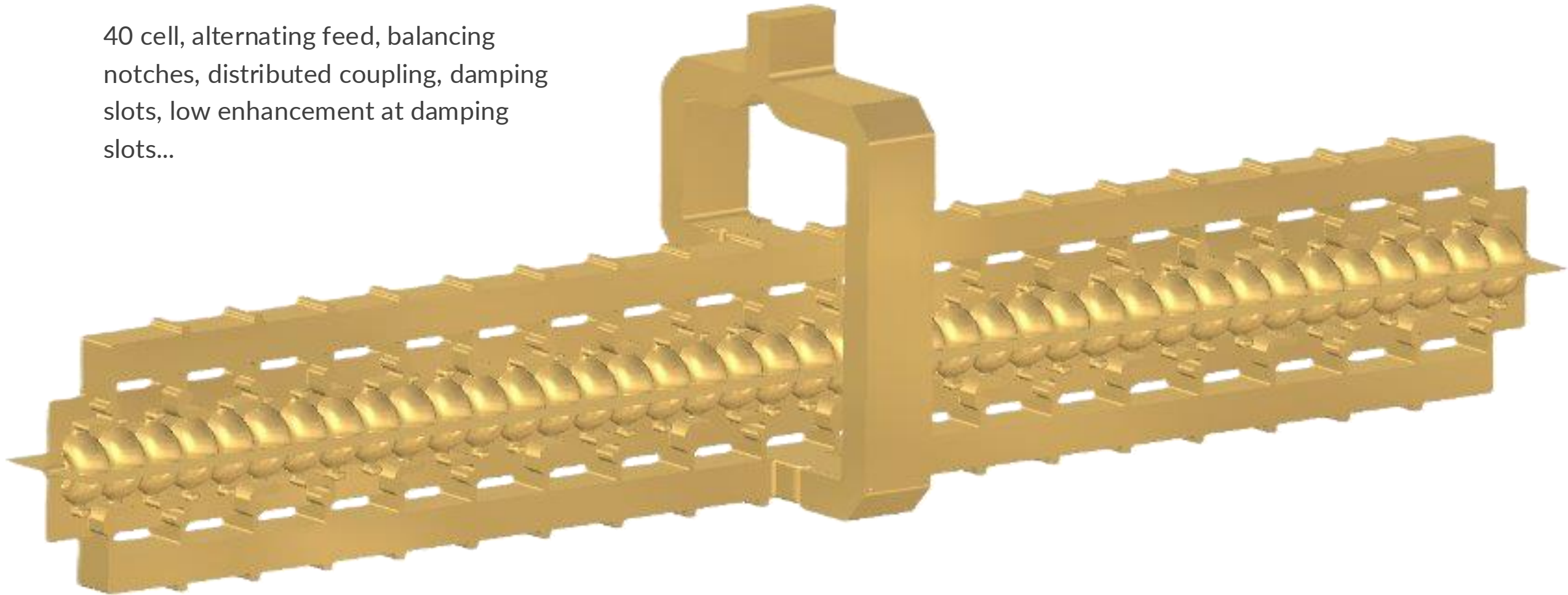


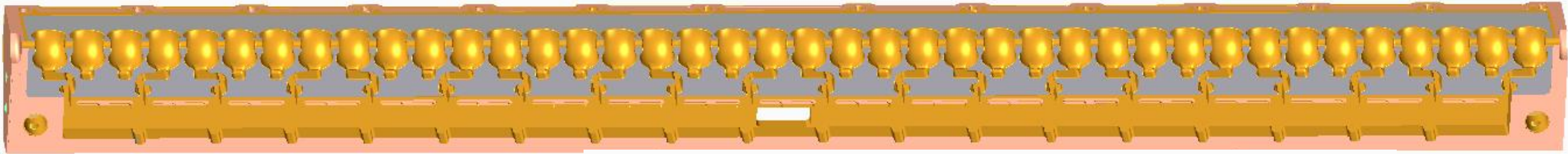
C3 CCA-4P-V2 Vacuum Space

40 cell, alternating feed, balancing
notches, distributed coupling, damping
slots, low enhancement at damping
slots...

