Dyson warehouse visit notes

Dyson warehouse surface area: 30m x 90m

Surface area dedicated to storage space: 20% to 29% of the whole warehouse.

Inventory area about 30% as well.

A screen shot of a computer

Description automatically generated

3 types of good: categorised according to type of goods: Components, PCBA and finished goods Heaviest weight: finished goods, components and PCBA

Average of 3 weeks of holding stock

Finished goods based on customer pool. Build to hold (forecast) How much is going to be used.

Lead time of the supply. Weekly forecast of the materials used.

Shelf height: 1.4m (thereabout)

Height of shelves: 4 x 1.4m = 5.6m

Length of shelves (per rack): 3.3m

Shelf spacing (between shelves): 3.5m

Width of shelves: about 2 to 2.4m (2 sided)

Standard palette size: 1.2m (width), 1m

Normal demand for the movement of the shelves: 80 palettes a day

Empty warehouse palettes: 53/2031

IF take 1.5 carton, take out 2 cartons, then put 0.5 cartons back.

Retrieved based on date of storage.

Forklift speed: 6km/hr. (safety)

Forklift is more stable, lift truck is used more often.

Run for about half of a day. (5 hours)

What’s the average distance they run: Don’t know

Movement of inventory:

A few types of movement: Today we pick for tmr (put at somewhere inside the warehouse) (refer to main image, the empty spaces are used for the movement of inventory)

Goods that come in: Store at docking area, for QA to inspect.

When passed back from QA, we will do the printing for our own box label, after which we will group the carton label to our supplier label. (as 1 palette) then move it to the shelf

QA might take up to 3 to 5 days to do inspection on the goods.