mAntis

Logistics Vision Suite + VVR







VVR the Challenge



The demand for warehouses is to boost labor effectiveness and productivity, To reduce at the same time quality defects and rework to improve workflow standardization, To enhance workforce collaboration and enhance safety. To be innovative and competitive while keeping automation costs under control



What is VVR







What is VVR







VVR Be ahead of competition

POWERED BY POSSIBILITIES.

Hands Free Free the hands of your employees

Less errors



Short learning curve

An image is a thousand words. That easy!

Competitive pricing

Cheaper that other automations while giving more flexibility to your DC and employees

VVR Specs

Utilization of Smart Glasses

- Native integration with LVS picking operations
- Easy configuration methodology
- Hand-free picking operations
- Multimodal Picking
 - Graphical presentation of information
 - voice recognition





- Extended use of confirmation devices and methods
 - Device embedded camera
 - External wearable Bluetooth barcode scanner
 - Bluetooth wristband RFID Tag reader
 - Smart Watch



VVR vs RF Terminals



Be innovative

VVR vs Voice The best of two worlds





Errors Reduction

Confirmation of your picking can reduce errors **up to 10%** Achieved by RFID readers

Cost Effective

You can reach **up to 40% less** cost in smart glasses

True Multi Modal

Visual and auditory interaction to enhance picking experience and performance with your hands always free

Richer information Infront of your eyes

Pickers don't need to replay audio information. Information is **always** there to see!





VVR Picking Methods



EX20

MHI

VVR is ideal for



Dense Piece picking for increased variation of SKUs, applied mostly for retail and e-commerce



Case picking with high number of order lines with relatively small quantities



VVR Pick to Cart



VVR for Piece Picking

VVR Pick to Cart

Specs





One SKU + one stock attribute value per location to ensure productivity



Preconfigured carts with bins labeled by RFID tags

- RFID reader confirms location VVR
 - Voice confirms picking
 - Vision drives sorting to the cart bins
 - RFID reader confirms sorting



VVR Pick to Cart Flow





VVR Case Picking



VVR pick cases, boxes, cartons



VVR Case Picking





One SKU + one stock attribute value per location to ensure productivity



VVR

Location tagging:

- 2D barcode
- RFID labels
- Vision drives picking
- RFID reader confirms location
- Voice confirms picking







VVR position in the market



VVR is the only real-life Vision Picking solution that exists in the market

VVR Comparison Matrix

	J J R Lision + Voice + RFID	Q		
	VVR	Pick to Light	Pick to Voice	RF terminals
Hands free				X
True multimodal		X	X	X
Cost effectiveness		X	X	
Less Errors				X
Productivity				X
Go live time		X		X
Flexibility to expand		X		
Less Damages / Less Maintenance		X		X
Safety				X
Information richness		X	\mathbf{X}	
Short learning curve		\checkmark	X	X
User Friendly			X	



VVR Benefits







We created the new DNA of WMS

www.mantis.group

