



**EQUIPMENT &
ENGINEERING COMPANY**

Customer: Fleetguard
Salt Lake City, Utah



Project Summary Sheet



*Carton flow rack
in a single level
pick module*



*Selective hand stack
rack with wire deck*

Project Scope

The scope of this project included refining the work done by a consultant and engineering an automated conveyor system with sortation, data collection and order data download and upload capability. DAK E & E supplied all equipment, coordinated and performed all installation and programming, and provided additional advice on stock locations, order picking routes, and details to make this a fully operational DC. Rack installed included selective, hand stack, pushback, pallet flow and carton flow.



*View of scale, scanner, control
Cabinet and NBS-30 sorter
running at 200 FPM.*



*Crossover and
emergency stops at NE
corner of system.*

Project Objective

Fleetguard had multiple distribution centers in the western United States, and was operating inefficiently with order shortages and shipping delays. Fleetguard leased a newly-constructed high-cube warehouse in a Seismic Zone 4 area, and solicited bids for the design and construction of pallet rack, carton flow rack and an automated conveyor system for order picking. Although a preliminary design had been completed by a consultant, DAK E & E redesigned the DC, and details such as elevations and profiling were taken into account. DAK E & E engineered an automated conveyor solution for order picking using narrow belt sorter technology.



Project Data

Distribution Center for Truck Parts
And Fleet Maintenance Products

Building Square Feet:	120,000
Selective Pallet Positions:	7,300
Hand Stack Positions:	5,400
Pallet Flow Lanes with brakes:	74
Pushback Pallet Positions:	684
Carton Flow Lanes:	1,200
Conveyor Speeds (FPM):	60 to 200
Conveyor Sort Rate (max):	2,400/hr

Interlake Rack Systems, Interlake Selecta-Flo 2000 Carton Flow, Ermanco Conveyor (NBS-30 sorters, lineshaft, accumulation), CDI Control Cabinet, TrueSort software, CSS pallet flow rails, Karnel crossover stairs, WeighTronox Scale, Carron Netting, Nashville Wire Deck

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