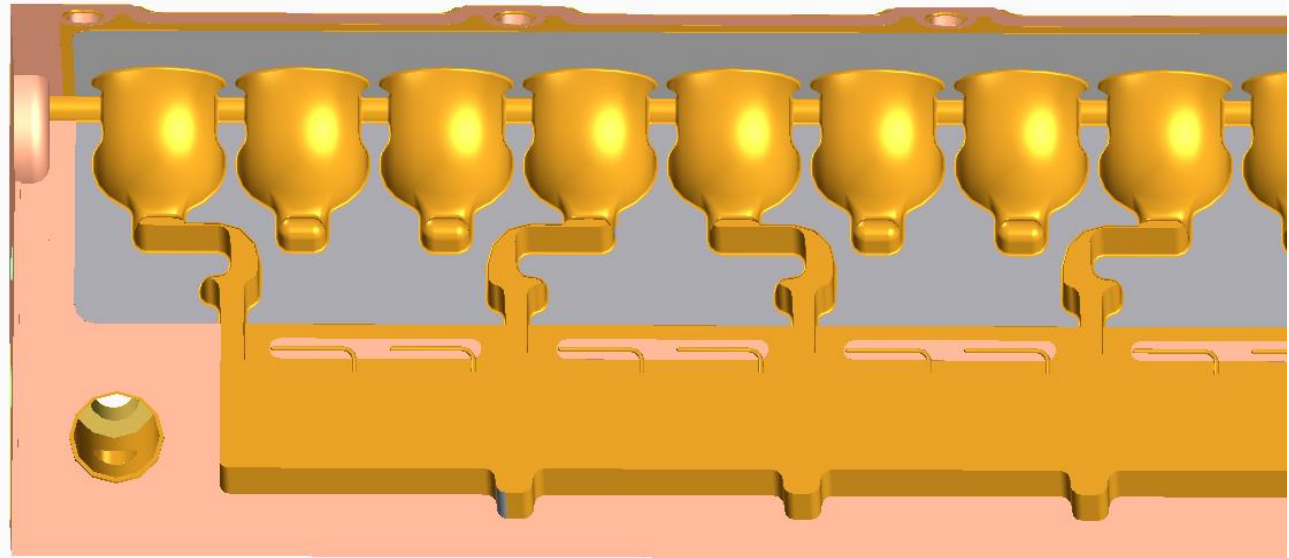


Machined Bars

Process to minimize distortion and accommodate loss coating

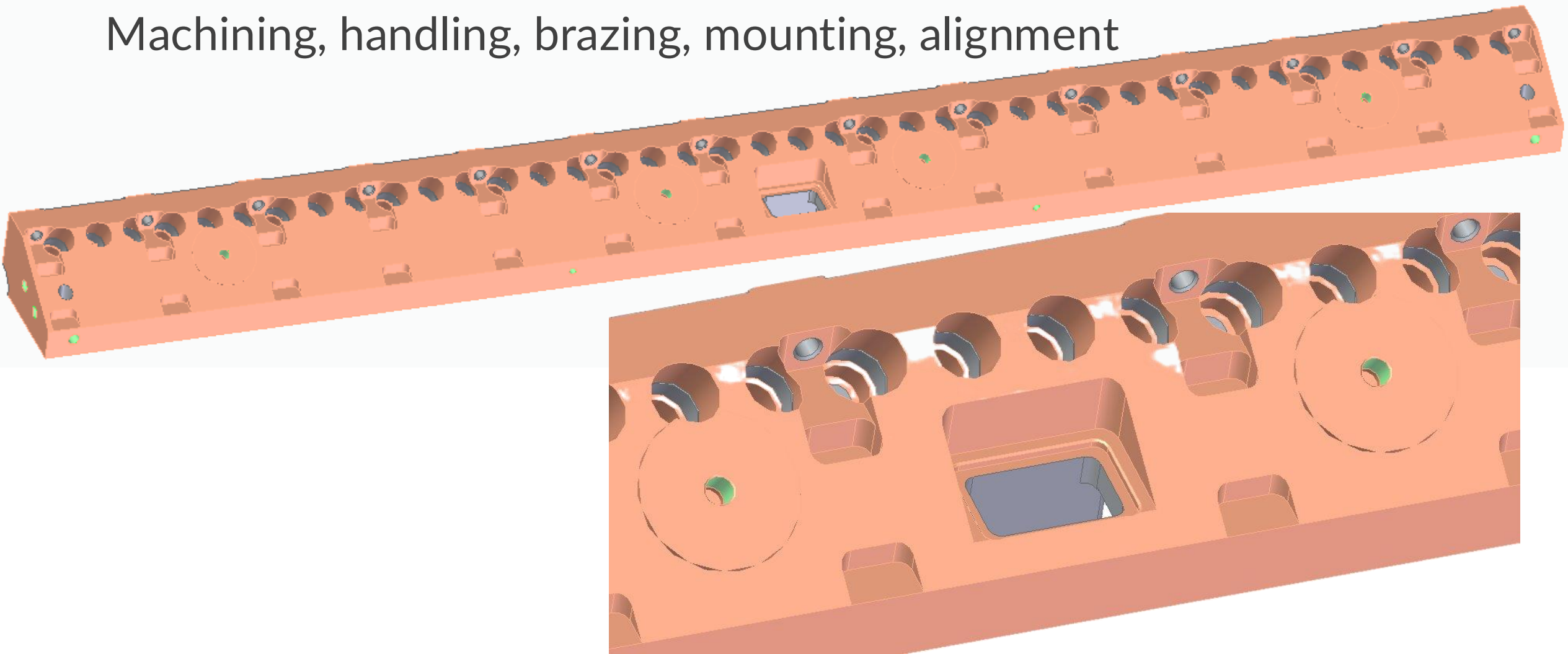


Sequence to include heat treating,
strain free work holding and in
process inspection



