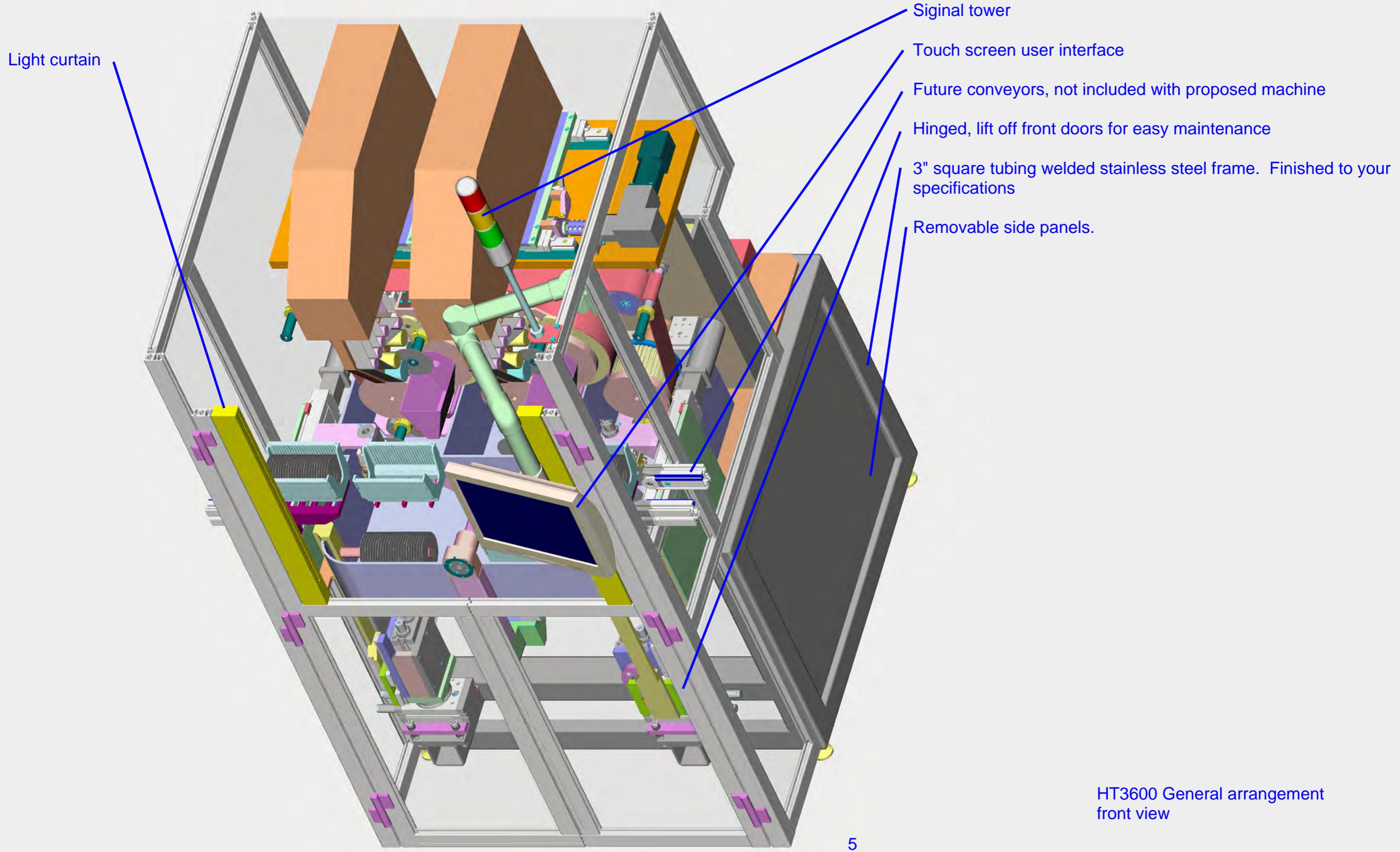


HT3600 Outline drawing



Light curtain

Signal tower

