



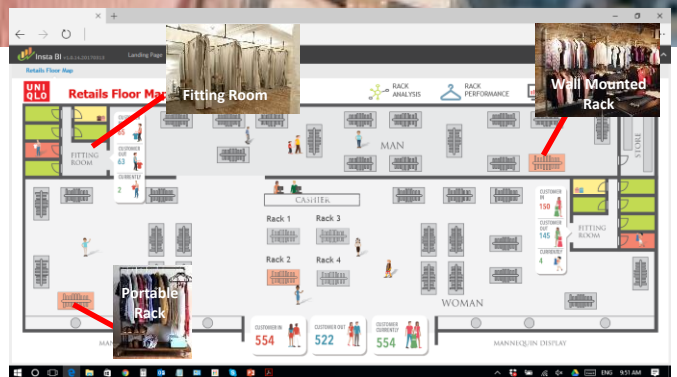
# LINOTAG CONNECTED APPAREL SUITE

## ADOPTING YARN AS WIRELESS ANTENNA IN APPAREL

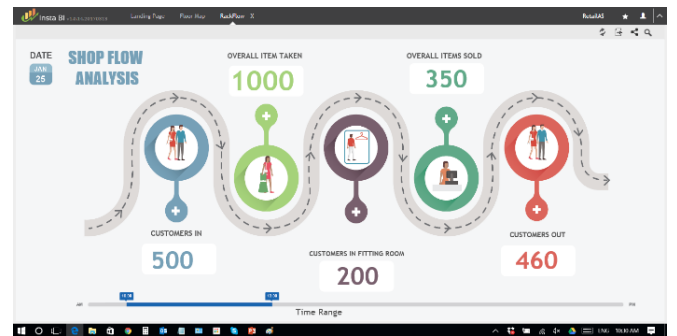
### LINOTAG Connected Apparel

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.

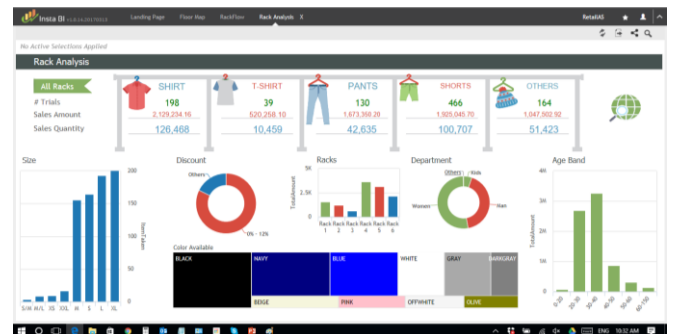
A LINOTAG can be read up to 11m on air and up to 40cm when soaked in water. Its Connected Store Suite takes advantage of MDT Innovations' RAPITA Smarthook technology. It seamlessly equip racks with RFID scanners that help increase store's visibility on all apparels with the ability to identify if the 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

A Product of:



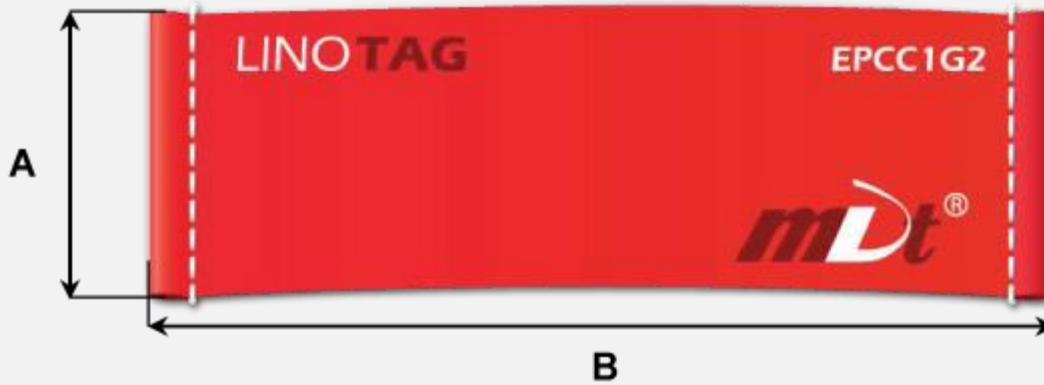
**MDT INNOVATIONS SDN. BHD.**  
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# UHF Apparel Tags

## Mi-Linotag 320



### MECHANICAL DIMENSIONS

A	Length	$60.0 \pm 0.5$	mm
B	Width	$22.0 \pm 0.5$	mm

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## Mi-Linotag 320



### FEATURES

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



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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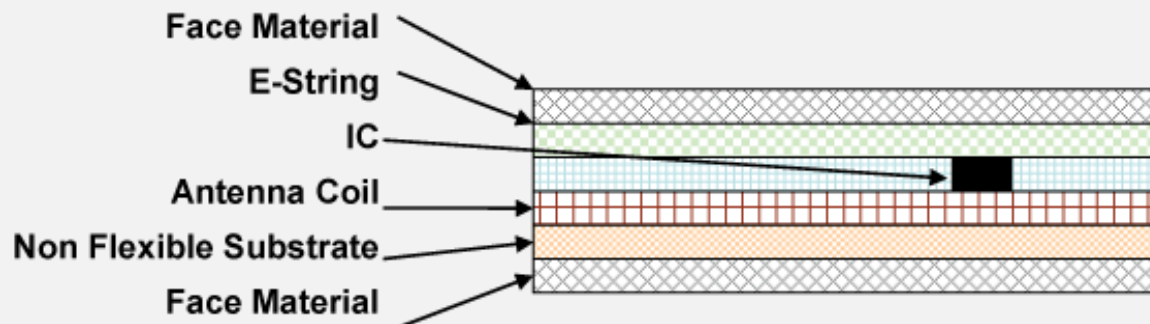
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# UHF Apparel Tags Mi-Linotag 320



## DELIVERY FORM

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



<b>Data Sheet Version</b>	Mi-Linotag-320-03
<b>Date</b>	17 APRIL 2017

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