

**Cutting, trimming, welding, coiling  
and handling of corrugated pipe**

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Pipe Cut-Offs



Inner Liner Trimmers



Spin Welders



Perforators



Haul-Offs

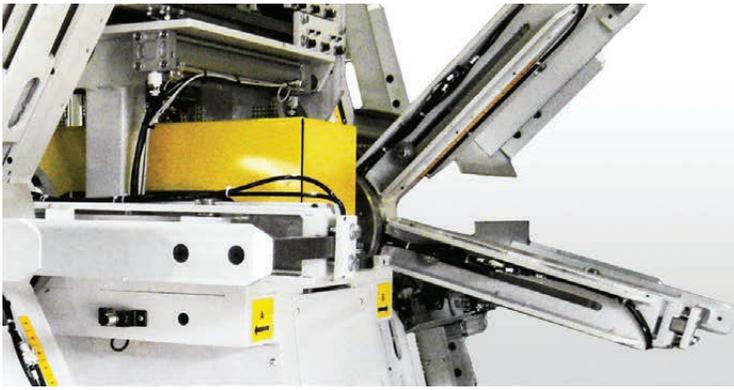


Pipe Conveying & Handling Systems



Fabricated Fittings Equipment





ADESCOR designs and manufactures machinery suited to meet our customers' needs in a safe and efficient manner.

#### INTRODUCTION

ADESCOR was founded in 2004 through the acquisition of the machinery division of a Canadian plastic pipe manufacturer. The division was started in the mid 1980's developing innovative solutions for treh manufacturing and processing of a variety of plastic products.

With the majority ownership purchase by UNICOR GmbH we now can offer a more complete solution to our customers. Adescor can offer the Unicor corrugators and toolings along with customer support for their products in North America. UNICOR will also offer sales and service of ADESCOR machines outside of North America.

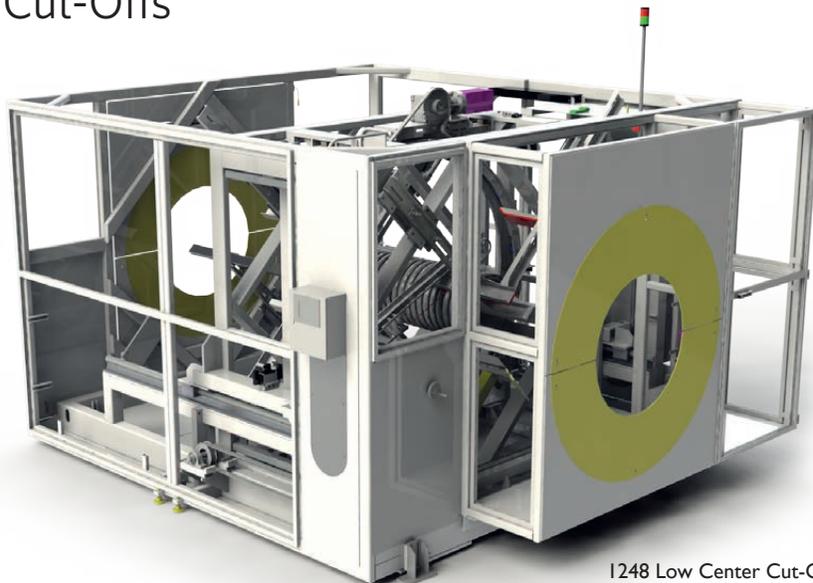
Working with our customers ADESCOR is committed to providing the best solution to each customer's unique needs rather than a fixed solution. Our goal is to improve productivity while also creating a safe environment for the people.

ADESCOR has many standard designs forming a strong product offering. From these designs, hybrid and custom equipment can quickly evolve to meet specific extrusion line speeds and product requirements. Integration of the machinery is a key part of every project. Our goal is to provide the customer with a solution that surpasses their expectations.

