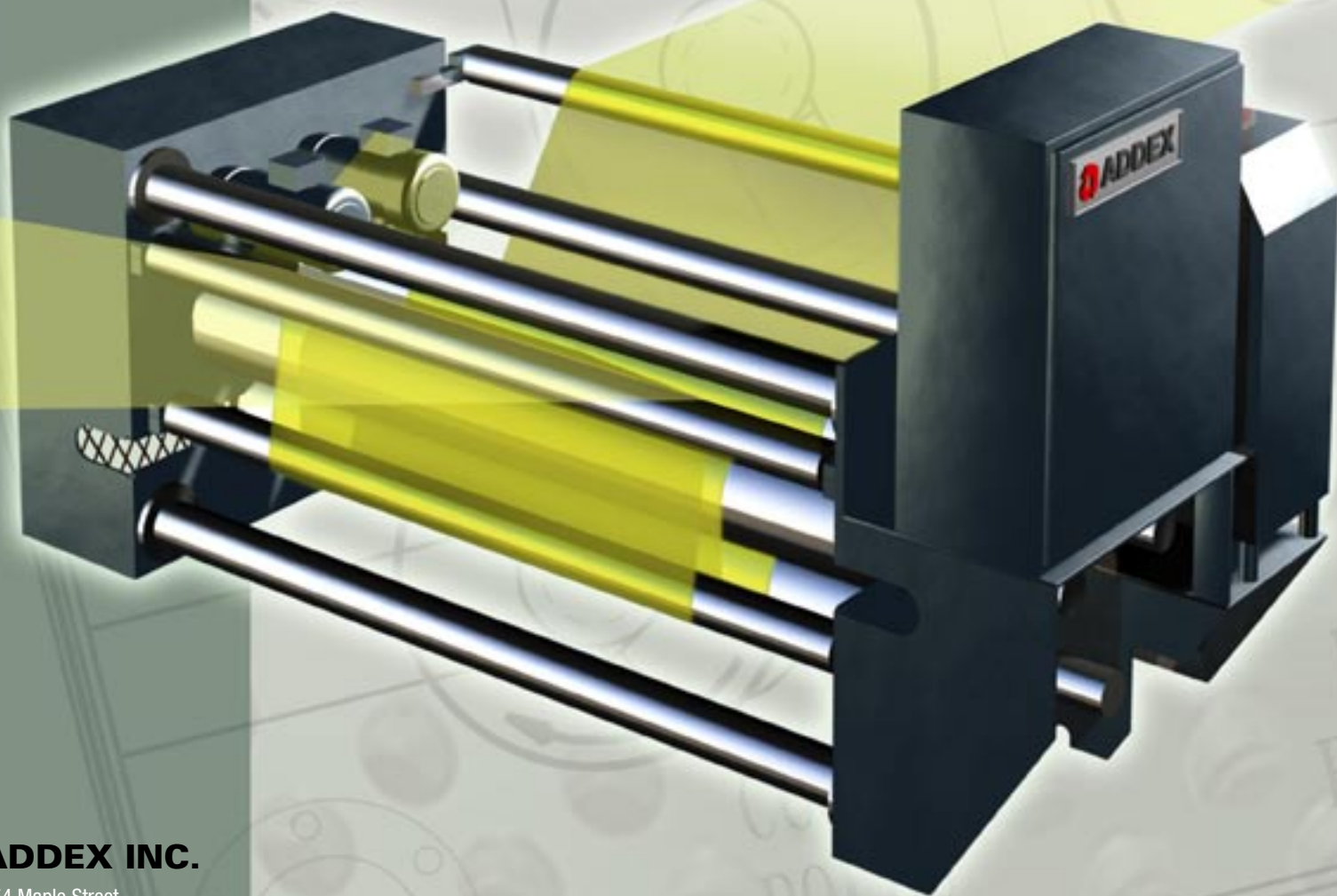




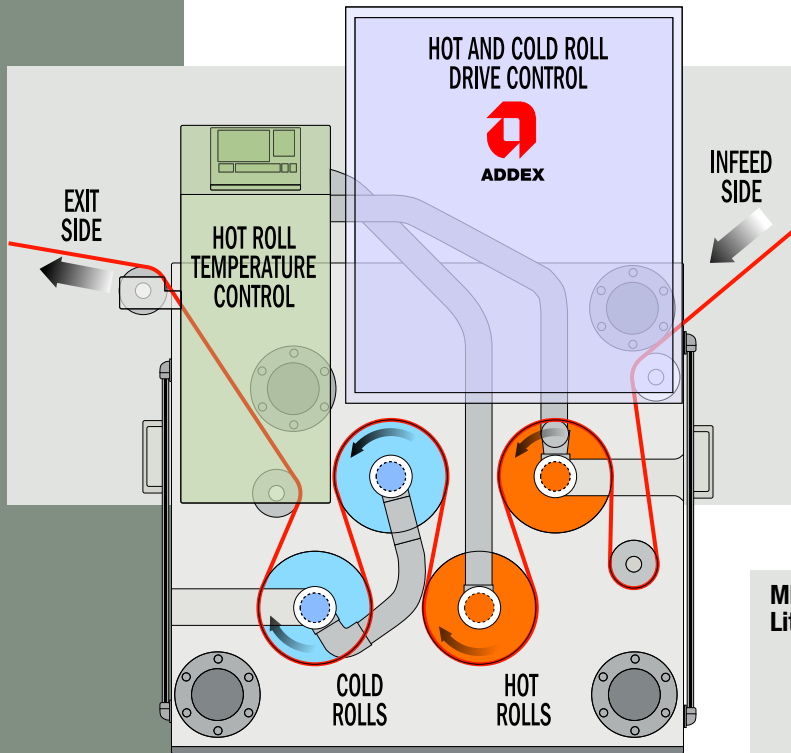
MDO Lite Film Flattener



ADDEX INC.

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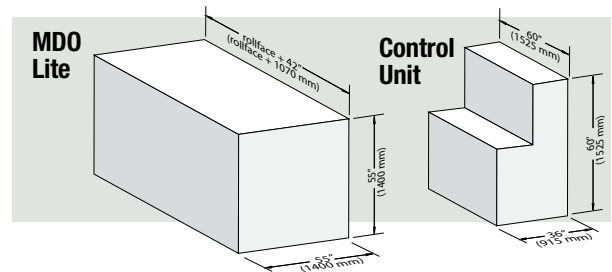
MDO Lite Film Flattener



DESCRIPTION

- By annealing and slightly stretching the film the MDO Lite renders the flat, bagginess-free films needed for high-speed value added processes like lamination, silicization or printing.
- Mounted between the primary nip and the winder it passes the film first over a set of two heated rollers and then over a set of two chill rollers, stretching it in-between them.
- Each set of rollers is set up in the "S" format to assure heating and cooling on both sides of the film.
- The rollers' temperature can be set by the operator to accommodate various materials
- The amount of stretching is determined by the severity of the machine direction (MD) wrinkles and bagginess of the film. Just annealing, with no stretch, can flatten certain films.

