

## Siemens Healthcare Diagnostics, Walpole, MA New Warehouse Addition

Siemens Healthcare Diagnostics, needing additional manufacturing and distribution space, constructed a 40,000 sq. ft. addition with a 50 foot clear ceiling.

Their existing warehouse held approximately 300 SKU's and handled large orders (20 plus totes). They processed about 1250 orders per week. The orders were printed, processed, picked and checked manually using paper support documents. The new addition had to meet 2 goals: support more SKU's in a smaller footprint and automate much of the picking process.

Abel Womack's proposed solution had 4 major sections that supported and delivered finished diagnostic materials from the adjacent manufacturing center:

- Raymond lift trucks
- Frazier pallet racks
- Unarco 4 level pick module with over 750 linear feet of zone-routing Automation conveyors
- RF-based RadioBeacon WMS (warehouse management system)

The new system distribution area, utilizing the above equipment, upgraded the cube utilization and provided more pallet and product storage. This was critical as the product had to be stored in a refrigerated environment (2-8<sup>0</sup> centigrade) and space costs were expensive. Additionally some pallets and products were stored in a nearby freezer room. The lift trucks were equipped for cold temperatures and allowed Siemens to utilize the 50' clear height.

The new system manages over 600 SKU's and is currently shipping over 3500 orders per week.

### Project Key Features:

#### Challenge

- New addition needed to support more SKU's in a smaller foot print and automate much of the picking process.

#### Abel Womack Solution

- Raymond lift trucks, Frazier pallet racks, Unarco 4 level pick module, RF-based RadioBeacon WMS.

#### Benefit

- More than doubled the number of SKU's managed.
- Almost tripled the output per week.

**Daily order rates increased from 400 to 650, and monthly pick errors were reduced from 25 to 6 per month.**  
Sr. Supervisor  
Plant Management, Siemens, Inc.



**New shelving, conveyor and spiral conveyor.**



Pick Module

