

General Specifications

Maximum Web Width:	26"
Minimum Web Width:	17"
Substrates:	80 lb. offset-10pt. board
Unwind Roll Dia:	52"
Core I.D.:	3"
Roll weight:	2,250lb. Maximum
Speed:	Up to 200fpm***
Cut-Off Lengths:	9-24"
Type of Cut:	Single or Dual
Cut Length Accuracy:	+/- 0.010" to printed mark

General Equipment Description

The proposed line will comprise a) (1) Single spindle unwind with edge trim slitting b) (1) NTA 30 HS Autocutter, c) (1)SDM 3036 (26" wide 36"long) Dual Driven Rotary Slitting Module and d) (1) SCM 3096 (8ft long) Adjustable Shingling Conveyor.

Process Details

The single spindle unwind will produce an edge slit, loose web of a maximum web width at 26" and a minimum web width of 17" will be fed into the Autocutter which will maintain the unwind speed automatically and be sheeted in accurate registration to a printed mark, and at lengths between a minimum of 9" and a maximum of 20" in length with either a single cut or dual cut (REMOVE CHIP).

In addition to the sheeting of full web widths it is contemplated that the emerging sheets may be slit on center thereby creating duplicate streams of the exact same sheet length, or slit into three creating triplicate streams of the exact same sheet length. No edge slitting is contemplated as part of this proposal and just two driven rotary slitting modules are thus included within the slitting deck module.

The emerging stream(s) of sheets will be shingled for manual removal by attending operator(s). The shingle depth will be infinitely adjustable to attain the optimum ergonomic performance.

Materials/Yields Specification

- Single cut speeds at 9" cut: 120fpm
- Single cut speeds at 24" cut: 200fpm
- Dual cut (CHIP OUT) speeds at 9" length: 80fpm
- Dual cut (CHIP OUT) speeds at 24" length: 150fpm

Machinery Specification

The UW-26-52 unwind

STANDARD UNWIND FEATURES

- 52" O.D., 3" I.D. core and up to 2,250 lb. rolls
- Autoload feature
- Braked tension control
- Rotary slit edge trim
- Servo driven infeed

The NTA-30-HS Autocutter

STANDARD AUTOCUTTER FEATURES:-

- 80ft-200ft/minute cutting speed on a sliding scale for repeats between 9" and 24" with the longer sheets being at the higher speeds.
- Differential margin, flush cutting, and lateral waste trim removal (between repeats) capabilities.
- DC driven output conveyor as standard.
- Counter and batching device.
- Powerful PC controller utilizing keypad controls, LCD display, and diagnostic help program.
- Electronic compensation for nip roller wear, and photocell sensitivity adjustments.
- Solid state proximity devices throughout.

The SDM 3036 (26" wide 24"long) Dual Driven Rotary Slitting Module (Two slitters included)

STANDARD SLITTING MODULE FEATURES:-

- Automatic speed following to sheeter
- Dual driven 4" sprung loaded (against two sided anvils) rotary slitting modules with fine lateral adjustment
- Multiple roller angled registration table with fine lateral and angular adjustments.
- Side lay ball cage with steel balls
- Variable speed output nip to affect variable and adjustable shingle depth.

The SCM 3096 (8ft long) Adjustable Shingling Conveyor

STANDARD SHINGLE CONVEYOR FEATURES:-

- Automatic speed following to an adjustable ratio thereby creating desired shingle overlap.
- Synthetic belt ensures smooth sheet removal and no risk of marking sheeted products.
- 8ft conveyor length to provide adequate time for product removal at highest speeds.

General

The System requires a 220 VAC single phase supply and 100PSI of air at negligible consumption.

The system will be guarded to known OSHA standards.