

UltiMotion™

WinMax®9

What would a 30% reduction in cycle time mean to your shop?

More margin per part? More machine capacity? The specific benefits will vary for each shop, but it's easy to see how UltiMotion will pay for itself faster than any other control technology available.



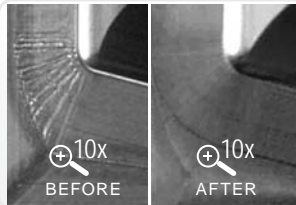
Conventional Motion Control



Hurco's Patented UltiMotion

Technology you can only get from Hurco

The secret to UltiMotion is the advanced trajectory algorithm in the software that generates significantly faster yet smoother motion than any hardware only solution.



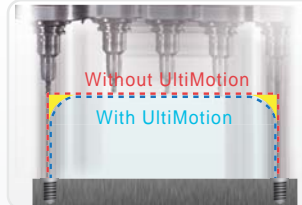
Improve Surface Finish.

UltiMotion reduces machine jerk during direction changes by 50%, resulting in smoother motion. That means less chatter marks, less vibration, better surface finish.



Reduce Cycle Time.

Cornering velocity with UltiMotion is 2.5x faster than conventional motion. Combine this with Hurco's advanced motion planning and you get faster cycle times that further improve with the complexity of your part geometry.



Faster Drilling/Quality Tapping.

UltiMotion significantly reduces cycle time when you have repetitive tasks, such as drilling or tapping by taking the shortest path from hole to hole. No need to worry about good taps either, as UltiMotion always provides perfect machine synchronization.



Extend Machine Life.

The smoother the ride, the less stress placed on the entire machine and its components. Reduced machine jerk also maintains the accuracy of your machine longer.

UltiMotion technology is covered under US Patent Nos. 7,450,127; 7,693,588; and 7,792,604.

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