

Work Name

# TMMK LEXUS DISPLAY MINOMI RACK

Work Outline

**IMPROVE ERGONOMIC BURDEN ON TM**

## DELIVERING LEXUS DISPLAYS FROM MINOMI GROUP TO PRODUCTION PROCESS

Before Kaizen

1. Minomi team member loads displays to box and stages on push cart. TM pushes cart to production process across the aisle.
2. Minomi team member unloads each box individually to process flowrack.
3. Load height is higher than standard with box weight. Causing ergo burden on member.
4. Team member bends over to pickup dunnage creating ergo burden.
5. Production team member has to bend over to empty dunnage. Creates ergonomic burden.



Before Kaizen

**Conveying Lexus Displays and dunnage handling creates ergonomic burden on minomi and production team members.**

Power source

Other/NA

Power transfer mechanism

Others, NA

After Kaizen

1. Minomi team member loads displays to box and stages on flowrack.
2. Flowrack height is under safety standard for load height with weight of box.
3. Minomi team member pushes flowrack across aisle and syncs to process flowrack.
4. Minomi team member releases lock and lifts top rollers to unload displays to flowrack. Assisted by struts.
5. After syncing, dunnage auto unloads from process to minomi flowrack.
6. Added one-touch dump to production flowrack to eliminate bending over for dunnage.



After Kaizen

**Conveying Lexus Displays can now be performed with N=0 ergonomic burden on minomi team member. Adding one-touch also eliminates ergonomic burden on production team member.**