently used and/or critical controls (e.g. emergency stop). | 65” | 33” | Measurement is from standing surface to centerline of control. |
| Vertical location of frequently used controls. | 50” | 37” | Measurement is from standing surface to centerline of control. |
| Horizontal reach to infrequently used controls. | 22” | 9” | Horizontal reach measured from shoulder joint. |
| Horizontal reach to frequently used controls. | 14” | 9” | Horizontal reach measured from shoulder joint. |