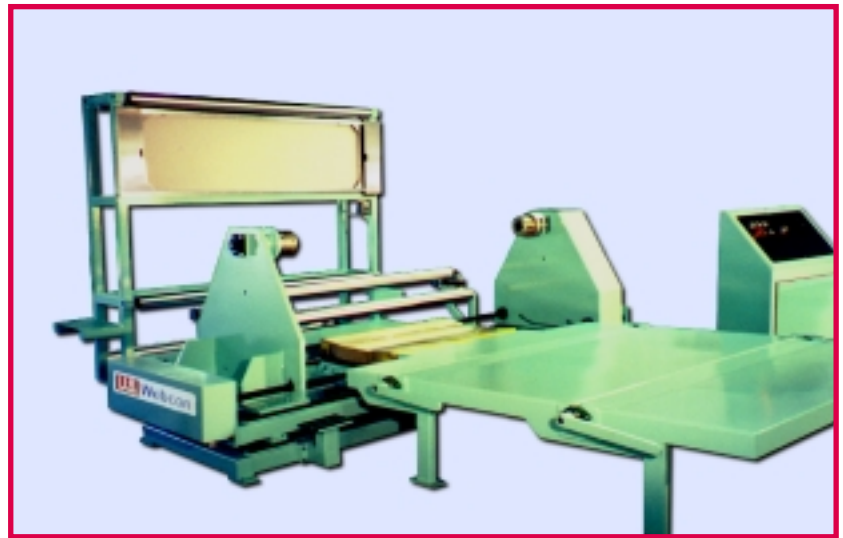


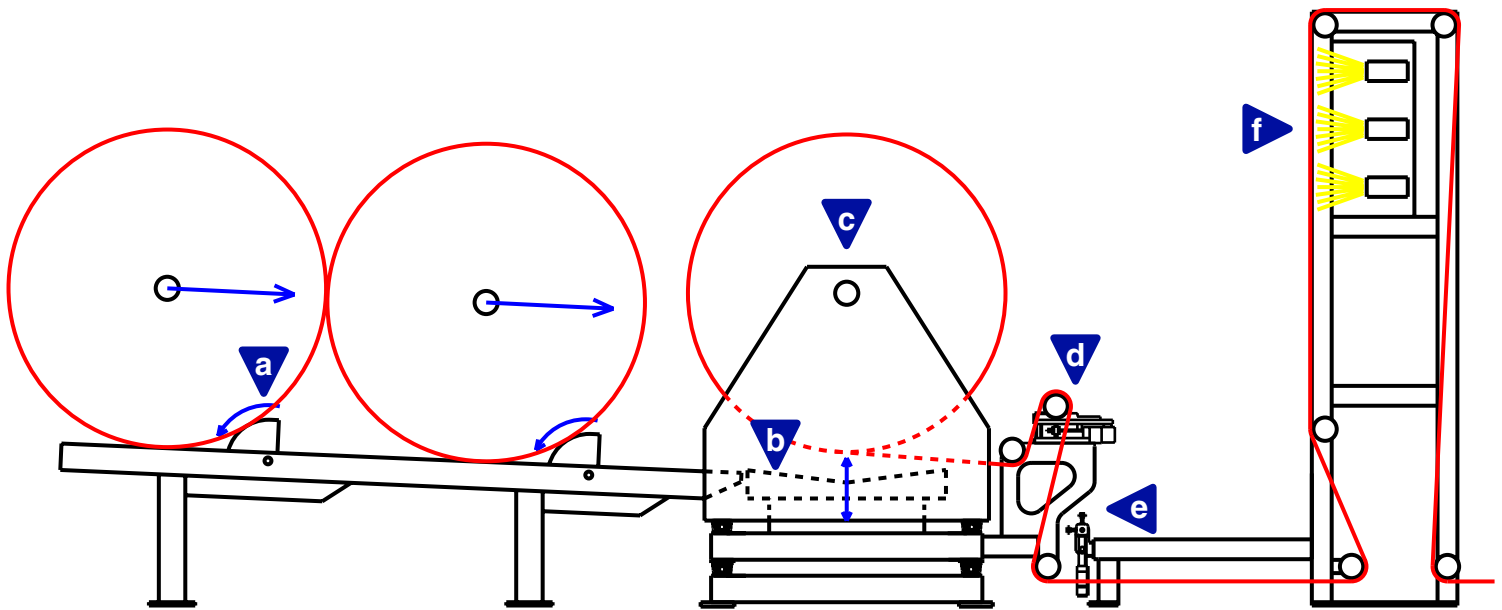
The machine to the right is a shaftless unwind stand with a back-lighted operator inspection tower. We offer stations like this one in several configurations to include back, top or combination lighting, electro-optical inspection devices, and/or splice tables added to work in conjunction with the inspection system.



This unit, The Mutt, is an inspection winder with slitting capability. It has been designed to allow an operator to inspect the web and perform any splicing operations necessary from the workstation. The unit will accept score, shear, or razor slitting, and it can be supplied with a center driven simplex or duplex winding station. The Mutt is fully cantilevered and is supplied with tension control and edge guiding.

This is a web handling system designed to unwind a ceramic fiber nonwoven insulation material under controlled tension and edge guiding, carry it past a system of automated inspection instrumentation at a precisely controlled speed, and rewind the product.





Shown above is a drawing that better illustrates the operation of the shaftless unwind stand with a back-lighted operator inspection tower (also shown on top of opposite page).

Use the key below for more information:

- a** Indexing dogs to hold pre-loaded rolls in position during operation. The dog rotation is controlled by pushbutton actuated air cylinders.
- b** Sissor Lift Table to lift the roll up to the level of the core chucks.
- c** Braked, shaftless unwind stand. After the roll is lifted into place the sideplates move in on linear slides until the core chucks engage the roll core. The entire stand sidelays on linear slides in response to the edge guide sensor.
- d** Transducer cluster for precision tension control.
- e** Edge guide sensor.
- f** Backlighted operator inspection station.

U.S. Web Converting Machinery Corporation

US Webcon is an American owned and operated company specializing in the design and manufacture of custom equipment for the web handling, converting and finishing industries. Below is an abbreviated listing of machinery in our product line:

Wind/Unwind Equipment

- simplex, duplex & turret
- shafted or shaftless
- center, surface, center/surface
- varying levels of splice/transfer automation
- manual
- manual with assist
- drop splice
- zero speed & auto splice
- auto cut & transfer

Roll Handling & Packaging

- roll loading/unloading
- palletizing
- stretch wrapping
- bagging & boxing
- roll conveyance systems

Web Inspection Equipment

- free standing & integrated
- color recognition
- surface flaws
- coating thickness
- water content
- particulate material

Flame Laminators

- 2,3,4 roll laminators
- infeed/out feed frames
- stainless steel hoods
- pollution control equipment
- center frames

Specialty Equipment

- doctor machines
- logrollers
- wide web turret logrollers
- accumulators
- web cleaners
- splice stations
- build-to-print equipment

Slitting Equipment

- razor, shear or score
- free standing slitting stations
- slitter rewinder machinery

Coating Heads & Lines

- knife over roll
- Meyer rod
- gravure (reverse gravure)
- padders

