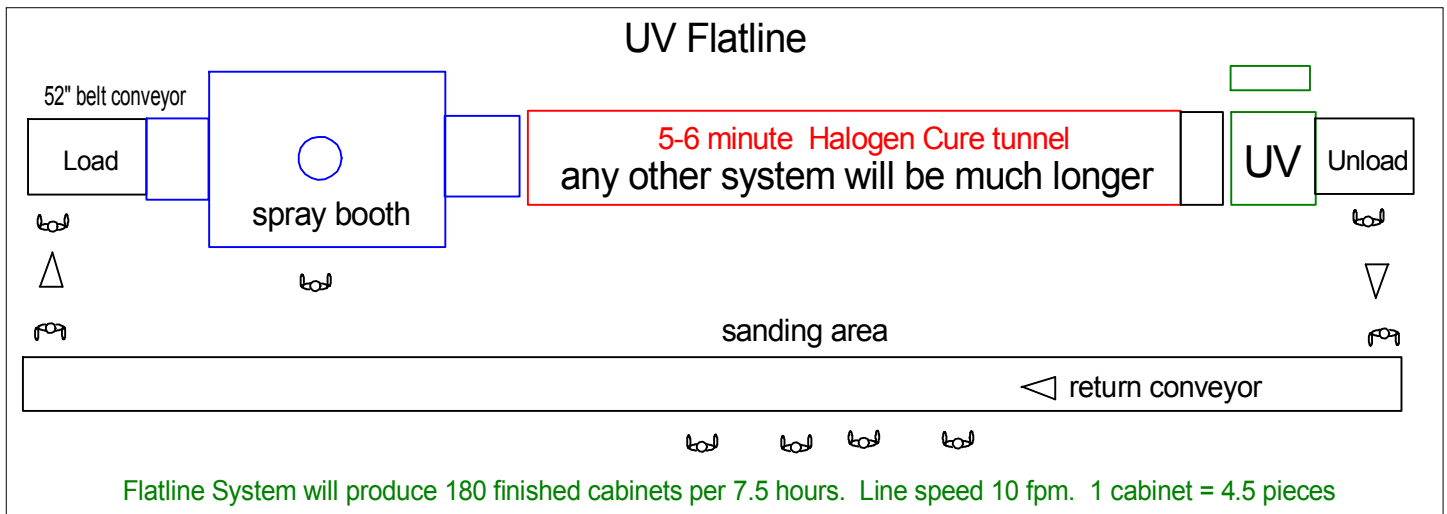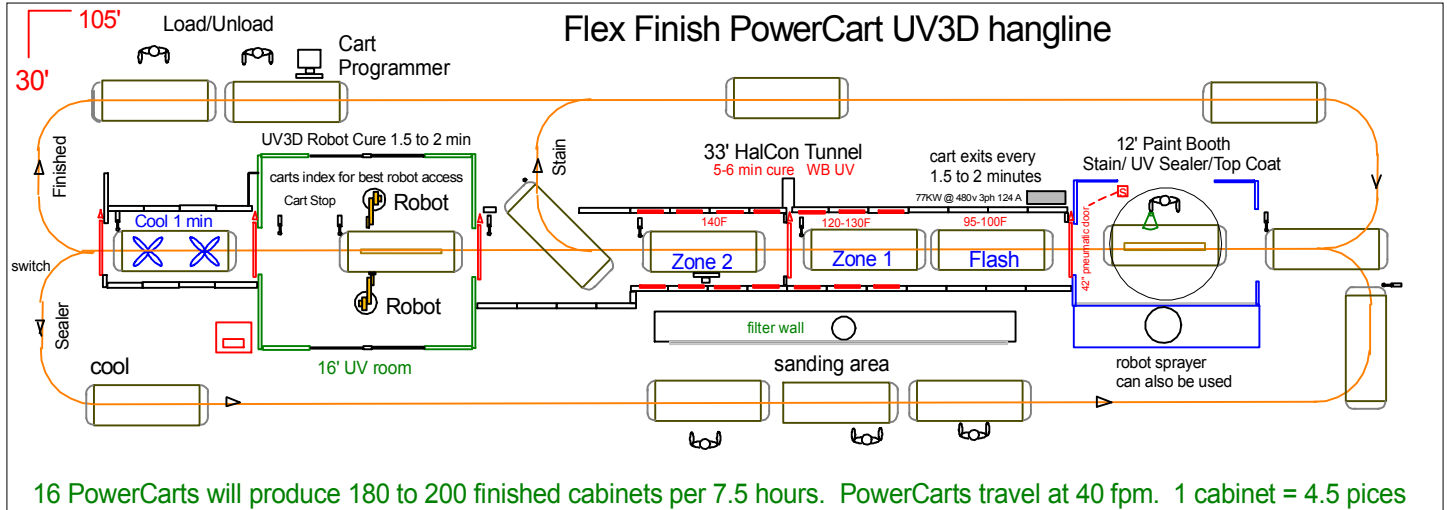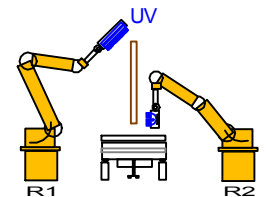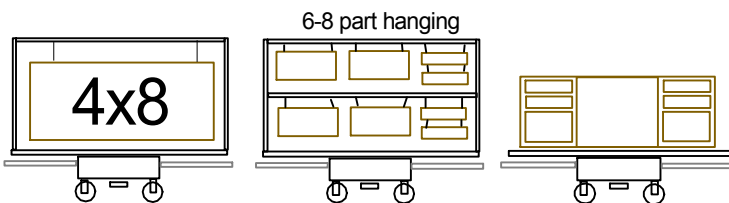# PowerCart UV3D System vs UV Flatline

