STATUS INDICATOR

RUNNING

Platform is ONLINE

and READY

Platform is WAITING

RUNNING

for components

(If this status persists for more than 2 minutes upon startup, please refer to the

HEALTH tab on the SETUP page for component status details)

BUILDING X

Platform is training an ASSEMBLY

NAVIGATION TABS

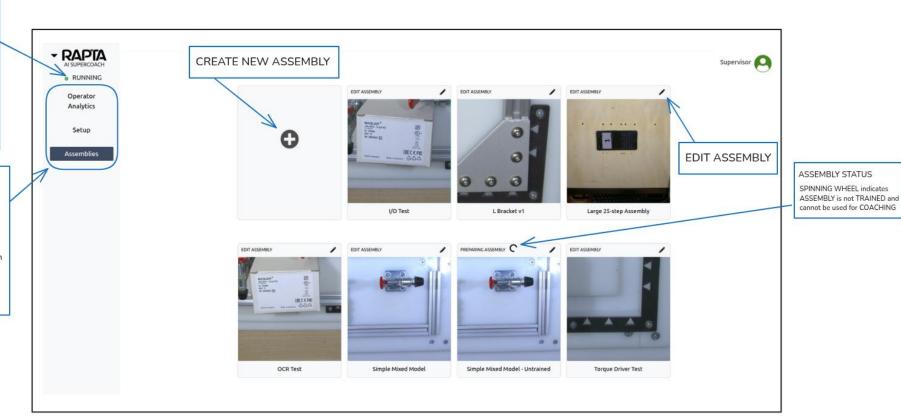
OPERATOR ANALYTICS Allows viewing of all ASSEMBLY RECORDS

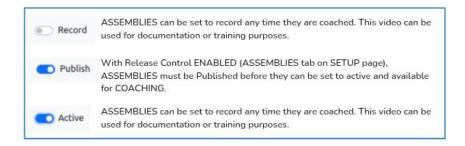
SETUP

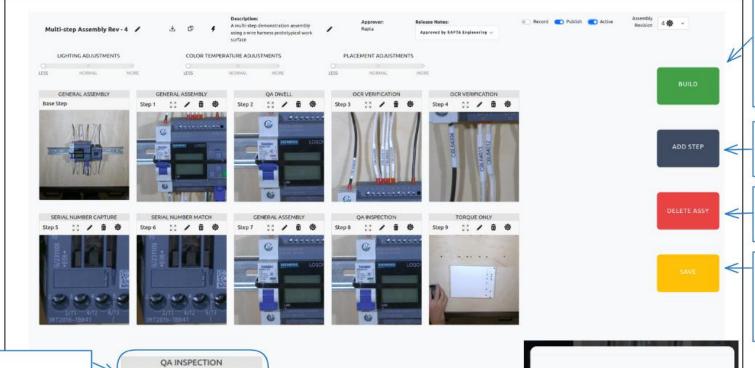
Configuration options for the Rapta Supercoach

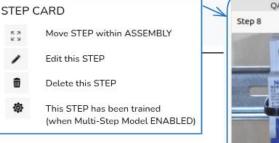
ASSEMBLIES

Editing and creating new ASSEMBLIES











ASSEMBLY REVISIONS

REVISIONS are snapshots of an ASSEMBLY's state at a given time.

Anytime edits are made that impact STEPS in an ASSEMBLY, a new REVISION is created.

Before reaching the ASSEMBLY edit page, the user is prompted to select a REVISION to edit.
REVISIONS may also be selected from the drop-down in the top right.

BUILD

Trains the AI model and allows the ASSEMBLY to be active for COACHING.

This symbol will mark ASSEMBLY REVISIONS that have all steps trained. When Multi-step Model is ENABLED (see ASSEMBLIES tab on SETUP page), this symbol marks STEPS that have been trained.

