

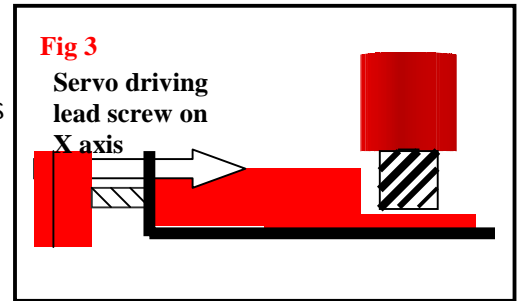
Application Example

➤ Servo Motor Control

The example in **Figure 3** deals with the use of **servo motor control** to push heavy stock of uneven density into a router blade. The task of the motion controller is to accept high speed input from a shaft position encoder and keep the motor tracking toward the desired final encoder count. PID filter parameters may be sent to an OMS servo controller at any time. Therefore, multiple sets of values may be kept on file and sent to the controller as needed, in milliseconds.

AX
AC500000;
VL100000;
KP50; KI3; KD35.1;
HN
MA20000;GO

- * Address the encoder/motor on the X axis
- * Specify an acceleration of 500,000 encoder pps²
- * Specify a constant velocity of 100,000 encoder pps
- * PID filter parameters for this motor/load
- * Enable PID filter position correction
- * Move Absolute 20,000 encoder counts into cutter



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