External Features

Machining, handling, brazing, mounting, alignment



Assembled/Brazed Structure

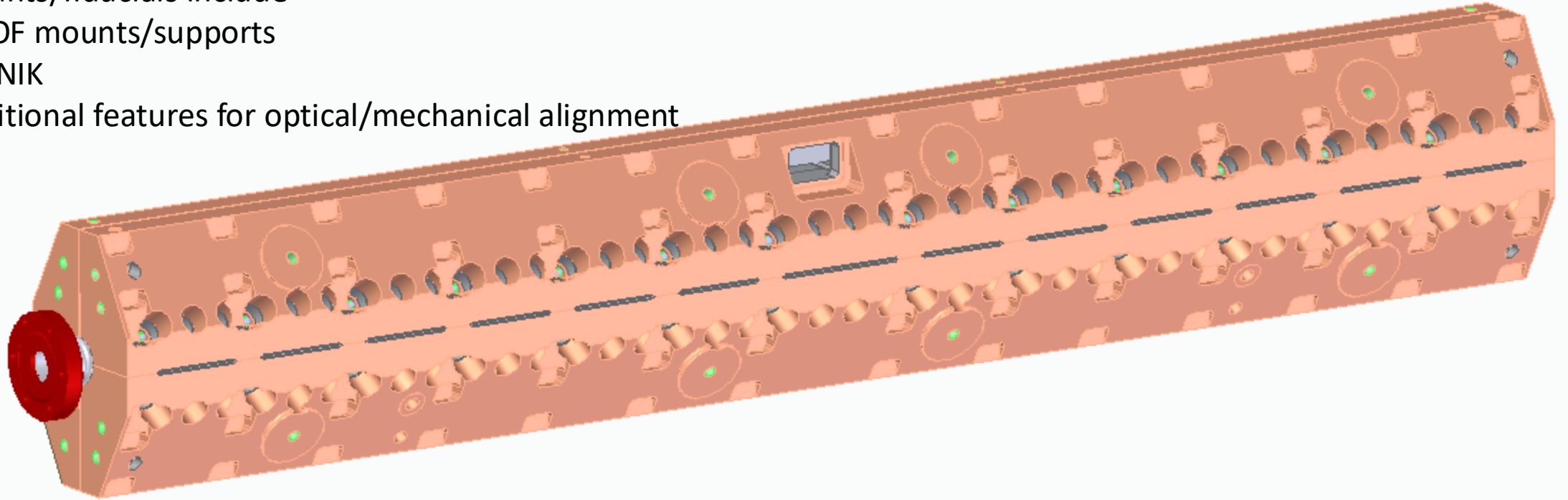
Waveguide stubs with weld and clamp flanges not shown, beam line CFF will be a welded flex.

