SMARTSHOP PRODUCT GOALS

Data Capture & Analytics

I need to capture appropriate data for parts so the engineers can accurately estimate job costs and help them design more efficient parts in the future.

Quality Defect Management

I want to gaurantee the highest possible quailty for parts. To do this, I need an efficient digital workflow that helps me keep track of all of a part's defects.

Overall Cost Reduction

I want a simple and efficient digital workflow that allows me to get my job done faster so I can help reduce job cycle time.

SMARTSHOP DESIGN PRINCIPLES

Get out of My Way

I know what I need to do to get my job done. I just need a tool that lets me do what I need and is flexible when I need it to be.

Keep it Simple

I have a lot of things to think about while I'm working. I don't want to have to figure out how to do my job within SmartShop.

Design for Various Screens

I never know what device I'll use. I'll be at a large touch screen for Operations Execution, but I might use a large TV, a tablet, a laptop, or smart phone for other activities.

PART ID GRID VIEW INITIATIVE

1. I need to quickly and efficiently enter a high volume of parts

2. If there is a large volume of parts, I need to be able to see if all the parts are added correctly in a single screen/view.

3. I must be able to see more details across all the parts.

4. I want to efficiently use the keyboard to add and edit parts.

Operator/Inspector
CELL // SHOP FLOOR

Complete the tasks involved for each operation and report any defects if I find something wrong throughout the course of the job.

TASKS

1. Follow the instructions to perform the given operation

2. View and utilize reference documents and manuals when needed

3. Fill out a data sheet for inspection data

4. Voucher hours to the operation

PAIN POINTS

1. Redundant information on data sheet, manual, and router

2. Unclear workscope communication to operators

3. Physicality of the operation

4. Safety / EHS requirements & dangers