*“From corrugator to plant door ADESCOR has the total solution.”*

#### PRODUCT

### Pipe Cut-Offs



I248 Low Center Cut-Off

#### FEATURES

- 50 mm to 1500 mm pipe diameter
- Speeds up to 22 m/minute
- Minimum scrap
- Operational noise 85dB or less
- Touch screen controls
- Ease of setup
- Exact cut sequencing
- Low maintenance

#### KEY INFORMATION

ADESCOR offers a wide range of Cut-Offs for pipes ranging from 50 mm to 1500 mm in diameter at speeds up to 22 meters per minute. ADESCOR uses a knife to cut the pipe, providing a chip free and quiet cutting operation. These units feature a unique design that eliminates the need for hose reels or electrical connections to the knife ring, providing a reliable, low maintenance cutting system. Cut-Offs can be configured to cut solid wall pipes, corrugated pipes, integral bell pipes or reduced corrugation pipes with the required level of precision and repeatability. ADESCOR has the ability to customize the standard Cut-Offs to suit your specific pipe cutting needs.

PRODUCT

## Inner Liner Trimmers



315 Liner Trimmer with Rotator

FEATURES

- 100mm to 1500mm pipe diameter
- Cycle times as fast as 17 seconds
- Minimum scrap
- Operational noise 75dB or less
- Touch screen controls
- Single cut operation
- Ease of setup
- Fully automatic
- All Liner Trimmers use knives for cutting operation
- Machine configuration depending on diameter

KEY INFORMATION

Liner Trimmers are used to trim the scrap section of the inner wall of the pipe out of an integral bell (coupler formed on a corrugator). We offer a range of automatic machines that can accommodate 100mm to 1500mm pipe. These units use a knife to perform the trimming operation providing optimum cut quality and accuracy. The knife system eliminates the cutting debris and noise that is generated with circular saw trimmers. ADESCOR uses its proven pipe handling technology to effectively move and position the pipe at the required production rates. As an option these units can be supplied with pipe rotators that lift the pipes and rotate them 180 degrees to accommodate your specific pipe packaging needs. ADESCOR'S unique Inner Liner Trimmer Systems provide excellent cut quality with a high level of reliability. Another option is to include a Weigh Scale System for monitoring or recording the finished pipe weight going into your yard.

PRODUCT

## Spin Welders



416 Spin Welder with Leak Tester and Exit Conveyor

FEATURES

- 50mm to 1000mm pipe diameter
- Fast cycle times as fast as 18 seconds diameter specific
- Ease of setup
- Opposing weld heads eliminate rotating of pipes for crating and increase throughput speeds for small diameter pipes
- Automatic coupler loading
- Optimum pipe alignment during welding process
- Optional leak testing capabilities
- Various pipe handling alternatives available include rotate stations

KEY INFORMATION

ADESCOR has several standard models of Spin Welders to accommodate your spin welding requirements from 50mm to 1000mm pipe (inside diameter). ADESCOR has proven technology to weld couplers to the end of the pipes or to the outside diameter of the pipes. Our spin welders are designed to provide fast and consistent quality welds, with an emphasis on a repeatable process. The spin welders can be supplied with fully automatic Pipe and Coupler Handling Systems, or manually controlled loading of the pipe and coupler. Weld Leak Testing Systems can be supplied to suit your quality control requirements. A Pipe Turning System can also be supplied to suit your packaging needs. As with all ADESCOR equipment, the Spin Welders are designed to meet the demanding environment of a pipe production facility. ADESCOR offers both Outside Diameter and also Flange weld types. Ask us about the differences.

PRODUCT

# Pipe Conveying & Handling Systems



836 Takeoff Lowering Conveyor

FEATURES

- 50 mm to 1500 mm diameter pipe
- Integrated to maximize production
- Flexible, custom designs to deal with restricted floor space
- Fully automatic sequencing
- All diameters exit at common height
- Simple variable height adjustment
- Specify at order right, left, or both pipe exit directions

KEY INFORMATION

Every pipe production facility requires some form of Pipe Conveying and Handling System. Facility layouts and space restrictions often require innovative approaches for optimization. ADESCOR has several different systems available to suit your pipe movement and positioning requirements. Our design staff will work with you to determine if a standard design will suit your production requirements and will provide a custom solution if needed.

