



Wireless Replenishment Starter Kit

Zebra's Material Flow "Wireless Replenishment Starter Kit" is a quick start LEAN manufacturing replenishment system that replaces traditional Kanban systems as well as traditional push systems. The Replenishment solution employs a wireless line side pull system that allows for real-time request of material with the ability to prioritize orders based on the factory's operational process.

The solution comes in two implementation options:

- 1) A customer hosted solution – The solution resides on the customers premises on a customer provided server
- 2) Zebra Cloud based solution – This solution resides on a Zebra cloud based platform and offers you the customer a seamless operation without having to worry about purchasing and maintaining server hardware.

Both solutions provides manufacturing operations with the ability to centrally manage and control internal supply, within a single facility.

LEAN MANUFACTURING

Today, manufacturing organizations and facilities are seeking to get LEAN – a systematic approach to identifying and eliminating waste (non-value-added activities) through continuous improvement by flowing the product, process, information and services at the pull of the customer in pursuit of perfection. Manufacturing Execution Partnership reports that on average organizations that adopt LEAN principles achieve improvements that range from 90% reduction in cycle time, 50% productivity increase, 80% reduction in Work-In-Process inventory and 80% increase in quality improvement. Zebra's Wireless Replenishment Starter Kit is a quick start LEAN solution designed to support and automate lean replenishment techniques, the system eliminates disjointed, labor-intensive processes, providing access to actionable, real-time data from the factory floor to internal supply, thereby enabling the material handling process to shift from an audible or visual call system or a material "push" system to one where parts are "pulled" based on prioritized, real-time need at the production line-side. When operators and material handlers can rely on the system to get material delivered to them Just In Time (JIT) they can begin to reduce line-side inventory and safety sock needed.

SOLUTION COMPONENTS:



Replenishment Module – Automate and streamline your material replenishment processes throughout your facility with a real-time messaging system solution from Zebra.



The WhereCall wireless pendant is one component of the wireless Material Flow Replenishment System. It eliminates wired line-side infrastructure and replaces paper-based kanban systems.



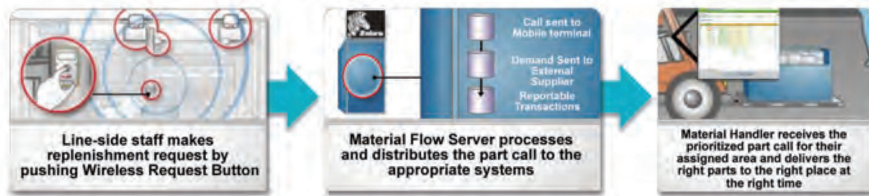
The Mobile Ruggedized Terminal (MRT) is a rugged, vehicle-mounted, PC (Personal Computer) equipped with a Microsoft® Windows® operating system that displays Zebra's Material Flow Replenishment module application. The terminal is capable of wireless data communications from a forklift truck or any properly configured vehicle.



WhereLAN sensors efficiently and accurately collect information from WhereTags and WhereCall buttons to provide you with real-time visibility of your important assets in indoor, outdoor and heavy industrial environments.

THE SYSTEM

The quick start system comes with a complete system to get one or multiple assembly lines up and running with LEAN replenishment principles. The system includes all the hardware, software and services to get started today, including 20 wireless call buttons to initiate part calls in the system. The Flow application processes the call signal and begins the replenishment process.



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Benefits

- Eliminate line stoppages and business interruptions due to late part deliveries
- Improve asset utilization
- Reduce cycle times and increase throughput
- Decrease inventory and free up floor space
- Reduce labor costs per item produced
- Improve management and utilization of resources
- Decrease expedite fees

Streamline your Replenishment process in 9 months

By helping the customer to streamline their processes, we can help them to eliminate waste and recapture lost dollars

- Decreasing on-hand inventory by 5—10%
- Reducing labor costs by 15—20%
- Improving asset utilization by 5—10%

NEXT STEPS

Get started today and order Zebra's Wireless Replenishment Starter Kit – and get your plant LEAN. Contact a Zebra LEAN professional today at inquiry4@zebra.com

Wireless Replenishment Starter Kit Bill of Material

Category	Customer Hosted Solution	Zebra Cloud Based Solution
Software	Material Flow Replenishment Application Module	Material Flow Replenishment Application Module
	Visibility Server Software	Visibility Server Software
Hardware	WhereLAN III Sensors	WhereLAN III Sensors
	WhereTag BT	WhereTag BT
	Customer Provided – Windows Server with MS SQL	
		Zebra Edge Platform
	LXE VX8/VX9 Ruggedized Terminal with mounting and power accessories	LXE VX8/VX9 Ruggedized Terminal with mounting and power accessories

