

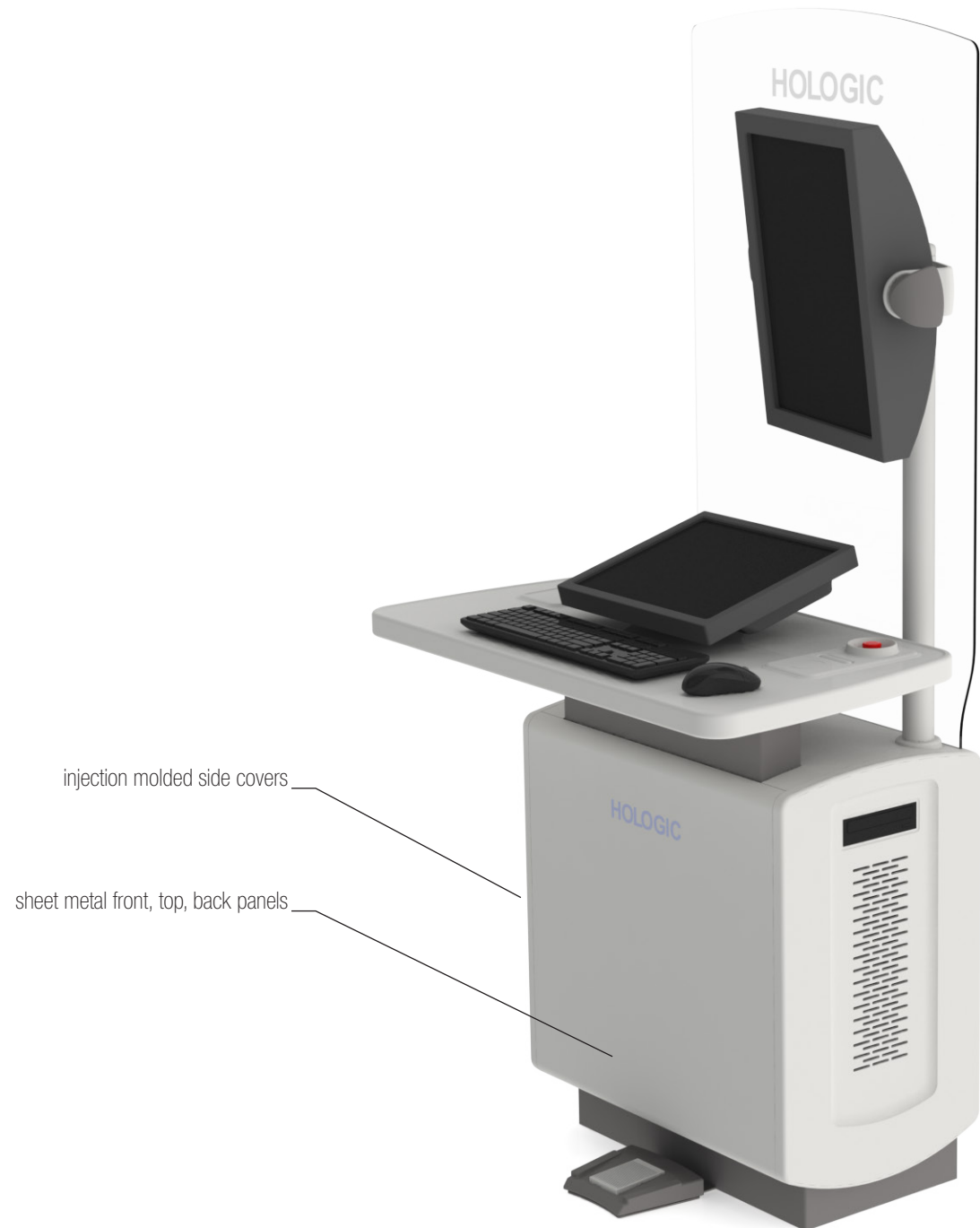
Low Cost AWS

Preliminary Concept Refinement - July 18, 2013

Concepts 7 and 8

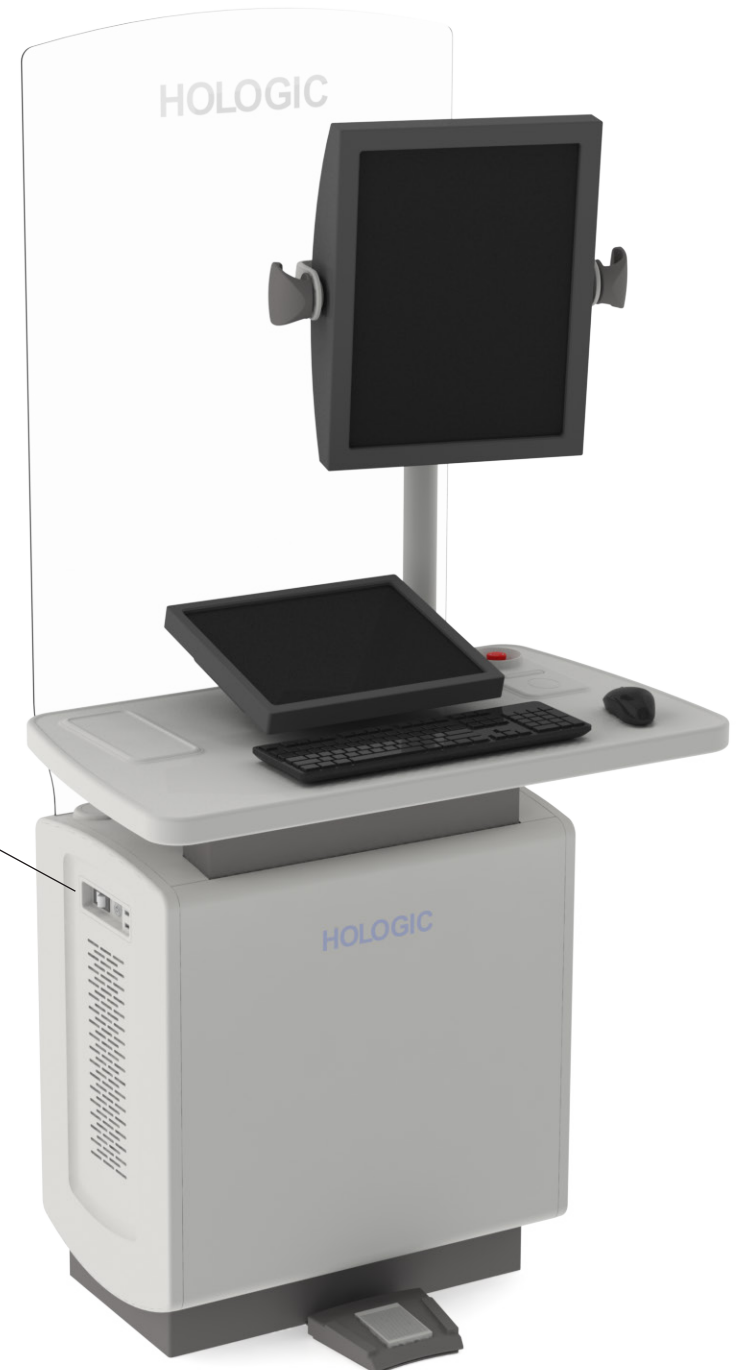
- Concept 7 and Concept 8 were chosen from the first preliminary concept presentation.
- Both concepts make use of the same type of construction:
 - two, straight pull, injection molded side covers (same part used on both sides)
 - simple sheet metal panels cover the rest of the AWS body
 - all covers mounted onto a structural, non-cosmetic, weldment
 - off the shelf foot switch assembly
 - custom lift mechanism (though off the shelf options are available)
- The surface can be either:
 - melamine-laminated particleboard with plastic t-mold edge banding or
 - machined Corian
- The concept shown both have Corian surfaces.
- The concepts shown suggest a general form direction and construction method. Other features and options (e.g. image monitor arm, keyboard drawer, mobile features, etc.) are still in development.

