the one thing that we do is we always look at the solid model at the very beginning of the process the design group designs that solid model up and Dassault works what we do is we start creating manufacturing plans from the very beginning of the product development process and what we do there

is we kind of look at the solid model look at how are we actually going to build it on the certain line that we

actually have a plan for that plan will be okay what part do we put in place first what do we need as far as fixtures as ours lifts devices and we also look at okay what stations will each work content will work at how can we actually balance out that line from a lean perspective so what we do is we create a plan create a sequence document sheet we also use the prints for the assemblies that we put those together so we use the correlation of the sequence sheets and the assembly prints kind of figure out a good sequence how can we balance out that work and then actually put it all together in a plan we have the area manager who's like the line supervisor we also have the group leader of the line who is involved because they are very subject matter experts on how that line goes and as far as processes on how it's built we also have the manufacturing engineer who's there for

documentation reasons and then yet also the challenge or take down any obstacles that may be in the way the manufacturing processes are reviewed and approved throughout the pop through like pilot and ECM so when we build our first five machines or units what we do is we prove out that plan that we created that sequence along with the sequence operated sheets and then also the imprints we do all the documentation because what we want to do is once we come back from that pilot bill we'll go straight into production we're often going and we can get that product to the customer as quickly as possible the expectation I would have of a new graduate is go down on the floor go down to a line learn the processes learn the product know the people get to know the people as well because they're going to be your subject matter experts on the line so you need to talk to them

and find out okay what works for them what doesn't work what sequences don't work is there any issues on the line that you need to take care of.