APPROXIMATE SPACE REQUIREMENTS

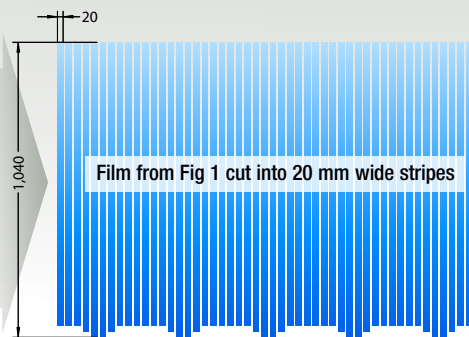
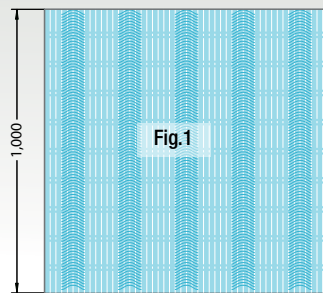


HOW TO MEASURE FILM FLATNESS

The imperfections (bagginess and some wrinkles) can be measured by cutting a 3-4'/1000-1200 mm long piece of film into longitudinal 3/4" / 20 mm wide stripes and then measuring the differences in the length of these stripes. The stretching should be more than the largest difference.

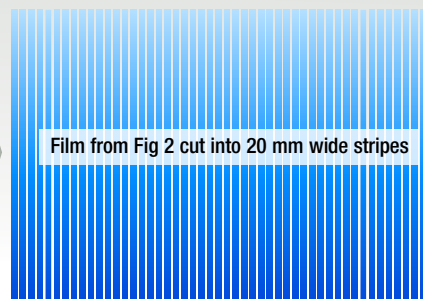
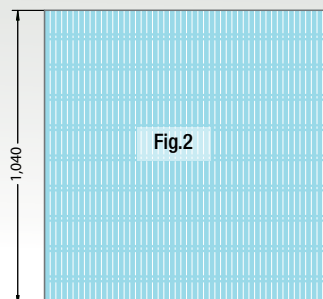
Film not run through the MDO Lite

1 m long film cut at a right angle



Film run through the MDO Lite

Film is flat



OTHER ADDEX PRODUCTS

- Complete Blown Film Lines
- Dies
- Air Rings
- Internal Bubble Cooling
- Automatic Gauge Controls
- Extruders
- Oscillating Haul-offs
- Winders (Surface/Center)



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