

WELD SEQUENCER

SIMPLIFY THE PROCESS.... ONE STEP AT A TIME

LINCOLN ELECTRIC WELD SEQUENCER CASE STUDY

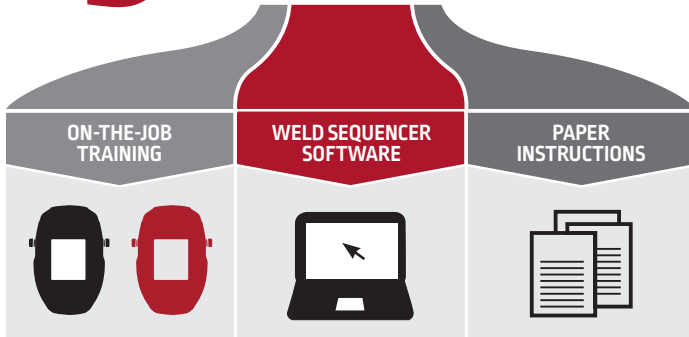
TEST PARTICIPANTS

24



Grouped by training method

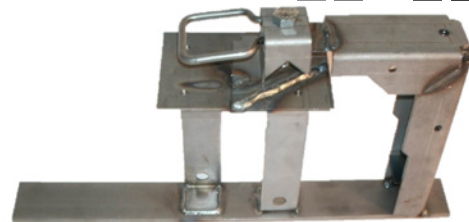
3 NEW ASSEMBLY TRAINING METHODS



Participants were divided into three groups and assigned a training method. Each training group was provided a one-time assembly demonstration.

NEW ASSEMBLY TEST PIECE

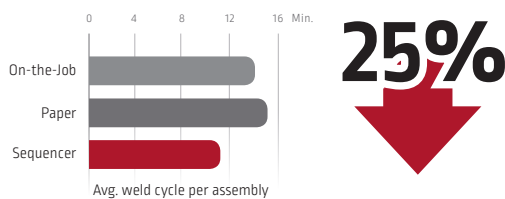
- HIDDEN WELDS
- MULTIPLE WELD PROCEDURES
- VARIOUS MATERIAL THICKNESS
- SPECIFIC ASSEMBLY ORDER
- ASSEMBLY ERROR POSSIBLE
- NO WELDING FIXTURE



NEW ASSEMBLY TRAINING



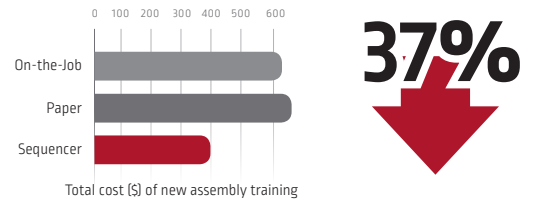
INITIAL TRAINING TIME



25%



INITIAL TRAINING COST



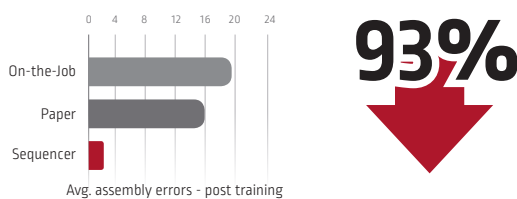
37%

Initial training figures based on average results of ten assembly pieces per participant.

POST-TRAINING PRODUCTIVITY



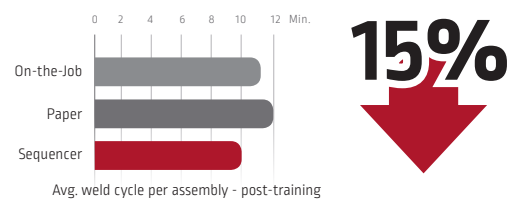
ASSEMBLY ERRORS



93%



WELD CYCLE TIMES



15%

Results based on data gathered at Lincoln Electric's facility. Customer results may vary based on particular circumstances