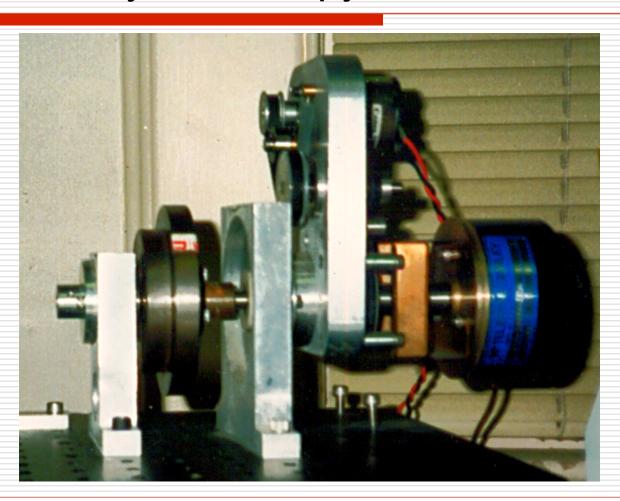
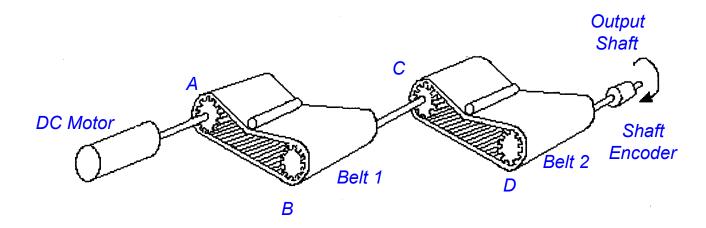
Constant Velocity Double Reduction Time Belt Drive System, Copy Machine



TIMING BELT SERVO HARDWARE CONFIGURATION

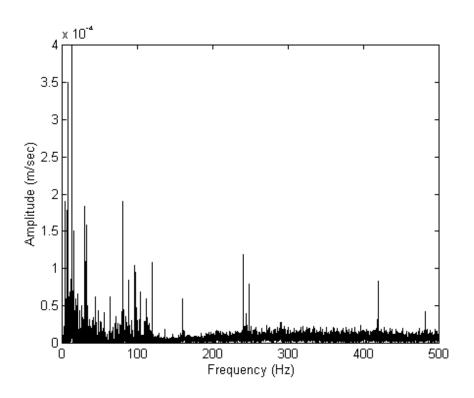


Periodic errors at

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

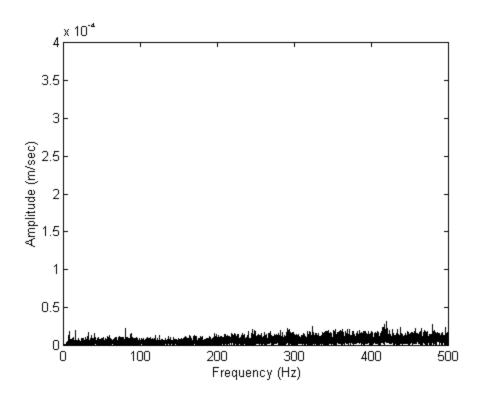
FREQUENCY SPECTRUM OF OUTPUT VELOCITY ERRORS Timing belt drive system



References 24,25,26

FREQUENCY SPECTRUM OF VELOCITY ERRORS Repetition 50

Repetitive control law: Batch update phase cancellation RC



Reference 1,25