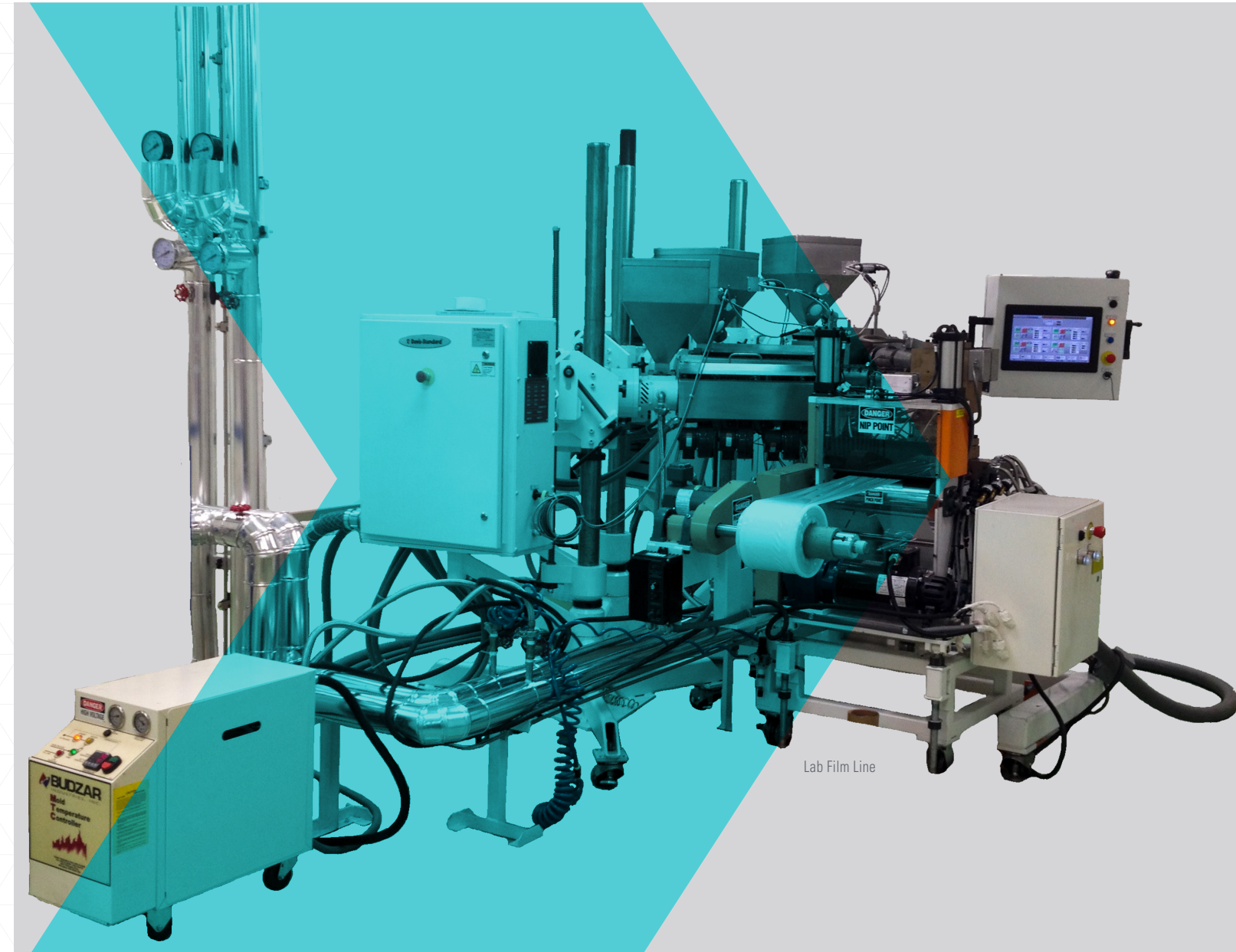


PUT US TO WORK FOR YOU.

Basically, we strive to do whatever it takes to ensure that you are able to produce a superior end product, at a superior profit. Contact us today to learn how we can help you succeed.

CONTACT OUR CORPORATE OFFICE

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+1 860-599-1010



Lab Film Line

Laboratory and Specialty Equipment

Designed with a compact footprint and maximum versatility for small-scale production applications and laboratory research use. All equipment is available independently, as a retrofit to existing equipment, or in conjunction with a complete system, including controls, tooling, and rewinders.