Touch screen user interface

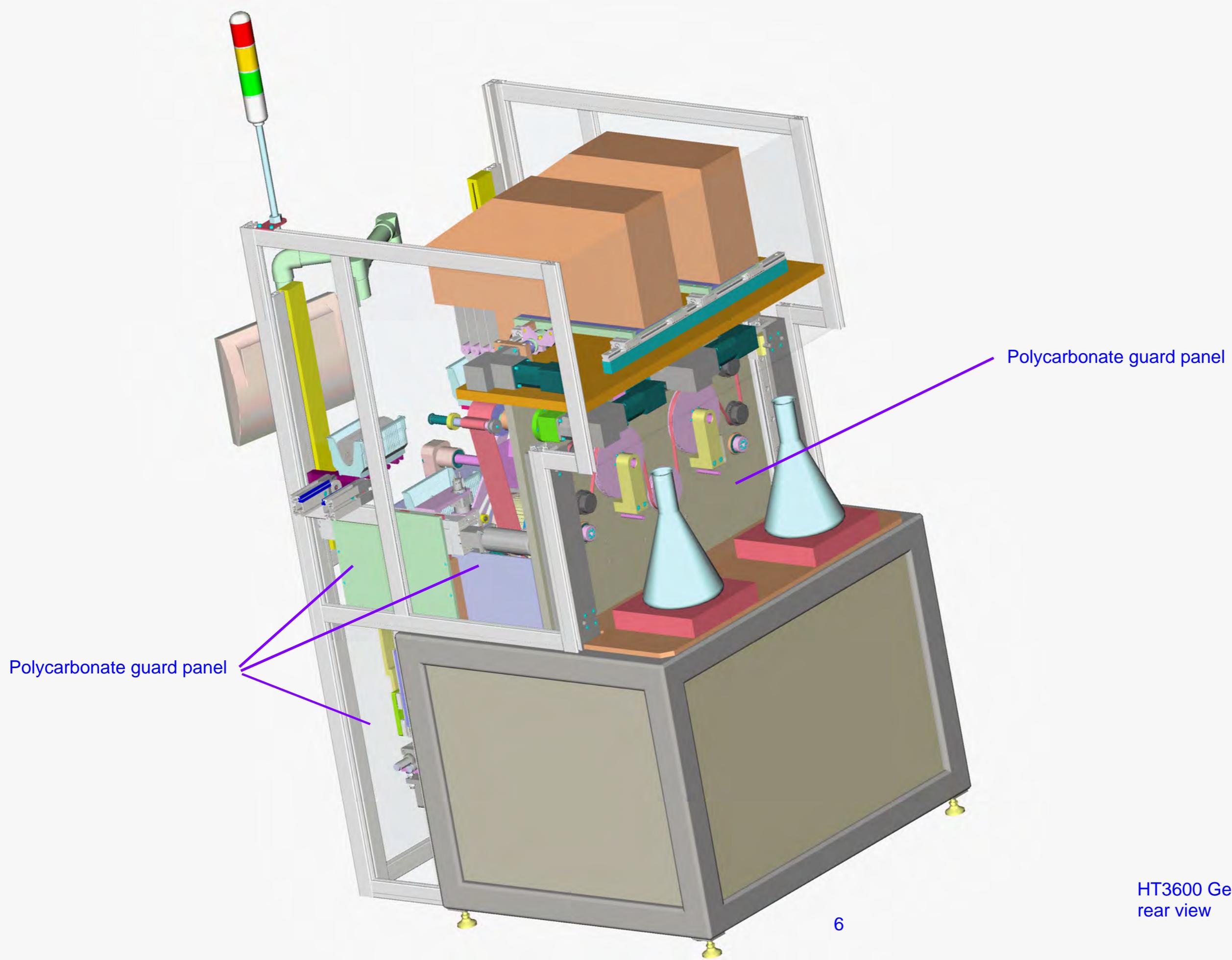
Future conveyors, not included with proposed machine

