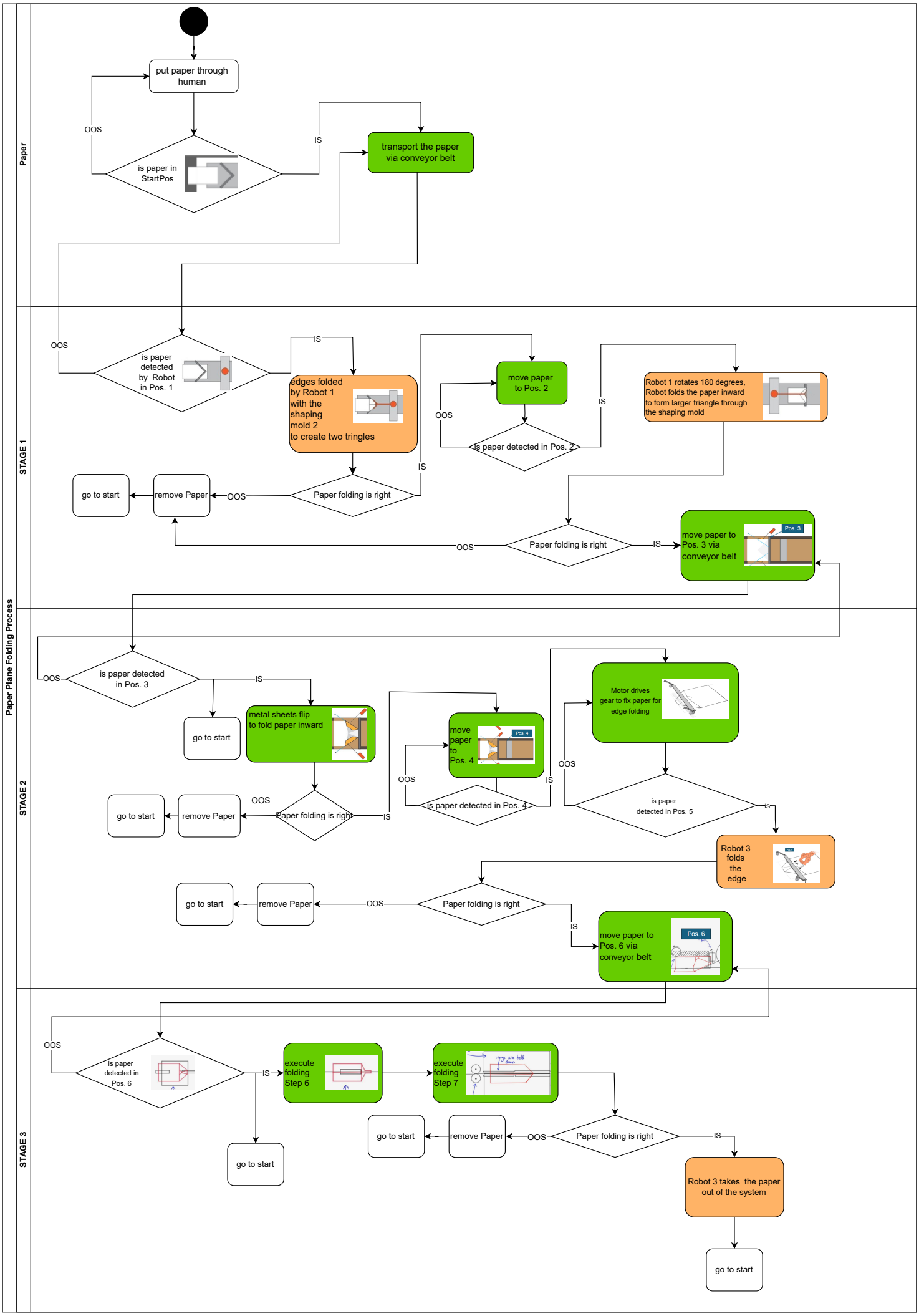
Paper Plane Folding Process
Paper
put paper through human
is paper in StartPos
OOS
IS
transport the paper via conveyor belt
STAGE 1
is paper detected by Robot in Pos. 1
edges folded by Robot 1 with the shaping mold 2 to create two tringles
move paper to Pos. 2
is paper detected in Pos. 2
Robot 1 rotates 180 degrees, Robot folds the paper inward to form larger triangle through the shaping mold
Paper folding is right
remove Paper
go to start
move paper to Pos. 3 via conveyor belt
Pos. 3
STAGE 2
is paper detected in Pos. 3
metal sheets flip to fold paper inward
move paper to Pos. 4
Pos. 4
is paper detected in Pos. 4
Motor drives gear to fix paper for edge folding
is paper detected in Pos. 5
Robot 3 folds the edge
move paper to Pos. 6 via conveyor belt
Pos. 6
STAGE 3
is paper detected in Pos. 6
execute folding Step 6
execute folding Step 7
Robot 3 takes the paper out of the system