



2017 ANNOUNCEMENT:

Cooper Machine & Tool Company was purchased by AFA Systems Inc. and renamed AFA Cooper Inc. Please see our new contact information below.

AFA Cooper Inc. (formerly Cooper Machine & Tool Co.)

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We are a Canadian manufacturer of custom machinery since 1978, specializing in plastic bag converting machinery. With our superior design and flexibility, we provide quality machinery at competitive prices worldwide. We manufacture all equipment from our plant facility located near Toronto, Ontario. Our exceptional after sales service ensures the smooth and continuous operation of your production lines. Cooper Machine offers **High Quality, Flexible Custom Design and After Sales Service.**

Cooper Machine designs and manufactures the following converting machinery applicable directly inline after the thin film extrusion process or with large stand-alone rolls offline. Individual machines or entire production lines are available depending on your requirements such as:

- Winders
- Folders
- Separators
- Bag Machines
- Other Machines
- Attachments and Accessories

Our new parent company [AFA Systems Ltd.](http://www.afasystems.com) manufactures custom automation packaging equipment for all industries including case packers, cartoners, palletizers, accumulators, tray packers, etc.

Bag Machines

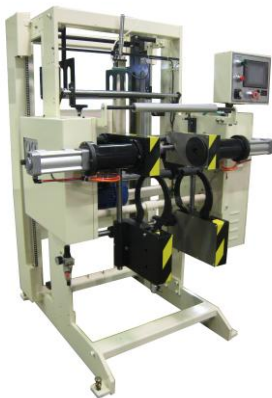


Bottom Seal Shuttle Bag Machine

Size Range: 30" – 100" (10" increments)

Our Shuttle Bag Machine (hydraulic or servo model) can seal the bottom or sides of bags up to 100" wide for consumer to industrial grade bags. With PLC control, the bag length and head pressure can be adjusted during operation. With a heavy duty frame, a heat treated and stress relieved head and platen, this machine is stable and durable. The shuttle track provides a reliable and consistent output for bags up to 16 mil total as the hydraulic operated head provides a strong consistently seal for heavy gauge material. In addition, this self-contained unit consists of a special hydraulic unit with an air cooling system keeping maintenance low. Options offered for this bag machine include a hole punch unit, eye system, or a seal head unit for garment bags.

Winders



Core/Coreless Winder

Size Range: 16" – 28" (6" increments)

Our Core/Coreless Winders operates at high speeds up to 325 ft/min, counts the number of clear or printed bags in various sizes, and automatically roll changes up to 10 roll changes/min. With PLC control, sensors, and a counter weight system for the accumulating dancer, this winder produces the best quality finished core or coreless rolls of plastic bags. This fully automated winder is simple and operator friendly as adjustments are easy to make while in operation. Our winder features an optional core attachment for automatic coring. Also offer a faster Turret Coreless Winder model for small short count rolls.



Surface Winder

Size Range: 54" – 94" (10" increments)

The Surface Winder is an automated winding machine with a heavy duty build ideal for large diameter rolls. With a heavy duty motor, inline gear box, and a set of steel and rubber nip rollers, the surface winder operates up to 325 ft/min handling roll diameters up to 40" and 3000 lbs. Automatic roll changes occur at a set length where the roll is cut by a fly cutter and unloaded using a hydraulic arm. A constant winding pressure is achieved by horizontal movement of the carriage. Our surface winders can be single, or face-to-face or back-to-back for sheeting.



Budget Winder

Size Range: 30" – 100" (10" increments)

The smaller and simpler Budget Winder with a manual roll change is suitable for short run and small diameter rolls. The budget winder operates up to 325 ft/min for a maximum roll diameter of 24". While winding, this 2 station up/down arrangement can be adjusted individually from side-to-side while in operation to align the film as they operate on two individual motors. Two sets of air chucks allow the pressure to be independently regulated.



Turret Winder

Size Range: 30" – 80" depending on model (10" increments)

The Turret Winder can wind perforated web up to 300 ft/min with 2 air shafts up to 8" to 16" dia rolls, depending on the model.

We offer three types of Turret Winders:

- **Simple turret winder** with manual cut off and automatic indexing
- **Fully automated turret winder** with roll change and automatic fly cutter cut off
- **Cantilever model** with two cantilever shafts, slide off finished rolls to the right, easy sleeving of product. Ideal for smaller sized cored roll products.