PRODUCT

# Pipe Coilers



FEATURES

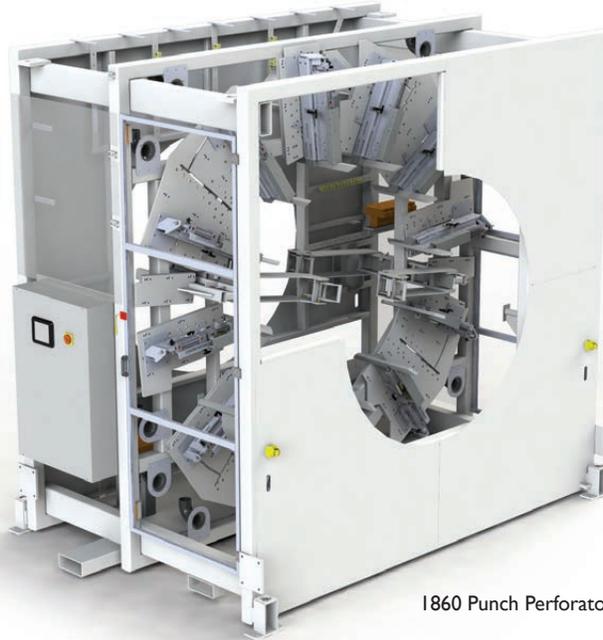
- Foot pedal control during coiling for safety
- Different diameters to suit customer
- Bolt on tooling for core, and width spacing
- Tooling is zinc dichromate coated long term looks
- Manual or Semi-auto available
- Maxi or super coiler available with or without guiding system

KEY INFORMATION

ADESCOR offers a series of manual and semi-auto coilers for both corrugated and smoothwall pipe. We also offer an automatic pipe guiding system for our large size coilers. We offer rugged construction with hardened bushing on pivot points for long term life without problems. The winding of pipe process is controlled by an operator maintained foot switch. This provides safety for the operator. Our semi-auto coiler has the coiling operation manually done by the operator. When finished coiling the operator pushes a button and the coiling head is manually turned 180 degrees. A banding head then straps the pipe. Normal coil sizes are 300-600 mm wide, and 900-1500 mm outside diameter.

PRODUCT

## Perforators



1860 Punch Perforator

### FEATURES

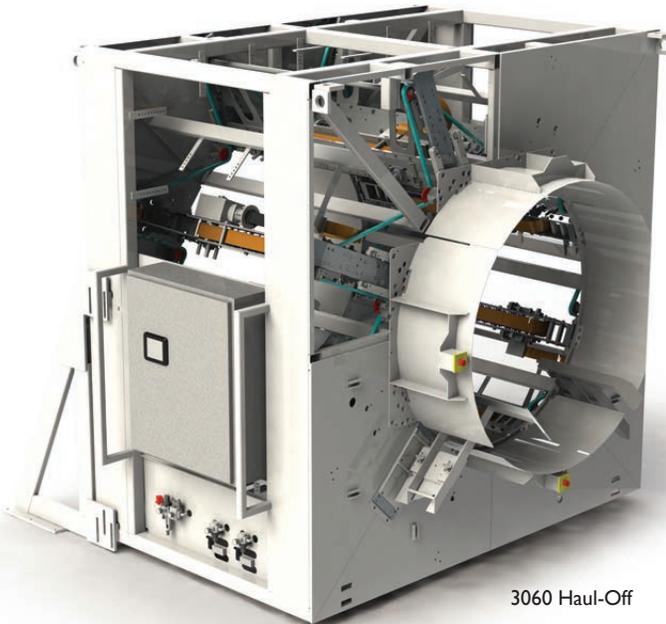
- 450 to 1500 mm ID
- Hydraulically operated
- Touch screen control
- Inline or offline
- Up to 12 punching heads

### KEY INFORMATION

ADESCOR builds a punch perforator for large diameter pipe. The unit punches a hole as small as 0.180 inches and removes the plugs from each hole. The design can accommodate both in-line and off-line operation. The machine is supplied with up to 12 punching heads for the larger diameter pipes, and can be configured to punch various patterns in the pipe. The perforator includes a Pipe Pulling System to index the pipe through the machine in the off-line operation mode.

