

## CUT COSTS AND TIME

Plastics Extrusion Machinery LLC (PEM) has been building sturdy, dependable, precision saws for many years. Our experience paired with our highly skilled team of engineers ensures that our saws will provide an accurate cut time after time. Designed for intense use over a long period of time, our saws can save you money on expensive repairs. See how we can help you cut costs and save time.



PLASTICS EXTRUSION MACHINERY LLC

*The Next Generation in  
Innovative Downstream Equipment*

PPFA  
MEMBER  
PLASTIC PIPE  
AND FITTINGS  
ASSOCIATION



## PRECISION SAWS THAT MAKE THE CUT

Our dependable, heavy-duty saws are built to last and feature solid steel construction and innovative technology in a variety of different configurations. Up-cut or down-cut, rotary or chop, traveling, or utility, we have a solution that will meet or exceed your expectations. Our precision saws are built for the long haul, are easy to maintain, and provide years of reliable service.

### PNEUMATIC TRAVEL SAWS

An economical solution for cutting pipe and profiles to extremely consistent lengths; these overhead chop-style (up and down-cut versions available) saws will provide smooth cuts at high line speeds. They are well suited to single or twin-line, operating side-by-side on a C-C distance as small as 13 inches.



### SERVOMASTER TRAVEL SAWS

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.



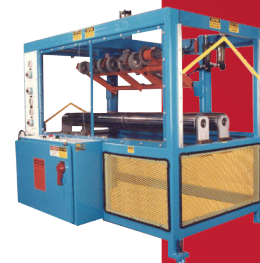
### ROTARY SAWS

The model 730 series rotary saws are designed to cut, or chamfer cut plastic pipe in sizes ranging from ½ to 24 inches. These saws are user-friendly, easy to maintain, and feature solid steel construction.



### UTILITY SAWS

The model 715 utility saw can be used in a variety of different ways including as a regrind saw, coupling saw, fittings saw, fabrication saw, and sample saw. An optional indexing unit with a support table has been added to some installations in order to have a continuous cutting system for high output fabricators.



Compact Design

Well suited for twin-line use

PLC Control

Dust Collection ports

Smooth cuts at high line speeds



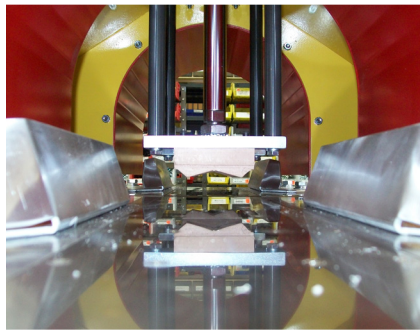
## PNEUMATIC TRAVEL SAWS

### FEATURES AND BENEFITS

- Up-cut and down-cut options
- Suitable for single or twin-line use
- Operating mechanisms are above the table to allow for quick cuts
- Rugged, tubular, steel frame with industrial duty components
- Dust collection accessories catch nearly 99% of debris
- Heavy-duty bearings, with precision tolerance shaft and simple cam rollers allow for smooth, precision motion and long life
- Pipe or profile clamps minimize clamping delay and help assure consistent cut lengths
- Multi-level limit switch for protection against overtravel and malfunction
- Electrical controls housed in NEMA 12 cabinet for protection from sawdust and damage
- “CATO” assisted takeoffs synchronize product with table speed
- Conveniently located pneumatic controls

### OPTIONAL FEATURES

- “Saw-Up” shock absorber for high speed operation
- High-resolution electronic encoder/counter assembly to provide saw cut signal to saw PLC control unit
- Hand operated leveling jacks for height adjustment
- Air reservoir
- Several saw blade options (sold separately)
- Dust collection unit



Model	Cut Type	Pipe Size
CS2	Down-Cut	½" - 2"
CS3	Down-Cut	½" - 3"
ZX-3	Up-Cut	½" - 3"
ZX-4	Up-Cut	½" - 4"
ZX-6	Up-Cut	½" - 6"
ZX-8	Up-Cut	½" - 8"





High-Speed,  
Servo-Controlled

Heavy-Duty  
Design Handles  
Tough Conditions

Minimal Vibration  
During Operation

Quiet, smooth  
operation

Dust Collection  
Ports

Bi-Directional  
Setup

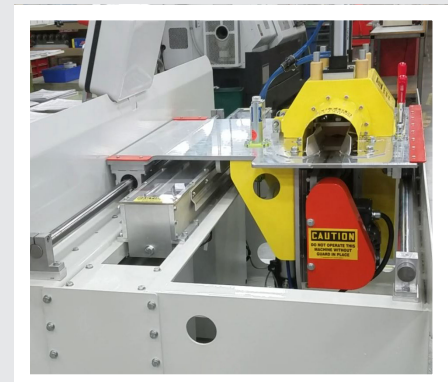
## SERVOMASTER TRAVEL SAWS

### FEATURES AND BENEFITS

- Precision linear guideways to support up-cutting saw action of heavy pipe
- 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
- Up-cut and down-cut options
- Allen-Bradley CompactLogix PLC with integrated motion controller
- Allen-Bradley Kinetix Servo Drive
- A-B Rockwell Software Studio 5000 programming tools
- Extra-duty arbor bearings with precision tolerance shaft for long life and quiet operation
- Frame ballast to minimize vibration during high-speed operation
- Provision for tie-down to floor
- Jacks for height adjustment

### OPTIONAL FEATURES

- Several saw blade options (sold separately)
- Dust collection unit



Model	Type	Pipe Size
SM21-CS2	Down-Cut	½" - 2"
SM21-CS3	Down-Cut	½" - 3"
SM21-Z3	Up-Cut	½" - 3"
SM21-Z4	Up-Cut	½" - 4"
SM21-Z8	Up-Cut	½" - 8"



## ROTARY SAWS

### STANDARD FEATURES

- Change pipe sizes in under three minutes
- Chamfer adjustments made in as little as 15 seconds
- Saw head mounted on spring cushioned base to alleviate operational shock
- No tools required to change pipe sizes or chamfer adjustments
- Universal fit clamps
- Solid steel construction
- Adjustable footpads
- Safety guard package
- Use and maintenance friendly
- Left-hand or right-hand operation
- Twin-line capabilities

Model	Type	Pipe Size
730/4	Rotary Saw	½" - 4"
730/8	Rotary Saw	2" - 8"
730/16	Rotary Saw	4" - 16"
730/24	Rotary Saw	8" - 24"

## UTILITY SAW

This sturdy, manual feed saw has a wide variety of different applications and can be customized to your preferences. It has been used as a regrind, coupling, fitting, fabrication, and a sample saw.

### OPTIONAL FEATURES

- Automatic indexing unit with a support table
- Chip removal system
- Chamfering on the saw unit



PLASTICS EXTRUSION MACHINERY LLC



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Model	Type	Pipe Size
715	Utility Saw	1½" - 30"