Unwinders

Size Range: 30" – 80" depending on model (10" increments)

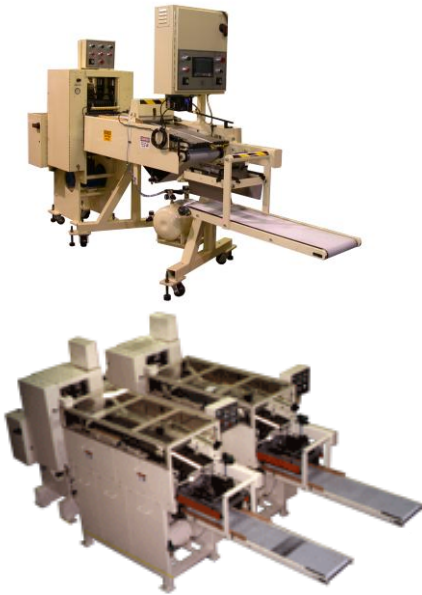
There are three types of unwinding machines available:

- **Power Roller Surface Unwinder** features the heavy master roll sitting on two unwinding rollers to surface unwind it. This unit is most suitable for large diameter rolls, multiple roll lanes, and for gusseted material.
- **Power Wheel Unwinder** with Air Shaft is designed with a drive wheel roller on top of the master roll.
- **Power Shaft Unwinder** features the roller driven by a centre drive allowing non-contact surface rolling and unwinding of delicate, thin gauge, or specialty material.



Separators and Folders

There are two types of Bag Separator/Folders available:



Standard Bag Separator / Folder set

Size Range: 12" – 18" (6" increments)

With a heavy duty frame and precision machining the standard model operates up to 300 ft/min. The Separator's two nip sets force the continuous web to separate at the perforations. Then the individual bags go into the Bag Folder that will fold the bag length 2x in half. Our folder rollers are precisely aligned to be parallel and square. An air knife is used to achieve uniform and smooth folds. A photo eye sensor is used for the first fold and a timer delay used to initiate the second fold. The self-contained collecting tray and stacking unit consists of an anti-static conveyor belt that can stack bags 24" high from the ground. This folder can handle up to 60" long bags.

High Speed Bag Separator / Folder set

Size Range: 12"

This high-speed folder version can handle up to 450 ft/min with a hold down rope assembly and interlocked doors on top.



Centre "V" Folder

Size Range: 30" – 100" (10" increments)

With polished solid steel folding triangles and adjustable folding angles, the V folder can fold bags smoothly and precisely. The Centre V Folder has heavy duty side plates to handle continuous production demands. Different arrangements are available including a 1-up, 2-up, 3-up, 2-fold, or a 1 fold/1 diverting to the front sequence. All our V-Folders come with a driven exit nip roller set (torque mode).



Full Width Separator

Size Range: 30" – 100" (10" increments)

The Full Width Separator up to 100" wide can separate bags or sheets at speeds of up to 300 ft/min with a corrugating nip and collecting table.

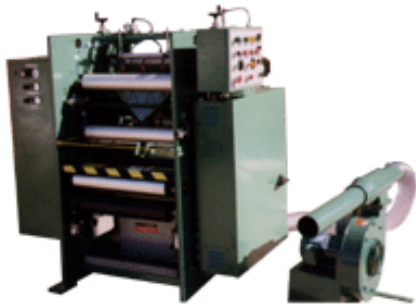
Other



Post Gussetter

Size Range: 30" – 130" (10" increments)

The Post Gussetter is used to form the gusseted pattern after the extrusion process. This unit is up to 130" wide and stands up to 16' high in 2 stations with a collapsing frame set and a gussetting board constructed from solid oak wood. With a Slit and Seal unit and additional gussetting boards, this machine is ideal for multiple lines with gussetting needs.



Rotary Cutting Machine

Size Range: 30" – 80" (6" increments)

This machine can be used inline to make a rotating cut of any shape out of the bags. The Rotary Cutting Machine is ideal for t-shirt bags in a roll or individually folded. Or wave-cut ear tie trash bags without the vacuum assembly.

Slitter Machines

Accumulator Units

Secondary Nip Units

Attachments and Accessories

Slit and Seal Units

Hole Punch Units (ball and die type)

Steel Seal Bars for shuttle bag machine