Hinged, lift off front doors for easy maintenance

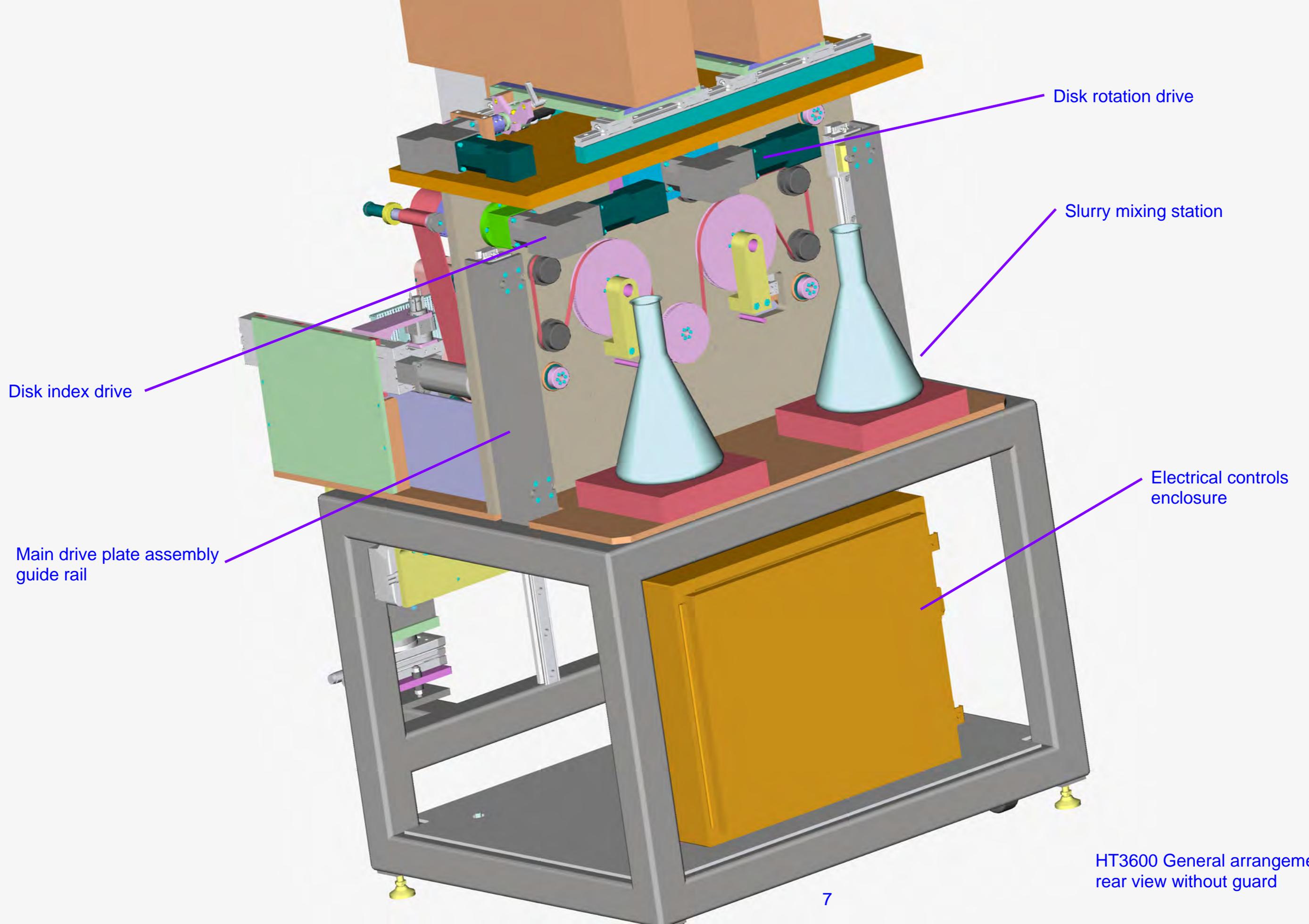
3" square tubing welded stainless steel frame. Finished to your specifications

Removable side panels.

