Constant Velocity Double Reduction Time Belt Drive System, Copy Machine
TIMING BELT SERVO HARDWARE CONFIGURATION

Periodic errors at

Once around of input shaft, idler shaft, output shaft, and harmonics
due to axis misalignment and machining inaccuracies
Once around of the input belt, output belt and harmonics
Including tooth meshing frequencies

References 24,25,26
FREQUENCY SPECTRUM OF OUTPUT VELOCITY ERRORS

Timing belt drive system

References 24,25,26
FREQUENCY SPECTRUM OF VELOCITY ERRORS
Repetition 50
Repetitive control law: Batch update phase cancellation RC

Reference 1, 25