The NCR (*LaserSelect*) *LaserAide* ™ Process

NCR's *LaserSelect* jumbo laser rolls offer "non-stop" laser print and production system processing with *LaserAide* ™…

- **NCR's Laser Roll Infeed "Non-Stop Processing" Product** – Utilization of NCR's *LaserAide* ™ which delivers non-stop processing, is considered our standard roll infeed policy and solution. This proprietary break and splice-removal process provides our customers with 100% usable documents and laser rolls that provide non-stop laser print processing. This no-waste laser offering assures that all unavoidable paper web breaks that occur during the paper making and pre-printing production process are eliminated with NCR's unique *LaserAide* process.

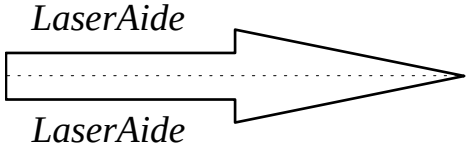
- ***LaserAide* ™ Guarantee** - When our *LaserAide* ™ splices are applied to paper web breaks, actual historical performance has proven that the resulting *LaserSelect* documents provide non-stop laser printer processing performance with the laser printer in its print mode. This non-stop, print mode performance has been tested and proven with high-speed laser printers and in many different and diverse customer print site environments.

  NOTE: It is recommended that a "print mode" test should be performed when using any new laser document or new laser printer or in any new customer print site location. There are many different laser printers available (with new ones being introduced all the time) and NCR urges our customers to conduct an "on-site" *LaserAide* ™ test on the laser printer (in "print mode") and, when applicable, the post-processing equipment, to verify the non-stop performance will be achieved properly.

- ***LaserAide* ™ Process –** On all *LaserSelect* laser rolls, breaks and splices will be eliminated with our *LaserAide* process and the addition of our special NCR 5/16" wide, clear, perforated tape (laser compatible tape). These special *LaserAides* will be applied across the full width of the web and positioned and registered so that the tape's perforation falls at the correct intersection point (cross or set-perforation location) between adjacent documents. The tape will also be positioned so that it falls between left and right marginal pinfeed punching. This process will ensure that all forms are in full registration and are usable.

- There will be no splices within the top 2" of the outside roll diameter on any roll shipped.

- The location of any resulting *LaserAide* ™ splice will be marked on the side of the roll with the identification stamp indicated below.



- NCR does not identify, count or treat our *LaserAide* ™ splice as a **break***, **mill splice*** or as a **press break***. Our *LaserAide* ™ splices are laser printer compatible and runable when the high-speed laser printer is in its print mode.

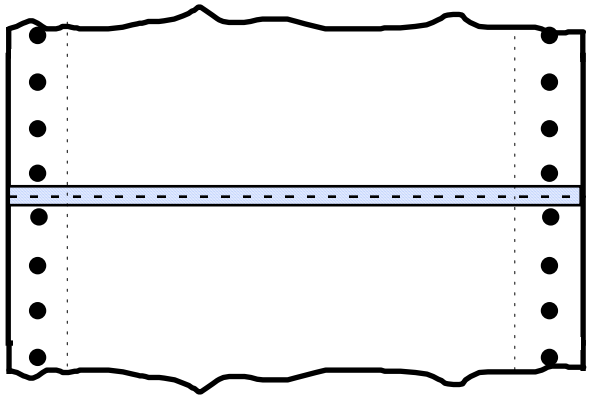
* Break, mill splice, press break are defined under the terminology section of this handout.

Laser Paper Specific Terminology:

- **Break** - Any paper break in the paper web on a continuous, fanfold or roll infeed (blank, printed or processed) product.

- **Doctored Splice** - This is a special splice applied by a roll doctor machine ensuring that all documents contained within those designated custom pre-printed laser rolls are in exact registration form-to-form. With the application of Systemedia's *LaserAide* ™ splicing tape, we have an exclusive laser roll that delivers non-stop processing.

  In this specialized and defined splicing process, the printed roll is first unwound down to the location of a break, mill-splice or press-splice. Then, all unusable documents are removed and the two loose ends (of two adjacent usable forms) are butted together in a fully registered position. At this point, a clear *LaserAide* ™ splicing tape is applied to the full web width on the unprinted (or back or secondary) surface. The tape's 5/16" width will ensure that it does not interfere with the performance of the form's lineholes or copy.



5/16" Wide Doctored Splice

(Registered) with Cross Perforation

- **Flags** - These are small rectangular pieces of paper (normally colored paper) that are inserted into the end of a printed (pre-processed) paper roll prior to and after a web break in a press splice situation. These flags highlight and identify the location of mill-splices and/or press-splices and they identify all unusable documents or waste.

- ***LaserAide*** ™ **-** This is NCR's trademark name for its specially designed laser printer compatible splice. This splice is accomplished with a specially engineered tape that results in 100% usable laser documents. These special splices will run through a laser printer without stopping the printer when it is in a non-imaging or imaging mode.

- **Mill Break** - A break in the paper web during the paper making process.

Terminology *(continued)*:

- **Mill Splice** - A mill splice is created when a paper web breaks during the paper making process at the paper mill and then is lap-spliced back together with regular (splicing) adhesive. Mill splices will cause a significant amount of downtime in subsequent production operations and are therefore identified (flagged) for avoidance and/or removal.

- **Minimal Spliced Breaks** - This term refers to a laser roll infeed product program that has been designed to provide a "reduced" number of breaks (competitive laser programs) and/or where there is a defined process of "press splicing" all breaks (including mill breaks, mill splices or press breaks/splices).

- **No Breaks** - Normally refers to laser rolls without breaks and/or mill/lap splices that require the printer to stop (so that the splice can be passed-through with the laser printer in a non-imaging mode). Most competitive "no break" programs do not provide 100% usable, non-stop processing rolls.

- **Non-Stop Processing** - This refers to NCR's *LaserSelect* customer option where non-stop laser printer processing can be accomplished without equipment stoppage and downtime. Downtime is common with competitive product programs because the customer's laser printer operator has to stop the printing operation due to a web break or a press-splice. Upon customer testing and approval, our *LaserSelect* roll infeed product provides your customer with the efficiency of 100% usable documents that require no un-necessary operator monitoring and/or production stops. This feature provides significant cost savings and productivity improvements in the customer's laser processing system. This is primarily accomplished because of our *LaserAide* ^{TM} splicing process (doctor machine applied laser compatible/runable splices).

- **Press Splice** - A press splice is created when a continuous paper web breaks or production is stopped during the pre-printing process. The paper must then be lap-spliced back together with regular tape. These type splices usually include unavoidable press waste and can cause significant amounts of downtime in subsequent customer operations. Therefore, press breaks and their related waste are flagged for easy identification.

- **Press Break** - A break in the paper web during the pre-printing process.