

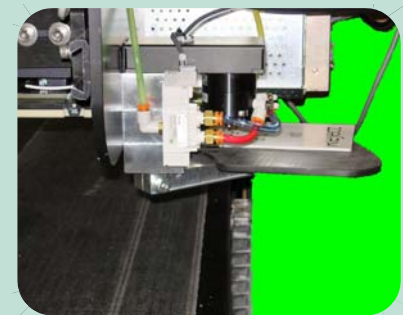
PA/5000LT™ RFID

Specifications

System Type:	EPCglobal UHF (915 MHz) Class 1 (upgradable) 1 Watt RFID Engine
Supported OEM:	SATO, Zebra, Datamax, Avery
Supported Tag Sizes:	64, 96, and 128 bit tags (Quark, Omega, Lepton)
TampTenna™ Application Rate:	55 PPM with 4 in. long label, 2 in. stroke, 12 ips 50 PPM with 6 in. long label, 2 in. stroke, 12 ips
OEM Print Engine Application Rate:	45 PPM with 4 in. long label, 2 in. stroke, 12 ips 40 PPM with 6 in. long label, 2 in. stroke, 12 ips
TampTenna™ Features:	<ul style="list-style-type: none">• Program tag outside printer for fastest rates• Program on extension stroke to minimize delay• Higher-power, focused-antenna which is outside of the confines of metal, energy absorbing printer components• Verification of tag once on product with the same antenna, no extra antennas, mounts, or readers to check integrity of applied tag
System Features:	<ul style="list-style-type: none">• RFID Engine firmware field-upgradable• Optional reject plate to discard quiet and bad tags
Diagnostic Capabilities:	<ul style="list-style-type: none">• Results of programming and verification displayed while running• Counters of Good, Bad, and Verified tags• Reader mode where tag's data can be viewed for troubleshooting
Interfacing:	<ul style="list-style-type: none">• Standard RS232/422/485 serial port for inputting label formats with embedded RFID data, and downloading firmware upgrades• Optional Ethernet module• Built-in Discrete I/O module to signal <i>good/bad tag, reject label, machine error, rfid engine malfunction, system online, and many other standard printer/applicator signals</i>



TampTenna™ Programs and Verifies RFID Labels



Heavy-Duty Reject Plate
Discards bag tags through either tamp or tamp-blow with a heavy-duty bearing housing pivot

Diagraph's RFID Philosophy

Create unique solutions that build from a platform that allows for integrated, seamless solutions. This is possible through our own circuit designs which focus attention to expandability and future upgradability. Understand the technology in-depth, versus employing canned, off-the-shelf solutions, thus bypassing knowledge. By utilizing these strategies, we have successfully designed an integrated oem rfid module, designed our own antenna solutions, and managed the challenges of metallic interferences. With Diagraph's commitment to being technology leaders, our solutions are often imitated, but hardly duplicated.