HT3600 General arrangement front view



HT3600 General arrangement  
rear view



Disk rotation drive

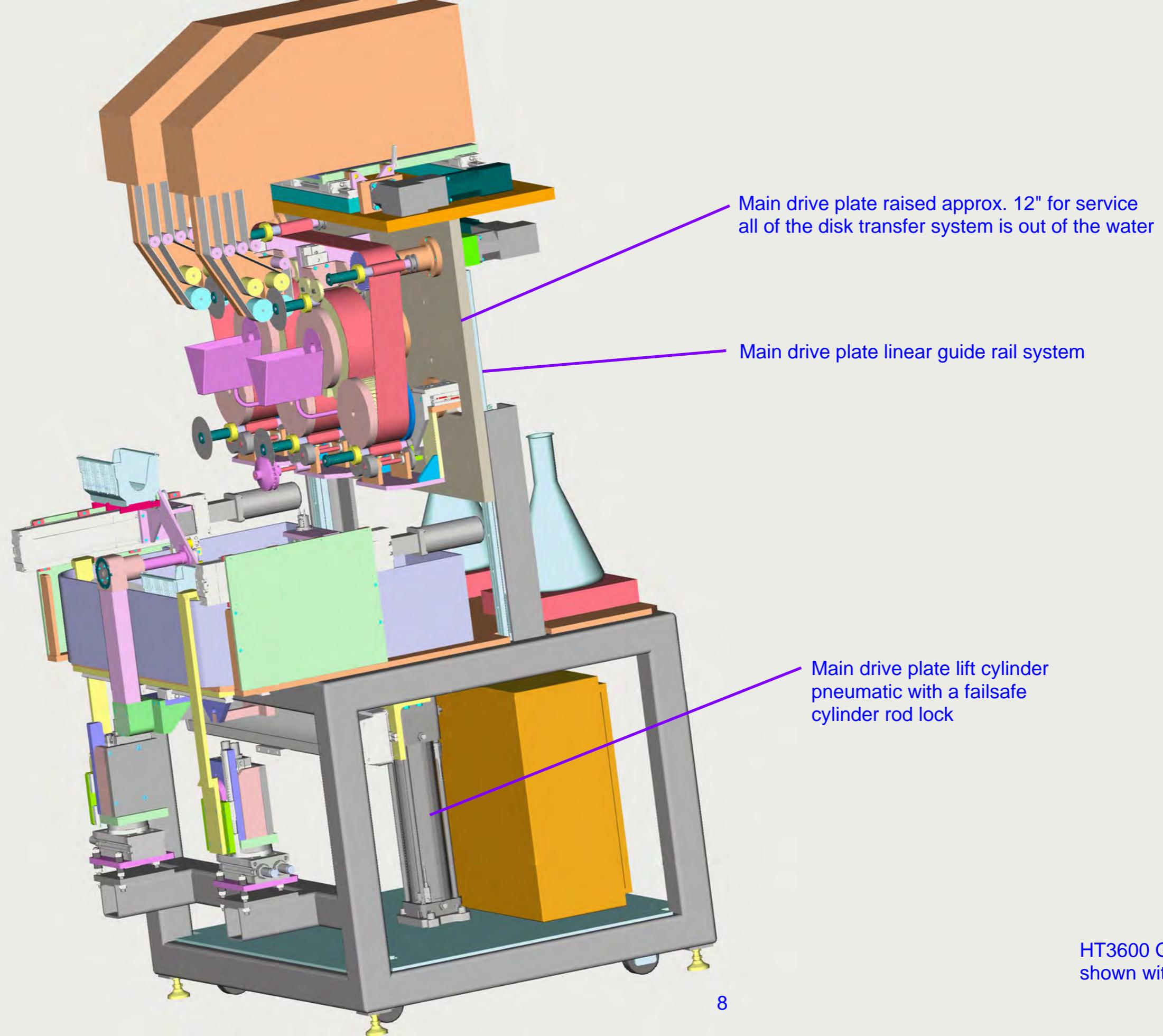
Slurry mixing station

Electrical controls enclosure

Disk index drive

Main drive plate assembly guide rail

HT3600 General arrangement rear view without guard



Main drive plate raised approx. 12" for service  
all of the disk transfer system is out of the water

