

VULCAN SINGLE & DUAL AXIS SERVO PULLER CUTTER

KNIFE AXIS (All Models):

- Two modes of operation - On Demand and Continuous
- Direct coupling of knife to motor armature - no clutches or brakes in knife drive train
- Absence of clutch or brake provides low inertia of moving parts - higher knife accelerations and blade contact velocities are possible
- Knife pivot axis located to accommodate longer knives - provides higher blade contact velocities
- Park accuracy in on-demand mode - .001%
- Knife axis synchronized to belt axis within .001%
- Knife can be extended away from puller for start-up

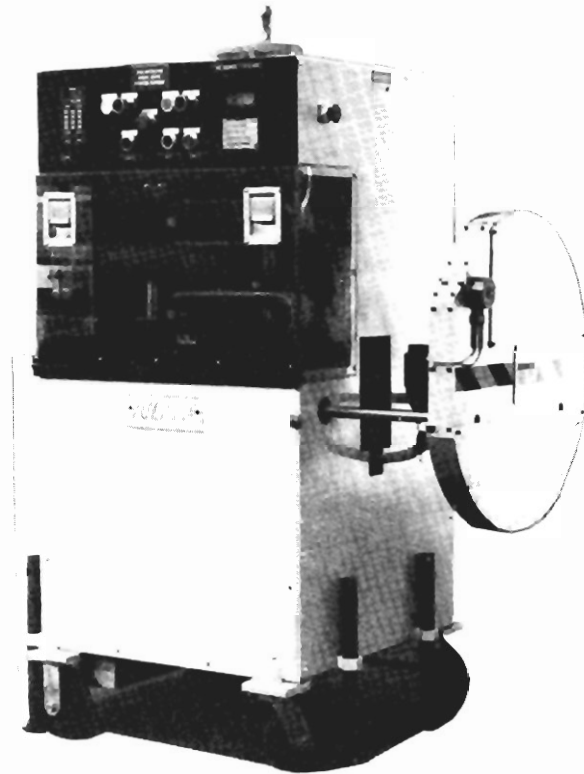
PULLER DRIVE:

SINGLE AXIS SERVO UNIT

- DC-SCR Digital, closed-loop, quartz regulated
- Speed regulation of $\pm .07\%$ of motor output shaft speed
- 25 to 1 Speed range
- Belt nip opens about extrudate center line
- Pneumatically actuated nip
- Infinitely adjustable nip opening stop
- Belt covering - 1/4" thick, non-marking, neoprene or natural rubber

DUAL AXIS SERVO UNIT

- 48 inch - pound Servo motor drive and controller
- Speed regulation of $\pm .001\%$ of motor output shaft speed
- 1750 to 1 speed range
- Belt nip opens about extrudate center-line
- Pneumatically actuated nip
- Infinitely adjustable nip opening stop
- Belt covering - 1/4" thick, non marking, neoprene or natural rubber



Note: Knife shown extended from puller belt for start-up

MODELS AVAILABLE:

Model No.	Maximum Bushing Diameter	Knife Axis Drive	Puller Axis Drive	Drive Belt Size
SPC-1	1"	Servo-motor driven and controlled 33in-lb torque rating	DC-SCR	3" Wide 10" Contact Length
SPC-2	2"	Servo-motor driven and controlled 48in-lb torque rating	DC-SCR	3" Wide 10" Contact Length
SPC-1D	1"	Servo-motor driven and controlled 33in-lb torque rating	Servo-motor driven and controlled 33in-lb torque rating	3" Wide 10" Contact Length
SPC-2D	2"	Servo-motor driven and controlled 48in-lb torque rating	Servo-motor driven and controlled 48in-lb torque rating	3" Wide 10' Contact Length

MACHINE FRAME:

- Frame - structural tubing weldment
- Electrical interlock on puller nip door and knife guard
- Electrical interlock on machine housing access door

ELECTRICAL

- Unit is equipped to operate on 230 Volt/3 Phase/60 Hertz service
- Optional electrical capabilities are available



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