PowerCart UV3D system will produce the same quantity of finished product and has the same factory floor space requirements as a Flatline UV system. PowerCart system will also allow for assembled cabinets to be finished on line. Both sides of the product are sprayed and finshed on a single pass vs a flatline that will require 6 passes thru the system. The PowerCart system will also allow for batching cabinets which reduces color matching and inventory issues. You can spray multiple colors and stains or conventional finishes and the PowerCart will communicate to the tunnel and robots what cure program to run. A flatline system will need to be flushed everytime you change a color or coating. No Stacking or handling the product is required by the PowerCart and the system is easy to expand for higher production or additional finish glaze operations. The PowerCart will use the same amount of labor or less and is the same cost or less then a Flatline system.

Flex Finish PowerCart UV3D hangline

105'
30'
Load/Unload
Cart Programmer
UV3D Robot Cure 1.5 to 2 min
carts index for best robot access
Cart Stop
Robot
Robot
16' UV room
Finished
Stain
Sealer
switch
Cool 1 min
cool
33' HalCon Tunnel
5-6 min cure   WB UV
cart exits every 1.5 to 2 minutes
77KW @ 480v 3ph 124 A
140F
120-130F
95-100F
Zone 2
Zone 1
Flash
filter wall
sanding area
12' Paint Booth
Stain/ UV Sealer/Top Coat
42" pneumatic door
robot sprayer can also be used

16 PowerCarts will produce 180 to 200 finished cabinets per 7.5 hours. PowerCarts travel at 40 fpm. 1 cabinet = 4.5 pices

UV Flatline

52" belt conveyor
Load
spray booth
5-6 minute Halogen Cure tunnel
any other system will be much longer
UV
Unload
sanding area
return conveyor

Flatline System will produce 180 finished cabinets per 7.5 hours. Line speed 10 fpm. 1 cabinet = 4.5 pieces

PowerCart UV3D "The Next Generation in Finishing"

6-8 part hanging
4x8

PowerCart communicates with the HalCon Tunnels and Robots to run the best program for the product. This allows you to use different paints on the line and the HalCon tunnels and robots will automatically adjust to the proper cure program.

Finish Line Support

Prime Heat offers Finish Line monitoring and programming. With the internet, we can add and change programs, monitor all PowerCart activities and produce robotic programs and send them directly to your loading station

UV
R1
R2

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