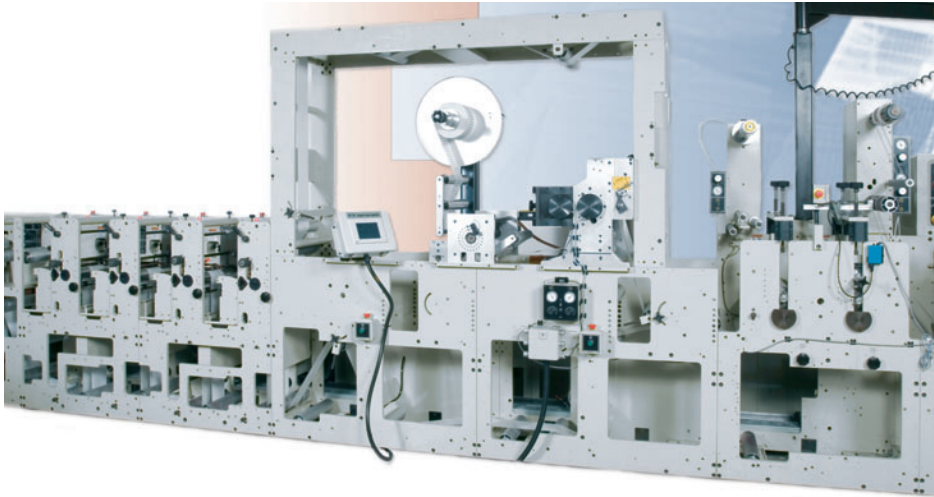




# tamarack P500 RFID



Partners for RFID Solutions



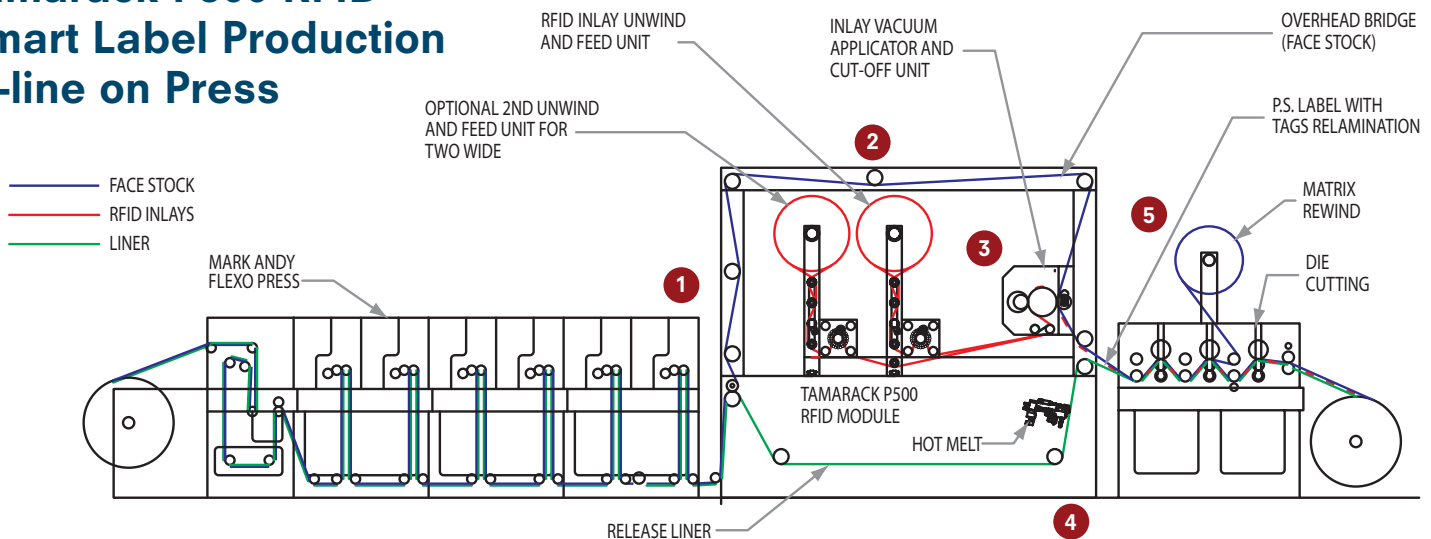
## Produce RFID smart labels in-line on your Mark Andy press with the Tamarack P500 RFID

- Smart labels produced at web speeds up to 500 ft/min (150 m/min)
- RFID inlays affixed with excellent  $\pm 1/64"$  (.4 mm) registration
- Operator-friendly

