

# MOTION CONTROL REPORT



ARCHITECTURE  
TECHNOLOGY  
CORPORATION  
SPECIALISTS IN COMPUTER ARCHITECTURE

P.O. BOX 24344 • MINNEAPOLIS, MINNESOTA 55424 • (612) 935-2035



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MAYFIELD HOUSE  
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OXFORD OX2 7DH  
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## **FOREWORD**

Motion control can be broadly defined as the act of controlling the position and velocity of a load. In today's manufacturing environment, motion control plays a major role in virtually every project.

Motion control can be broken down into many different types of prime movers. Those movers include, but are not limited to, servo motors, gear motors, stepper motors, and motor drives. Servo amplifiers and various encoders are the principal instruments used with many prime movers to determine and ensure proper positioning and control of the load. The most prevalent prime mover is the servo mechanism.

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