

Application Note – Drive Synchronization Using Dart ASP Series

Requirement: Operate multiple motors in proportion to each other (ex: batching, blending or synchronized parts feed)

Solution: Use Dart ASP Series SMART (closed loop) Speed Pots in Master / Follower Mode

Valid for Models: ASP10 or ASP40 used with ANY drive that accepts 3 wire speed pot input

ASP40 MASTER Configuration (changed from Default)

Parameter	Value
P30*	Desired Display Value (ex: units/min)
P31*	Motor RPM at Desired Display Value
P32	S1 pulses/rev

*If RPM of motor is the desired display value, only P32 is changed

ASP40 FOLLOWER Configuration (changed from Default)

Parameter	Value
P10	Set to 3 (Follower Mode)
P13*	Set to 3 for decimal point (XXX.X)
P32	S1 pulses/rev
P37	S2 pulses/rev

*optional

