



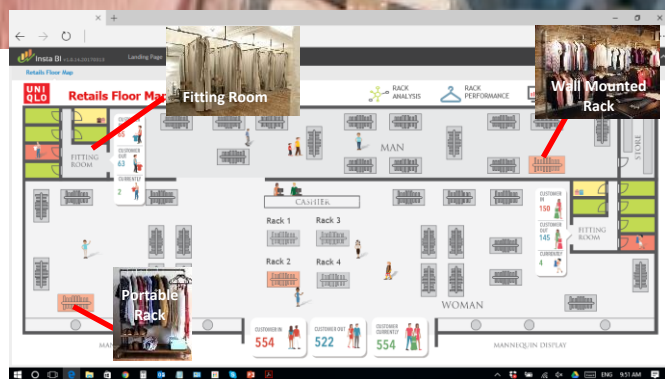
LINOTAG CONNECTED APPAREL SUITE

ADOPTING YARN AS WIRELESS ANTENNA IN APPAREL

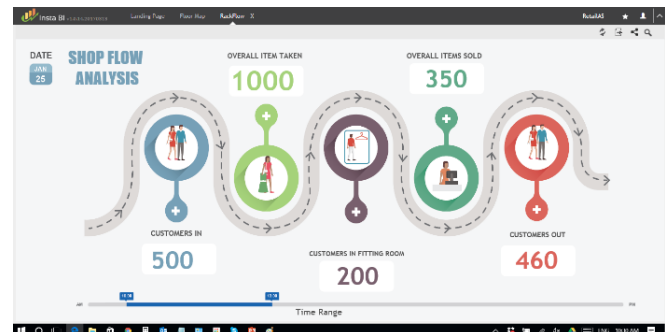
LINOTAG Connected Apparel

LINOTAG Connected Apparel is an IoT & Big Data application suite that utilises patented linen based RFID tag (patent number: PI2015701051 & PI2015701133). LINOTAG is the most cutting edge RFID design, which uses yarn as wireless antenna that goes undetected by needle detector machines.

A LINOTAG can be read up to 11m on air and up to 40cm when soaked in water. Its Connected Store Suite takes advantage of MDT Innovations' RAPITA Smarthook technology. It seamlessly equip racks with RFID scanners that help increase store's visibility on all apparels with the ability to identify if the apparels are on or off racks. The application suite analyses trends, demography, and enhances customer engagements in store.



Retail Store Dashboard



Store's Heat Map Analysis



Apparel Trend Analysis

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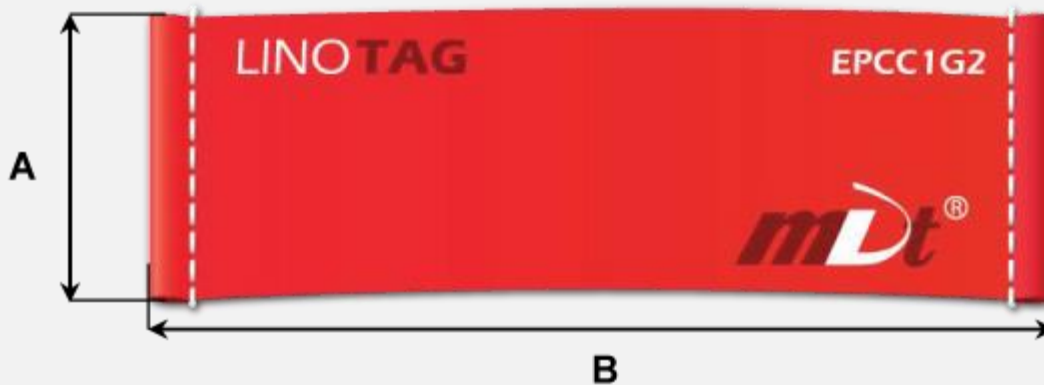
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UHF Apparel Tags

Mi-Linotag 320



MECHANICAL DIMENSIONS

A	Length	60.0 ± 0.5	mm
B	Width	22.0 ± 0.5	mm

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FEATURES

Applications	<ul style="list-style-type: none">• Apparel Tags• Asset Management
Operating Distance	Typically ~ 9m on air (9dbi antenna) Typically ~ 9m on air using Mi870E Handheld Reader
Frequency	860-960 MHz
Transmission	Passive
RF Air Protocol	EPC Class 1 Gen 2 Compliant
Functions	<ul style="list-style-type: none">• Anti-Collision: Slotted Aloha• Multiple Read Capability: 50 tags/seconds (ID Read)• Multiple Read Capability: 500 tags/seconds (EPC Read)
Chip	<ul style="list-style-type: none">• Impinj Monza R6P
Memory	<ul style="list-style-type: none">• 128 bits EPC memory



Any Bleach
When Needed



Permanent
Press



200c
(390F)
High



Any
Heat



Any
Solvent

* The care symbols stated here does not represent the correct laundry guide for the linen that is attached to LINOTAG

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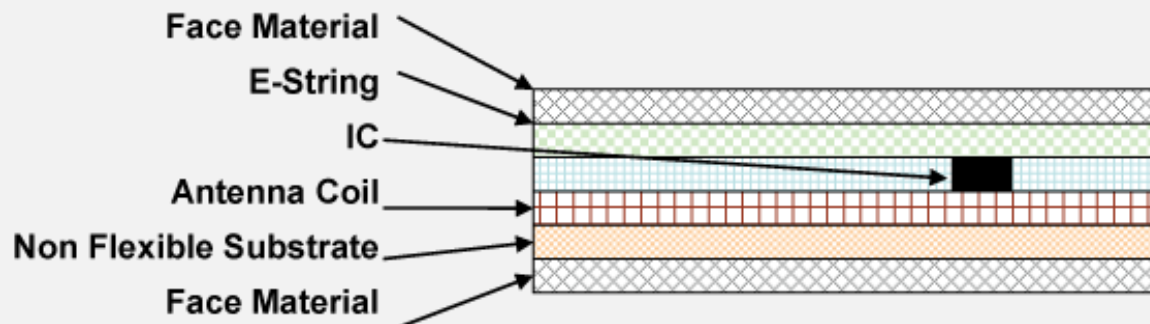
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DELIVERY FORM

Physical Characteristics	Non-Flexible Substrate with E-String
AFI	Yes
Write Protection	Block Wise
Static Pressure	10 N/mm ²
Antenna	MiRFID™ LT002 Antenna
Antenna Material	Copper
Operating Temperature	-20°C to 85°C
Write Endurance Cycle	100,000 cycles
Data Retention	Typical 10 years
Tag Format	Singulated Tag
Tag Face Material	Fabric
Tag Backing Material	Fabric
Final Inspection	100% inspection. Yield >98%.
Printable Area	Yes (optional)
Appearance	Singulated Tag with E-String
Packaging	Packed in cardbox



Data Sheet Version	Mi-Linotag-320-03
Date	17 APRIL 2017

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