## OPERATION

- 1 Label face stock is printed, then delaminated from the release liner and routed to the Tamarack P500 RFID module.
- 2 A roll of RFID inlays is unwound, fed to length, and routed to the vacuum applicator and cut-off unit. A registration sensor for the inlay web assures cut-off between antenna repeats.
- 3 The inlay web is held to the vacuum cylinder until each inlay is cut off and then joined to the exposed adhesive of the face stock web.
- 4 The liner receives a pattern coating of hot melt adhesive to eliminate an adhesive void in the area of the inlay.
- 5 The face stock and liner webs are relaminated and routed to the press finishing section.

## Tamarack P500 RFID Smart Label Production In-line on Press

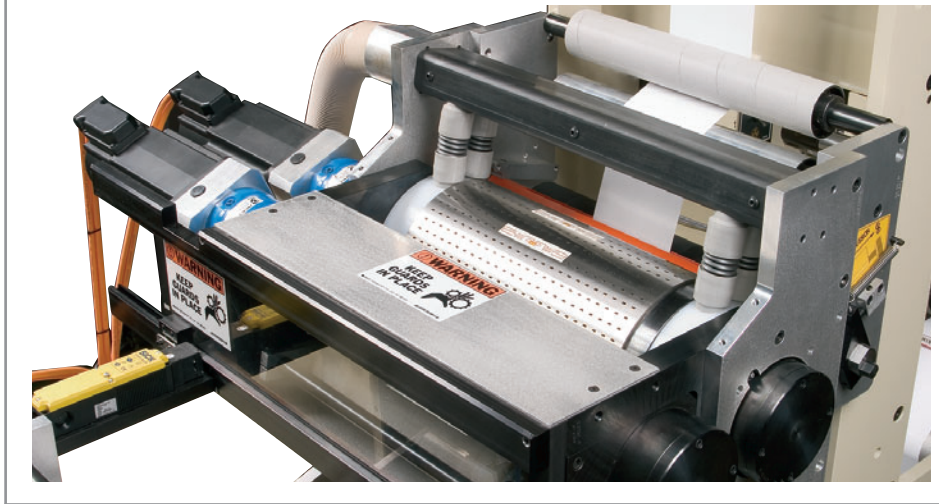


## Accommodates all inlay sizes.

The Tamarack P500 RFID affixes inlays from 3/8" to 13" wide and from 3/8" to 9" long, meeting the requirements of all inlay products. Set-up is straight-forward, with job parameters entered via a touch-screen control.

## Servo-driven components provide flexibility and productivity.

The affixing equipment can be adapted to a different part of the press, or relocated to a different Mark Andy press, as smart label production requirements change. The servo-driven components allow inlay affixing on all label repeat sizes without the need for gear changes or cylinder changes.



**Modular equipment approach provides growth path.** The affixing equipment is designed to provide simple, one-wide operation to start, and components can be added as production demands increase. For example, a second unwind/feed station can be added for two-stream operation, inlay verification systems can be accommodated, and splicing units can be added to avoid stopping for inlay roll changes. As a result, the Tamarack P500 RFID provides smart label capability to meet current production concerns — such as defective tag removal, high inlay cost, and short inlay roll lengths — yet offers productivity when high volume production is required — by affixing all inlay sizes, two-wide, at speeds up to 500 ft/min, for three-shift operation.

# SPECIFICATIONS

<b>Operation</b>	<b>Affixes roll-fed materials</b> <b>Servo-driven</b> <b>Rotary, vacuum cylinder approach</b>
<b>Web widths</b>	<b>Designed for press web widths from 10" (254mm) to 20" (508mm) (other widths available)</b>
<b>Inlay dimensions</b>	<b>From 3/8" (10mm) to 13" (330 mm) wide</b> <b>From 3/8" (10mm) to 9" (230 mm) long</b>
<b>Inlay roll sizes</b>	<b>Roll diameter up to 20" (508mm) wide</b> <b>Roll core diameter 3" (76mm)</b>
<b>Hot melt system</b>	<b>Hot melt adhesive applied to liner, extruded continuous or pattern coating</b>
<b>Static elimination system</b>	<b>Available</b>
<b>Defective inlay removal</b>	<b>Available</b>
<b>Reader Integration</b>	<b>Available</b>
<b>Electrical requirements</b>	<b>380 to 480 volt, 3 phase, 50/60 Hz. , 30amp.</b> <b>CE</b>



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