Mounts/fiducials include

6 DOF mounts/supports

RASNIK

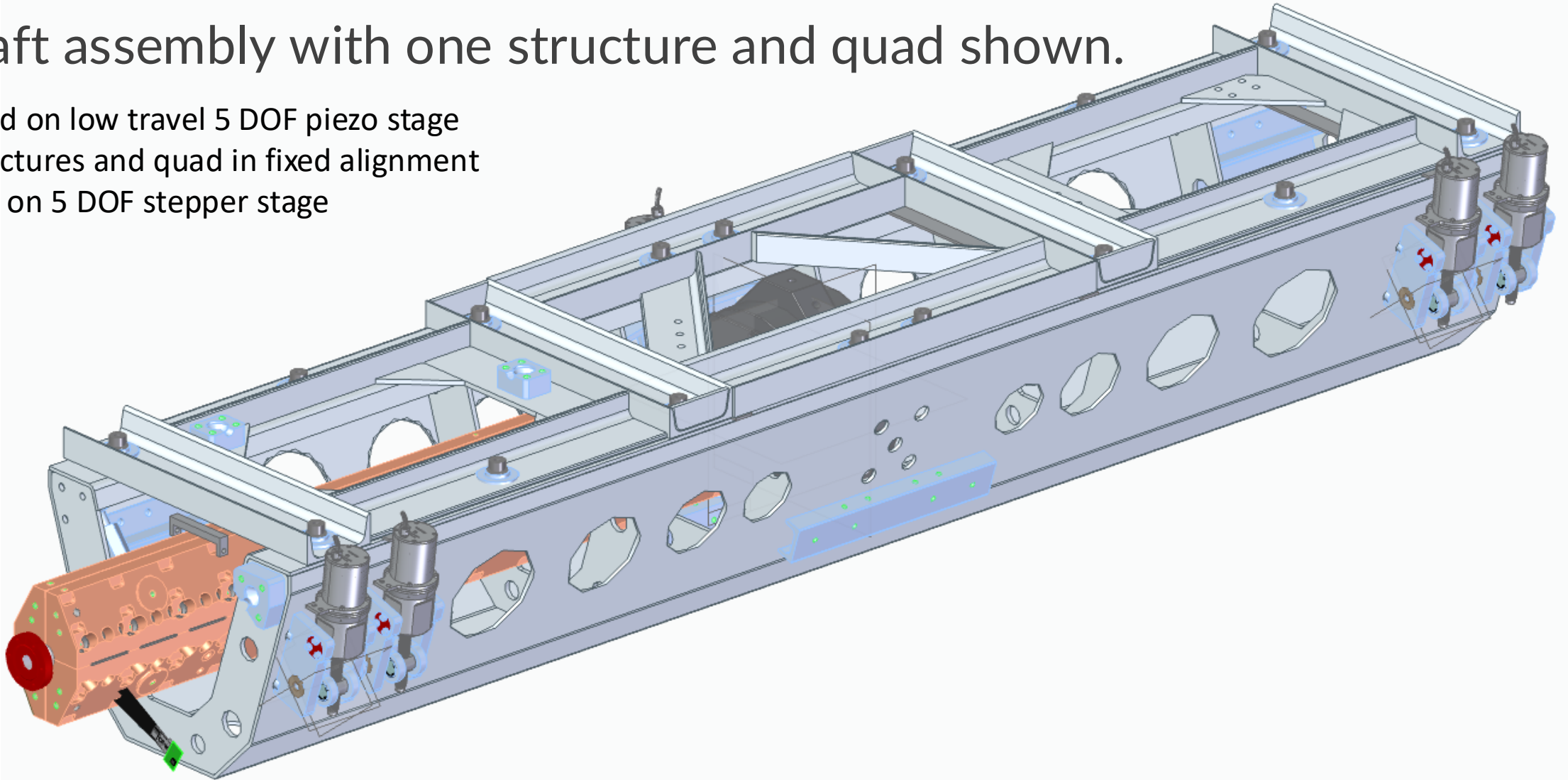
Additional features for optical/mechanical alignment



