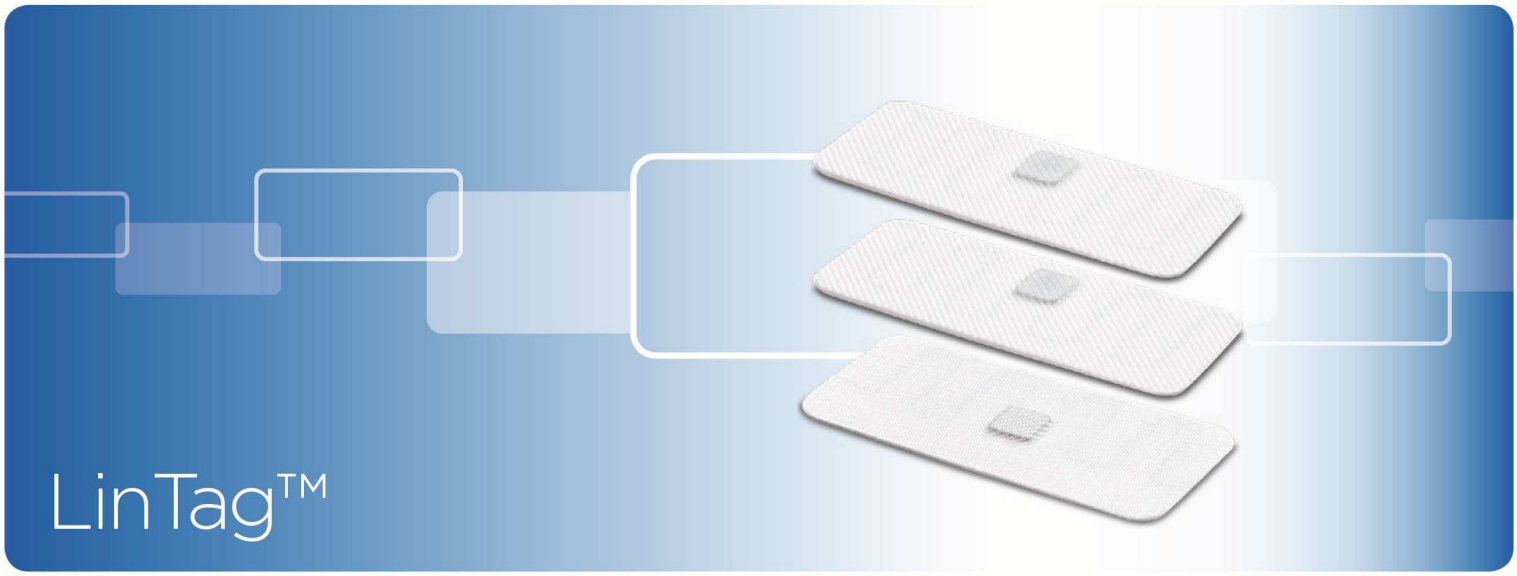


HIGH PERFORMANCE ROBUST AND FLEXIBLE TEXTILE TAGS

- **Easy application** – attach discreetly via hem, stitch or heat-seal – no pocket needed
- **High durability** – resistant to commercial laundry and dry cleaning cycles
- **Reliable performance** – consistent readability cycle after cycle

TECHNOLOGY HIGHLIGHTS:

- UHF EPC Class 1 Gen 2 and ISO 18000-6C, 128 bit EPC
- Efficient application via hem, stitch or heat-seal adhesive (no pocket needed)
- Patented design ensures reliable performance over tag life
- High water, chemical, heat and pressure resistance
- Compatible with existing RAIN UHF Laundry solutions (tag mix)
- Fabric housing masks and protects RFID chip and antenna

HID Global LinTag™ transponders apply securely and discreetly to textiles, enabling RFID tracking of high-volume, commercially laundered bed linens, towels and garments.

In contrast to garments like uniforms, linen like bed sheets or towels are washed more frequently and have to endure a tougher cleaning and drying process. Historically, this made using RFID to optimize inventory and accounting processes difficult or impossible to implement for linen. HID Global's LinTag robust design combats the industrial wash cycles for linens, withstanding the rigors of repeated washings, cleaning chemicals, sterilizing heat, and pressure. The patented design securely positions the inner chip relative to the antenna, which guarantees consistent performance over the life of the tag.