Concept 7



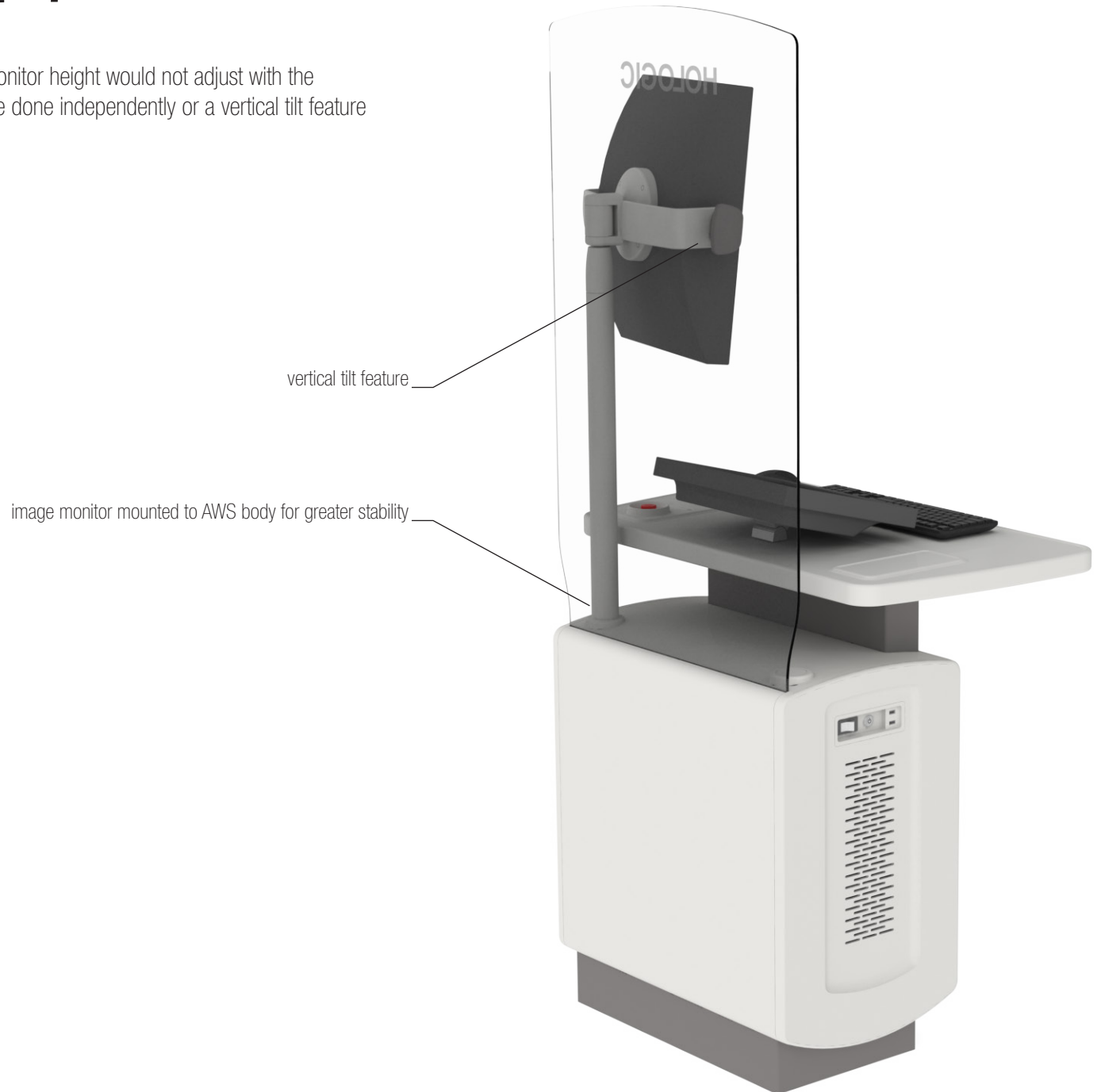
Concept 7

DVD drive opening (on non-DVD side) used for power switch assembly with USB connectors