PRODUCT

## Haul-Offs



3060 Haul-Off

### FEATURES

- 1800 mm OD
- Self centering
- Touch screen control
- Accurate speed control
- Quick diameter change

### KEY INFORMATION

ADESCOR offers a Haul-Off (Puller) designed for large diameter pipe up to 1800 mm OD. Pulling force, the number of belts and speed are elements that are designed to meet the specific requirements of each customer. The belts are individually servo driven, and synchronized to ensure a constant uniform speed and pulling force. A self centering mechanism has been developed to ensure an even balance between the belts and to allow for rapid changeover to new sizes. The existing design can be adapted for any pipe diameter and number of belts to accommodate the needs of all customers.

PRODUCT

# Fabricated Fittings Equipment



442 Hotplate Table



648 Band Saw Table

## FEATURES

### Band Saw

- Cut up to 1200 mm pipe up to 45°
- Minimize set-up time with easy angle adjustments
- Operator safety foremost

### Hotplate Table and V-Style Heating Plate

- Assembly of various elbows such as 45° and 90°, 'Y's and 'T's
- Precise temperature control

### Hole Saw

- Custom designed to your specifications
- Able to cut circular holes up to 600 mm using a large drill press
- Minimize drill power requirements
- Polyethylene and polypropylene compatible

### Linear Saw

- Cut from 375 mm to 1500 mm pipe at 45° right or left
- Pipe is clamped with blade moving through the pipe
- Wide 200 mm blade for cut flatness
- Adaptable to other products and larger diameters

## KEY INFORMATION

ADESCOR can supply the fundamental pieces of equipment that are required for the fabrication of welded plastic pipe fittings. We offer Large Throat Band Saws that can cut up to 1200 mm pipes at the required angle up to 45 degrees. We have several standard models of Hotplate Tables or 'V'-Style Heating Plates. We have proven designs for Hole Saws that are made specifically for cutting polyethylene or polypropylene pipes with minimal power requirements. For technology that works in the field of fabricated fittings, be sure to contact ADESCOR.

We offer large unique reciprocating blade design Pipe Cutters for cutting 450mm to 1500mm pipe. Larger units are available upon request. These saws offer a cutter head that pivots for angle cuts, with the pipe being clamped securely. We also offer a large diameter Fittings Bandsaw for pipes from 150mm to 1200mm.

ADESCOR offers both horizontal and vertical 'V' Hotplates for manually welding fittings. The combination of our new Reciprocating Saw and 90 degree Hotplate make the ideal combination for making water retaining header containment systems.

*“Working with our customers, we are committed to developing practical, cost effective solutions to increase productivity while improving quality control. Our design team and technical support group develop solutions to optimize throughput.” - Tony Kime, President*

## PRODUCT

# Coiler Guiding Systems



## FEATURES

- Typical coil sizes 8 ft width by 11 ft in diameter using a 15" or 18" center core.
- Keeps the operators away from the coiler when winding at high speeds.
- Improves safety of the maxi coiling operation.
- Will make a coil without an operator handling the pipe.
- Can be retrofitted to existing coilers.
- Stops at predetermined layers for intermediate strings to be tied.
- Corrugation counter can be added to pipe guide.
- Can be used with pipe having geotextile or knit filter on the pipe

## KEY INFORMATION

ADESCOR offers a machine for the guiding of corrugated coilable pipe onto a large diameter coiler. The pipe guiding system can be retrofitted to existing maxi coilers used by our customers, and takes over the task of guiding and positioning the pipe onto the coil. The machine is also available as an option on the ADESCOR designed maxi coilers.

The guiding system can easily be setup for each customer's requirements to make a large coil, with the number of rows and layers of the coil being fully adjustable. The machine can also be set to stop at various layers so that intermediate strings can be tied.

A significant improvement has been the addition of a corrugation counter to the guiding arm, which allows the customer to monitor the number of corrugations going onto the drainage pipe maxi coil. For the industry, the actual length of a large coil has always been difficult to determine, and is very dependent on the stretch of the corrugation pitch of pipe which can vary during a day. By counting the corrugations on the coil the manufacturer can monitor the length on the coil, which has great benefit in optimizing the package, and ensuring the proper amount of pipe is being shipped to the customer.

## Contact Information

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