

SERVOMASTER SAWS

The advanced technology Servomaster saws are designed for fast, highly accurate cuts on small and medium diameter pipe at high line speeds for both short and long lengths. This robust saw is built for reliable, long-life, and quiet operations under even the toughest conditions.

HIGH-SPEED, ROBUST EQUIPMENT THAT MAKES THE CUT

Servomaster advanced technology includes an oversized brushless AC servo motor and oversized planetary gear reducer, coupled with an exceptionally robust belt-drive actuator yielding a fast and accurate saw that will also tolerate the toughest conditions found in any PVC pipe plant. The actuator is also highly resistant to sawdust and impact. Cut-length repeatability is proven to be +/- .035 inches.

SIMPLE MOTION PROGRAMMING

Servomaster controls utilize the Allen-Bradley CompactLogix PLC with integrated motion controller, Allen-Bradley Kinetix Servo Drive, and user-friendly Allen-Bradley Rockwell Software (Studio 5000) programming tools. Unlike other servo controllers, the Allen-Bradley system uses ladder logic programming tools and simpler motion programming. A worldwide base of servo controllers with Ethernet-based tech support that will keep your Allen-Bradley system up and running.

**High-Speed,
Servo-Controlled**

**Heavy-Duty
Design Handles
Tough Conditions**

**Minimal Vibration
During Operation**

**Dust Collection
Ports**

**Bi-Directional
Setup**



PLASTICS EXTRUSION MACHINERY LLC

*The Next Generation in
Innovative Downstream Equipment*

PPFA
MEMBER
PLASTIC PIPE
AND FITTINGS
ASSOCIATION



ADDITIONAL FEATURES

- Bi-directional setup that allows the saw to be used right-to-left or left-to-right.
- Stainless steel table covers prevent pipe from wearing away the aluminum table surface.
- Panel guards prevents the operator from coming into contact with the saw blade during operation.
- Saw chip control allows for a cleaner operation with an optional dust collector.
- Saws blades are not included with the saws and are sold separately to ensure the right blades are selected for the proper application (several blade styles are available).



ROBUST DESIGN

The Servomaster saw is built for fast, heavy-duty, inline cutting of PVC pipe and includes: Heavy-duty sawing mechanisms, lower frame ballast to minimize vibration during high-speed operation, provisions for tying down to the floor, jacks for height adjustment, and a port for dust collection. Pacer encoder rides on top of the extrusion product and is mounted to your puller with a THK linear slide for a more accurate operation.

FAST LINE SPEEDS

Maximum line speed is approximately 130 ft/min. These saws can cut four-foot lengths of small-diameter product at this line speed. At slower line speeds of 36 feet per minute, the saw can cut lengths as short as nine inches.

LONG LIFE AND QUIET OPERATION

Extra duty arbor bearings, with a precision tolerance shaft, ensures long life and quiet operation. The undercut saw motor, sliding frame operates in a straight vertical motion and rides on THK-style linear bearings to ensure a precise cutting motion. The cutting table also rides on a Thomson linear bearing system for smooth travel along with precision and rigidity. Cam followers mount on the other side of the cutting table to prevent misalignment and assure long bearing life.

SAFE OPERATION

Pneumatic adjustments for sawing motions and clamping are mounted on the control door, which is made of a strong steel frame with pivoting front door for access. One fixed guard, and one traveling guard are provided to help keep operators away from the sawing and clamping mechanisms.



PLASTICS EXTRUSION MACHINERY LLC

 **PEM Office**
620.241.3873

PEM Customer Service Line
1-855-PEM-SUPPORT
(1-855-736-7877)

 www.pemusa.com
 sales@pemusa.com

 **PEM Main Office**
2475 Northview Rd.
McPherson, KS 67460

OUR COMMITMENT TO YOU

The PEM that you have once known, is no longer the same. Today, it has new ownership, has hired some of the best minds in the industry, and is looking to a future of new innovations, enhanced products and unmatched quality of service. Bottom line: We have you and your plant in mind! We want to earn your trust by providing you with innovative solutions today and for years to come!