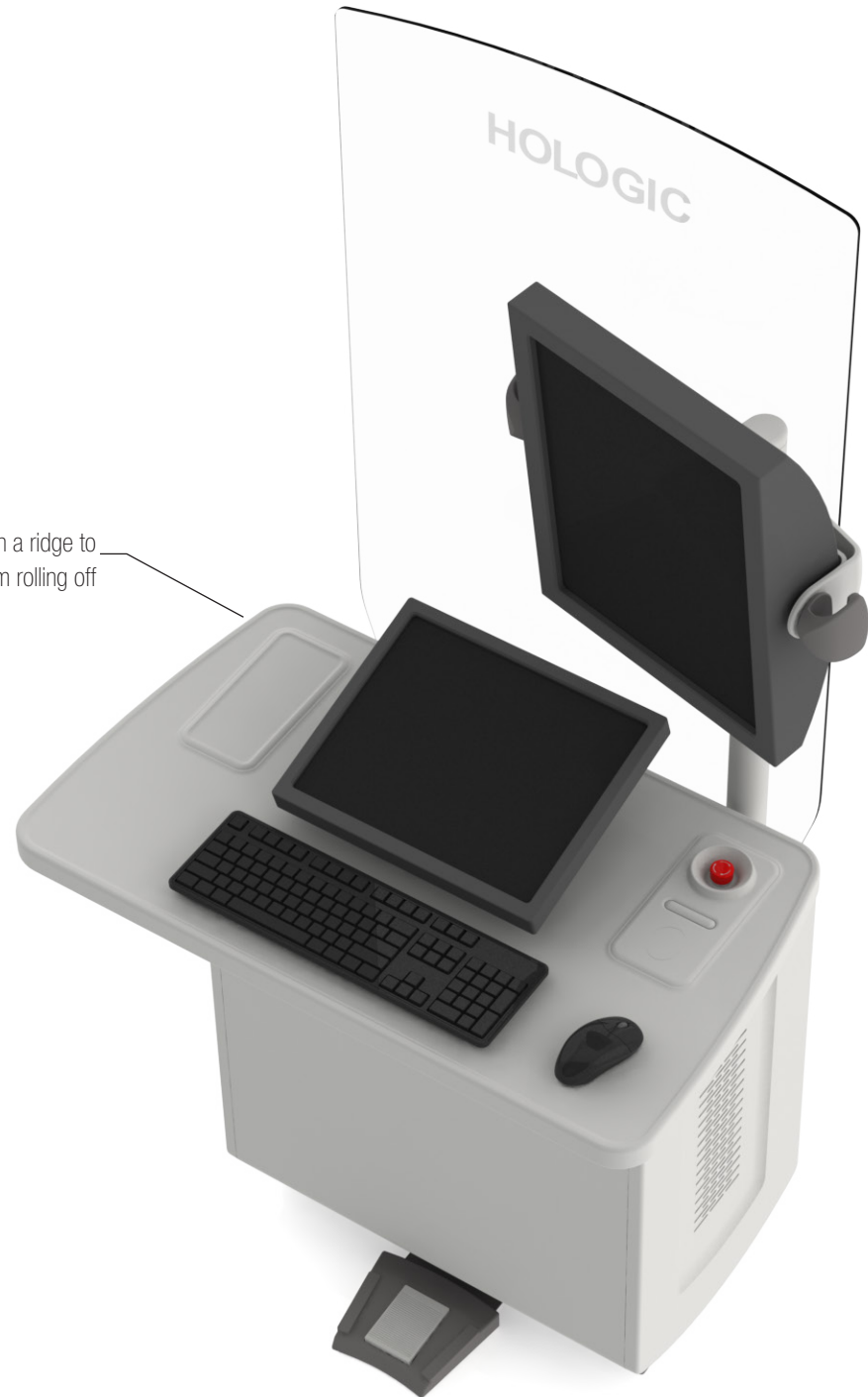
Concept 7

- Mounted on the AWS body, the image monitor height would not adjust with the surface. Monitor height adjustment can be done independently or a vertical tilt feature might be sufficient.



Concept 7

Corian surface can be machined with a ridge to keep objects from rolling off



Concept 8



off the shelf foot switch, custom shroud

Concept 8



Concept 8



same sheet metal panel used on front and back

Concept 8



Recommendation

- Though elements from either concept can be used, overall I recommend Concept 8:
 - It better fits the visual language of the existing gantry and proposed Aries biopsy bed.
 - All sheet metal panels are flat and therefore cheaper and simpler to manufacture.