Encased in highly durable cotton-polyester fabric, LinTag units allow inconspicuous RFID tag placement into textiles. LinTag heat-seal units attach effortlessly via heat-transfer adhesive. LinTag Stitch units allow them to be directly stitched onto or seamed into fabric without the need for an extra pouch or cover saving time and costs for application. LinTag Embed units can be sewn into a small hem or pocket to accommodate existing processes.

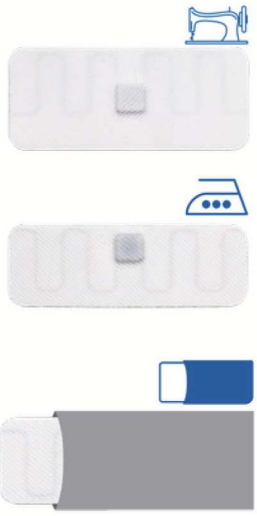
Industrial laundries and commercial cleaners are using RFID technology to improve inventory control, reduce labor requirements, and optimize the lifecycle management of individual textiles and garments. Real-time traceability delivers more accurate and timely billing, and enhances customer satisfaction.

Healthcare organizations are also tagging linens and gowns to monitor usage and inventories, automate distribution, and reduce shrinkage and staffing needs, relying on LinTag transponders to survive repeated cleaning and sterilization processes.

UHF LinTag units deliver 128 bit EPC, anti-collision functionality, fast data rate communication and read ranges of up to 23 ft (7 m).

APPLICATION AREAS:

- LAUNDRY
  - Banquet and restaurant linens
  - Hospitality bed linens and towels
  - Uniform and work wear management
- MEDICAL AND HEALTH
  - Gown and linen tracking
  - Supply and inventory management
  - Surgical counts



SPECIFICATIONS

	LinTag™ 200		
	Embed	**Stitch**	**Heat-seal**
Base Model Number	6F8991-001	6F8990-001	6F8992-001
	ELECTRONIC		
Operating Frequency	860-960 MHz (worldwide)		
Chip Type	MONZA M5		
Memory	128 bit EPC		
Anti-Collision	Yes		
Reading Distance (2W reader ERP, free space)	Up to 23 ft (7 m)		
	PHYSICAL		
Length × Width	2.5 × 0.9 in (64 × 22 mm)	2.5 × 1.1 in (64 × 28 mm)	2.5 × 0.9 in (64 × 22 mm)
Thickness	1.7 mm at module, 0.9 mm over rest of tag		
Mounting Method	Sew into hem or pouch	Stitch onto fabric	Apply via heat-seal process
Affixes To	Linens and garments		
Housing Material	Cotton and polyester		
Color	White		
Weight	0.04 oz (1.5 g)		
	MECHANICAL RESISTANCE		
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]		
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]		
Impact	IEC 62262-IK04		
Axial/Radial Force	1000 N, 10 sec		
Mechanical Tests	Bending (500 times 10 mm radius), twisting (500 times 180°), drop test (100 times 0.6 ft / 1.8 m)		
Extractor Press	60 bar		
	THERMAL (AIR)		
Storage	-40° to +185° F (-40° to +85° C) 1 × 1000 h		
Operating	-40° to +185° F (-40° to +85° C)		
Peak	248° F (120° C) 100 h		
Shock/Fatigue	+68° to +320° F (+20° to +160° C), 300 x 5 min with 30 sec transition		
	WASHING		
Withstands Exposure To	Water and all chemicals common to commercial laundry and dry cleaning		
Washing Cycles	Up to 200 commercial wash cycles		
Washing	194° F (90° C) 15 min		
Drying	248° F (120° C) 20 mi		
Tunnel Finisher	365° F (185° C) 15 min		
Ironing	+ 428° F (220 ° C) 20 bars 10 x 10 sec., a thin tissue is placed between the iron and the tag		
	OTHER		
Standards	UHF EPC Class 1 Gen 2, ISO 18000-6C		
Box Size	1,000 pcs per bag; 5,000 pcs per carton		
Warranty	3 Years		

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