g GreyOrange
Fulfilling the future in real time™

GreyMatter™ GTP Solution

Executed by Ranger RTP

Meeting the rising customer expectations of choice and speed is the real world challenge facing fulfillment. We recognize speed-to-fulfill is at the heart of accelerating overall 'click-to-door' time and the satisfaction it delivers - a challenge that can't be met with fixed infrastructure and rigid automation built for a previous era.

Go Mobile and Smart - Fulfill Faster with GreyOrange!

Ranger™ Rack-to-Person (RTP)

The Goods-to-Person Autonomous Mobile Robots Powered by GreyMatter™

Ranger™ Rack-to-Person (RTP) is an advanced Goods-to-Person solution that automates the movement of inventory in racks to workers for picking and packing in warehouses and delivers higher throughput, accuracy, and productivity.

GreyMatter™ software powers Ranger™ RTP. GreyMatter is an intelligent fulfillment operating system that interacts with workers, robots, and other systems in fulfillment and distribution centers to orchestrate dynamic order decisions collaboratively. It continuously assesses and prioritizes orders to ensure seamless inventory availability for the highest revenue generation.

Powered by GreyMatter

Ranger™ RTP delivers greater efficiency and faster speed-to-fulfill

It has the ability to handle a variety of items including apparel, home furnishing, and general merchandise, etc. Warehouses that serve retail stores, ecommerce or omnichannel consumers can now run high-speed, cost-efficient operations by automating order fulfillment processes (putaway, inventory storage, replenishment, and order picking).

The Ranger™ RTP automation system, powered by GreyMatter™ adapts seamlessly to changing inventory profiles, demand patterns, and peaks. The modular architecture allows on-demand bi-directional scalability, increasing storage volume or fulfillment throughput independently.

Key Competitive Advantages Delivered by GreyMatter™ Software:

From reducing travel time of human workers by 5x to reconfiguring Mobile Stock Units (MSUs), and working in tandem with other robotic systems, peripherals and ERPs, the result is fluid, dynamic optimization.

- **Faster Order Fulfillment:** A smart platform to orchestrate operations across channels

- **Inventory-in-motion:** Full visibility and awareness of operations - all inventory is always active to fulfill orders across channels

- **Robot Orchestration at Scale:** Hundreds of Robots can operate together with GreyMatter™ platform

- **Waveless Fulfillment:** Real-time prioritization of orders to adjust to the express needs without any external help

- **Flexible Operations:** Quickly adapts to changing business demands and workflows

- **Lower Operating Costs:** GreyMatter™ reduces integration complexity and continuously balances cost vs revenue factors

- **Connected multi-floor operations:** Fully integrated Fulfillment Operating System to control and manage multi-floors

Product Details

1 RTP Robotic Agent

- **Payload type:** Items (eaches), Cartons, Apparel on Hangers

- **Payload:** Upto 1000 Kg (2205 lbs)

RTP Robotic Agent comes in multiple variants. One of these, Ranger™ RTP is shown here.

2 Mobile Stock Unit (MSU)

- Stores big and small cases, individual items, pallets, and much more

- Ability to reconfigure when inventory characteristics change over time

- **Variants:** Hangers for apparel, bins for auto-spare parts and pallet/barrel drums for manufacturing

3 Pick Put Stations (PPS)

- Multi-purpose workstation with multi-lingual user interface for guided pick, putaway, audit and returns operations

- Enables operator to fulfill up to 48 orders simultaneously

- **Variants:** Supports various configurations including pallet handling, put from/pick to conveyor and roll cages