

FSM HOOK WELDING AUTOMATISATION

TMMF

<input checked="" type="checkbox"/> SAFETY	<input checked="" type="checkbox"/> QUALITY	<input type="checkbox"/> COST	<input type="checkbox"/> YOKOTEN SbS
<input type="checkbox"/> ENVIRONMENT	<input checked="" type="checkbox"/> PRODUCTIVITY	<input type="checkbox"/> OTHER	

BACKGROUND - INITIAL CONDITION - BEFORE KAIZEN

FSM tack Hook assembly process LH - RH

Process 1 :

1 spot with manal gun



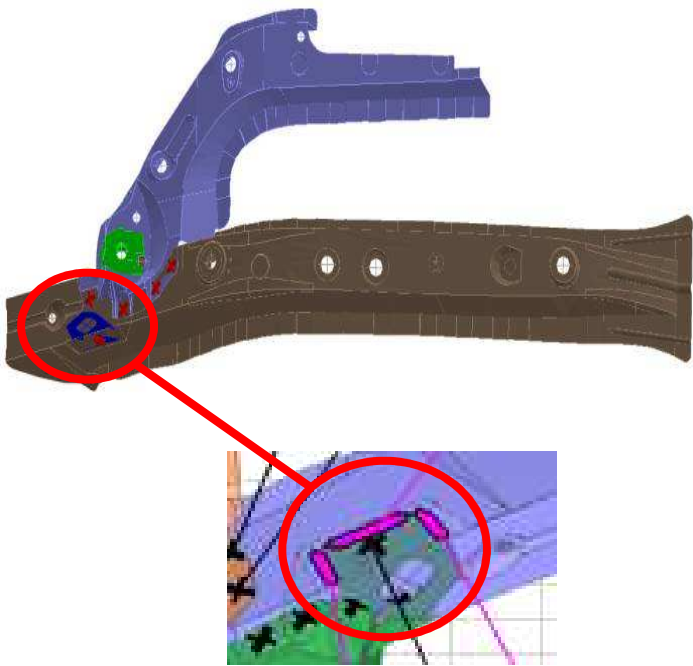
Sequence time : 5 s

Process 2 :

100 mm of bead with manual torch



Sequence time : 20 s



Manual hook :
LH + RH cycle time : 50 s

BENEFITS AND TARGET

Kaizen :

FSM Hook Welding process

Manual -----> Robot (Respot ST 8)

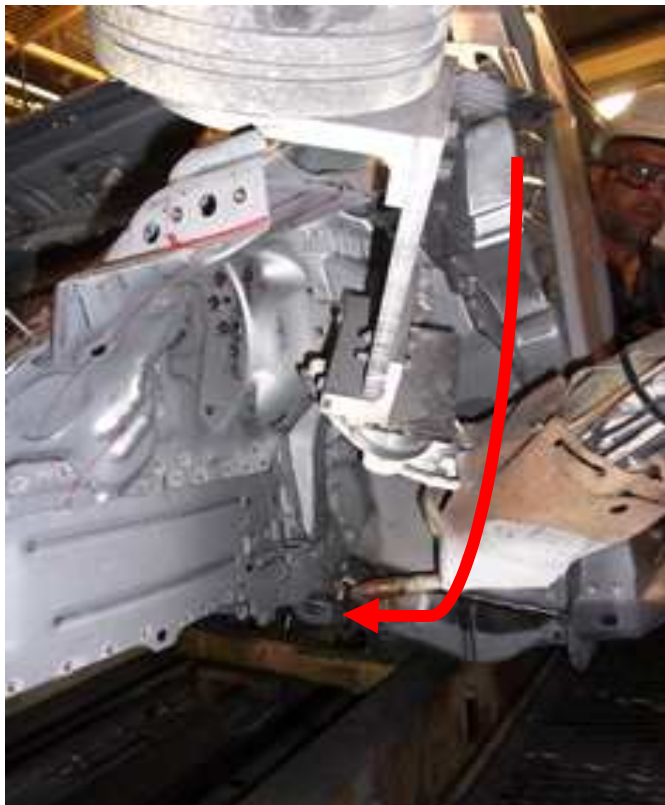
Target :

1 process Reduction

Avoid UV and Projection due to mag manual process.

CURRENT CONDITION - AFTER KAIZEN

Torch support Modification in MMR 8-1 and 8-2 to access in wheel house



AFTER REBALANCING OF THE LINE -----> 1 PROCESS REDUCTION