



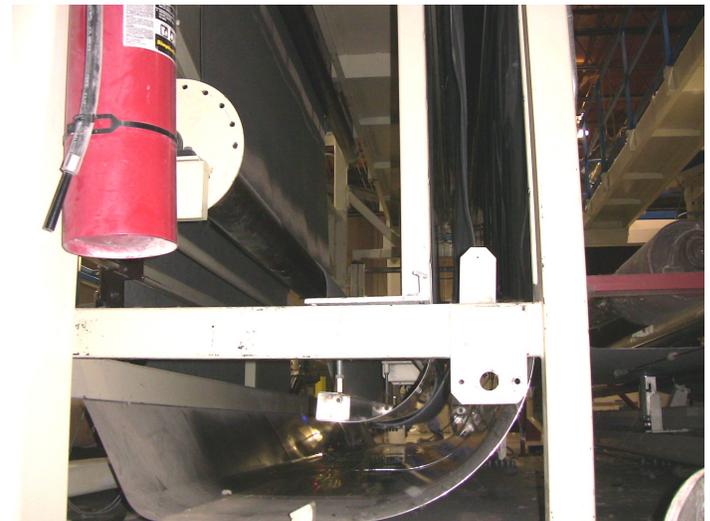
## NONWOVEN TERMS

For the informed employee

### Scray

A scray is a mechanical device designed to accumulate fabric. On some nonwoven lines when a roll of fabric is finished, it is necessary to stop the winder to doff the roll. It would not be a good idea to stop the entire production line because of the time that would be lost in restarting the line and/or the possibility of making waste. A scray is placed just before the winder so the rest of the nonwoven line can continue to run while the winder stops. The fabric accumulates in the scray. Scrays can be of several types. Usually they have an entry set of nip rolls and a sloped pan like the one shown in the left photo. The fabric builds up in layers in the pan. Scrays are usually designed to hold several minutes worth of production. The photo on the right shows a type of scray called a “J Box”. In a J box the fabric folds up in accordion like layers in the vertical section of the J box.

At the exit of the scray there are driven rolls to pull the fabric out of the scray. There may also be special rolls called “scroll” rolls that are designed to eliminate wrinkles in the fabric. Some scrays have edge guides at the exit to make sure the fabric is centered in the machine as it goes to the winder.



**“When you get into a tight place and everything goes against you, till it seems as though you could not hang on a minute longer, never give up then, for that is just the place and time that the tide will turn .”**

**Harriet Beecher Stowe**

**Training tools by Nonwoven Tools LLC  
Visit us at [nonwoventools.com](http://nonwoventools.com)  
Copyright Nonwoven Tools LLC 2010**