Assembled/Brazed Structure

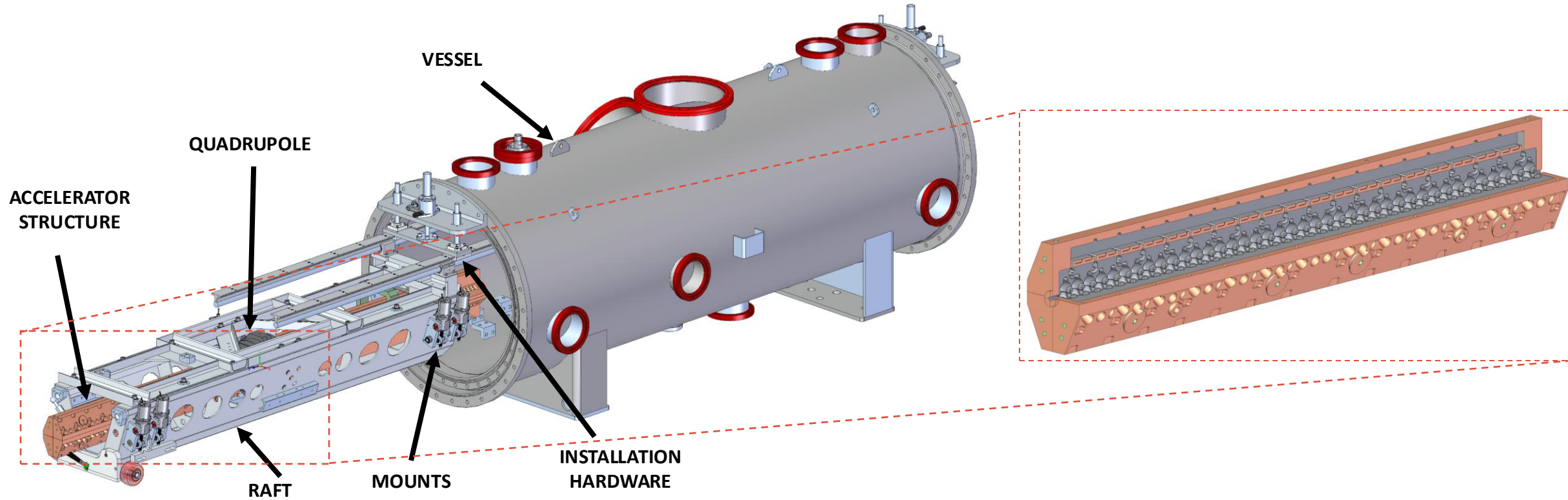
Raft assembly with one structure and quad shown.

Quad on low travel 5 DOF piezo stage
Structures and quad in fixed alignment
Raft on 5 DOF stepper stage



QCM Overview

- Loading system



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