ADD STEP

Allows a user to add a STEP to this ASSEMBLY

DELETE ASSEMBLY

Allows a user to DELETE this ASSEMBLY

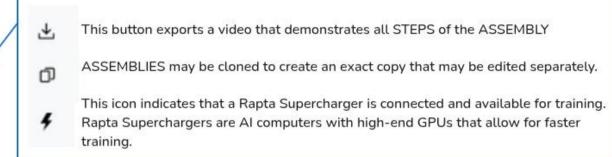
SAVE ASSEMBLY

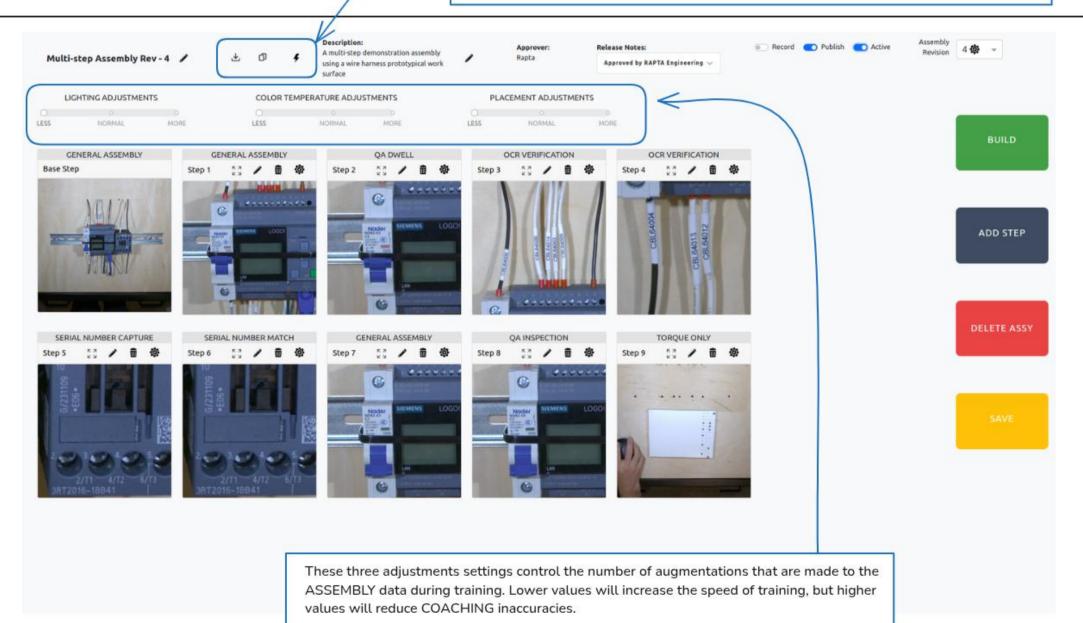
You are editing Revision 4. Either continue editing, or change to a

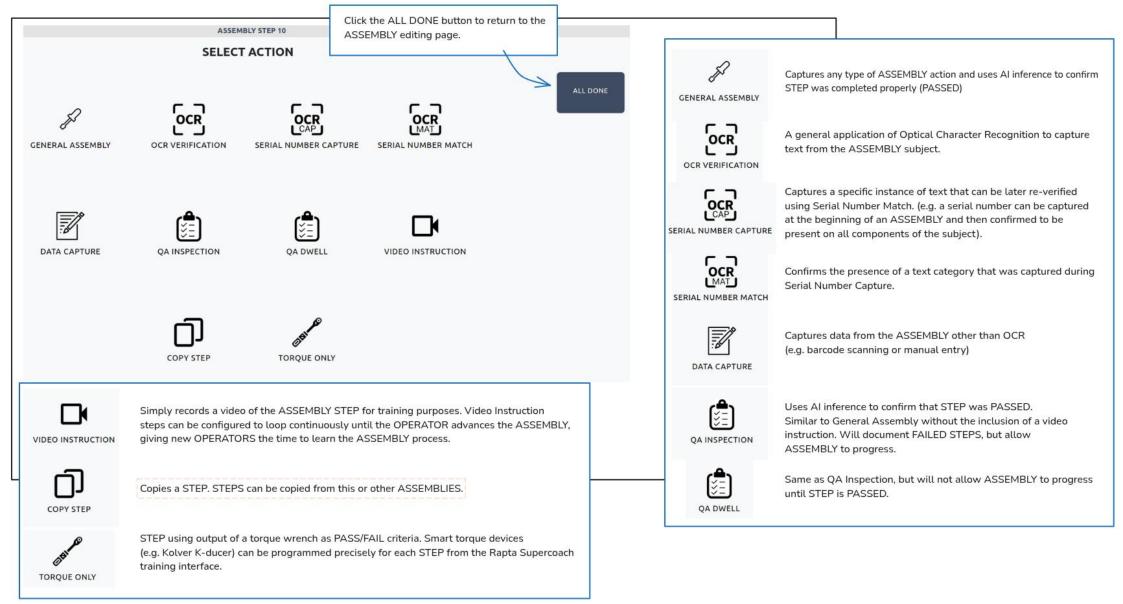
different revision.