Lab Scale Blown Film System

Blown Film

Davis-Standard offers a comprehensive line of laboratory and pilot scale equipment designed to meet blown film process requirements for product development, polymer research, material testing, and validation. This includes extruders, process controls, feedscrew technology, and downstream equipment. Single or multi-layer laboratory systems are available as well as individual components. Sturdy and reliable construction simulates production performance and accuracy. Advantages include:

- Cooling towers in fixed or adjustable configurations up to 20' elevation
- Nip station width range from 12" -24"
- Bubble guides available as single or multi-level
- Collapsing frame with wooden slats or non-stick rollers
- Air cooling rings supplied as single or dual-lip
- Spiral mandrel dies from 1"-3"
- Dedicated system includes complete line on common base
- Options: lay-flat width control, web break detection, slitting and gel detection

Cast Film

Davis-Standard offers a comprehensive line of laboratory and pilot scale equipment designed to meet cast film process requirements for product development, polymer research, material testing, and validation. This includes extruders, process controls, feedscrew technology, and downstream equipment. Single or multi-layer laboratory systems are available as well as individual components. Sturdy and reliable construction simulates production performance and accuracy. Advantages include:

- Casting stations with width range of 8"-34"
- Casting roll diameter of 8" or 12"
- Single drive for casting roll and haul-off or independent drive for precision tension control
- Hand-wheel up/down adjustment of casting roll
- Bolt-on nip station available for laminating
- Multiple provisions for mounting of substrate unwinds
- Options: air knife, edge pinners, high temperature, slitting station, corona treating, casting rolls with alternate finish, on-line thickness gauge, and gel inspection

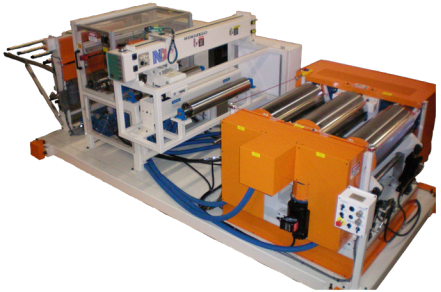


Lab Scale Cast Film Take-Off with Winder

Sheet

Davis-Standard offers a comprehensive line of laboratory and pilot scale equipment designed to meet sheet processing requirements for product development, polymer research, material testing, and validation. This includes extruders, process controls, feedscrew technology, and roll stand options. Single or multi-layer laboratory systems are available as well as individual components. Sturdy and reliable construction simulates production performance and accuracy. Advantages include:

- Vertical Down Or Horizontal Stack Configurations:
- Stack width from 8"-24"
- Roll diameter from 5"-12"
- Stack rolls can be driven individually or with single chain drive
- Pneumatic or hydraulic nip pressure
- Touch screen control of independent stack drives
- Independent torque and speed control available
- Meets ANSI B 151.20 sheet safety standards
- Options: high-temperature rolls, slitting, substrate pay-off, corona treating, stack rolls with alternate finish, and on-line thickness gauge



Horizontal Sheet Stack



12" Wide Lab Sheet Stack

HPE-H Extruder

The HPE Horizontal extruder from Davis-Standard exemplifies processor demands with a small footprint, performance features, and a fast delivery for co-extrusion and multilayer applications. This extruder is available in sizes ranging from 3/4 inch (19mm) to 1 3/4 inches (44mm), utilizes a direct coupled motor, and has a smaller footprint for close proximity to the common die.

- High quality design and manufacture
- Increased torque capacity to handle high viscosity resins
- All sliding/swiveling components can be locked firmly in place for rigid position
- Available in 3/4-inch (20mm), 1-inch (25mm), 1 1/4-inch (30mm), 1 1/2-inch (40mm), and 1 3/4-inch (45mm) sizes
- Adjustment of +/- 1/2-inch (13mm)



HPE -H Horizontal Extruder

HPE-A Extruder

The HPE Adjustable extruder from Davis-Standard exemplifies processor demands with a small footprint, performance features, and a fast delivery for co-extrusion and multilayer applications. This extruder is available in sizes ranging from 3/4 inch (19mm) to 1 3/4 inches (44mm), utilizes a direct coupled motor, and has a smaller footprint for close proximity to the common die.

- Designed for co-extrusion and multi-layer applications
- Extruder swivels on column to permit positioning at any angle. Vertical adjustment is accomplished by means of a lift screw
- All sliding/swiveling components can be locked firmly in place for rigid positioning
- Available in 3/4-inch (20mm), 1-inch (25mm), 1 1/4-inch (30mm), 1 1/2-inch (40mm), and 1 3/4-inch (45mm) sizes
- Base features swivel castors to allow for easy positioning of the machine