Most recent edit: Revision 4 today at 04:38 PM

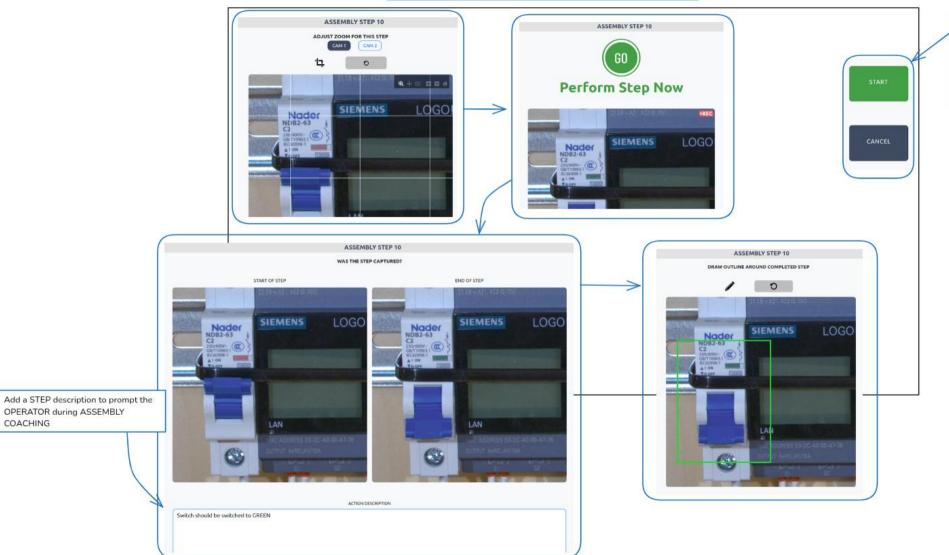
Saves the edits made to the ASSEMBLY without training. If changes are made to STEPS, the ASSEMBLY will need to be trained before being available for COACHING.





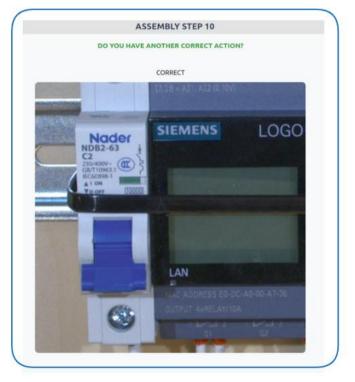


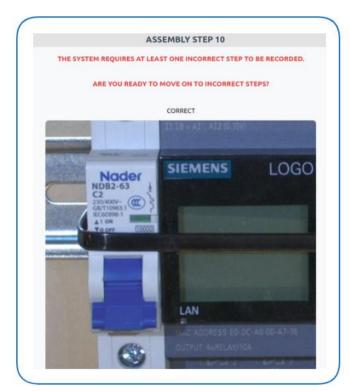
Simply follow the user prompts at the top of the page during TRAINING.



Click the GREEN button after following prompts to advance the TRAINING procedure.

Click the GREY or RED button at any time to return to a previous TRAINING step. In addition to the main action of the ASSEMBLY STEP, additional correct and incorrect actions may also be trained. Documenting these possible outcomes and adding them to the training data will make the AI inference more robust, as well as provide the OPERATOR with more information during COACHING.





Click the GREEN button after following prompts to advance the TRAINING procedure.

Click the GREY or RED button at any time to return to a previous TRAINING step.

CANCEL



When TRAINING torque STEPS, the user is prompted to enter the following torque parameters:

Target Torque - the intended final torque for the fastener

Max Torque - the maximum allowable torque for the application

Torque Units - units by which torque is measured in this application

Run Speed - the speed of rotation during tightening

Speed Units - revolutions per minute

Angle Check - when ENABLED, will require the tightening to be performed within the indicated angle tolerance of the Final Rotaion Angle.

Final Rotation Angle - the intended rotation angle of the fastener

Permitted Angle Tolerance - upper and lower limit of rotation from the Final Rotation Angle. (i.e. fastener must be turned a number of degrees within this range: Final Rotation Angle \pm Permitted Angle Tolerance)

After performing the torque step during training, the achieved Final Rotation Angle is presented. The user is able to precisely set this value on the following screen while defining the region of interest and adding a STEP description.

ASSEMBLY STEP 12 DRAW OUTLINE AROUND COMPLETED STEP C Selected Field Button Code FIELD IN USE **Button Code** FIELD IN USE Connection Location Code FIELD IN USE Connection Type

During Data Capture

defined.

STEPS, select a region of interest in the camera view and a corresponding label. Custom labels can be

ASSEMBLY STEP 12 DRAW OUTLINE AROUND COMPLETED STEP SIEMENS Selected Field Custom Field Custom Field Enter new custom field name...

To copy a STEP, select the source ASSEMBLY and REVISION and then click the STEP card to copy.



When Rapta's Alignment AI is ENABLED for a step, when this STEP is COACHED, the platform will automatically pan the camera to capture these OCR subjects.