Main drive plate linear guide rail system

Main drive plate lift cylinder  
pneumatic with a failsafe  
cylinder rod lock

HT3600 General arrangement  
shown without guard

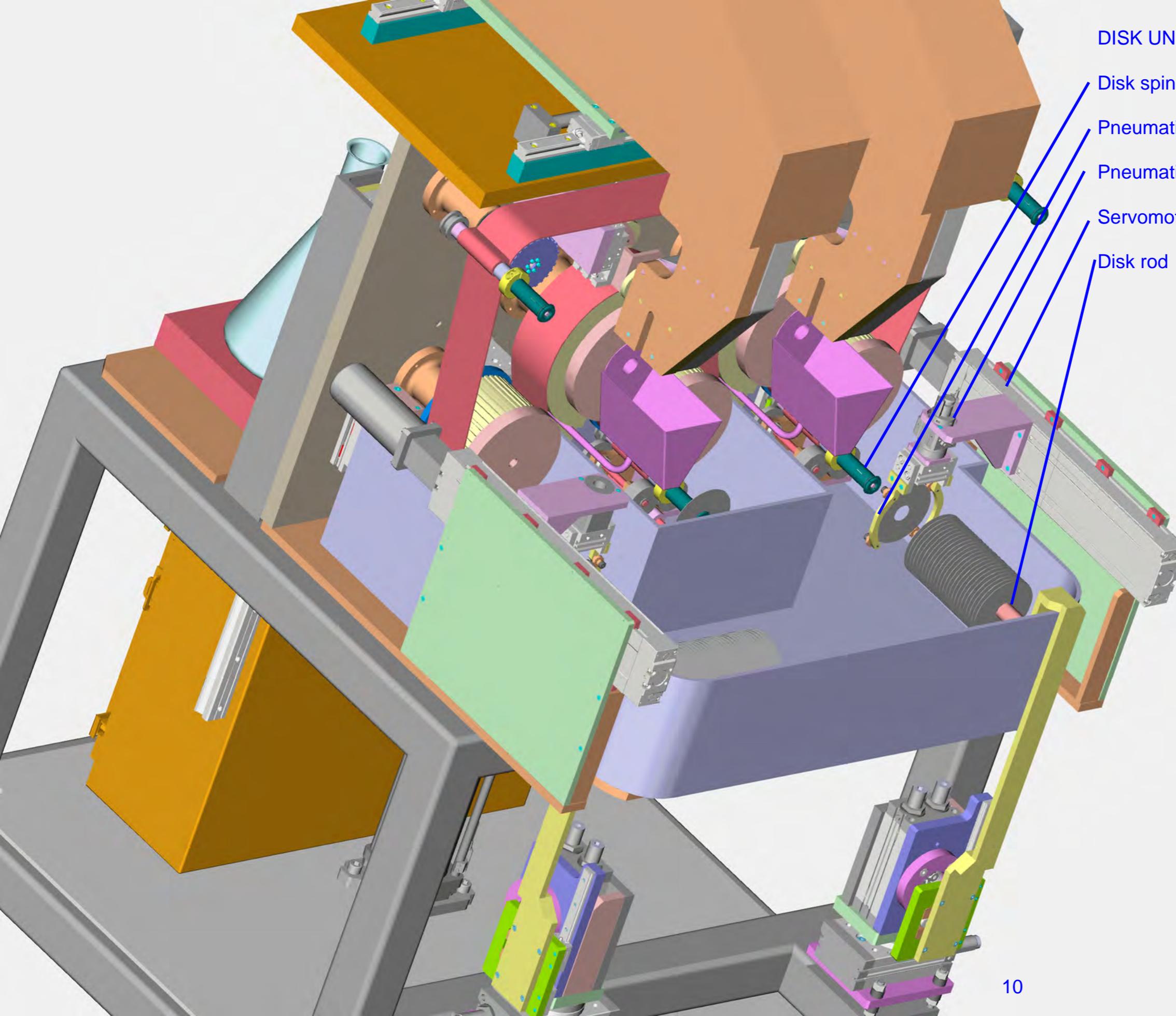
Fingers on the cassette robot mesh with the rods (or rollers) on the cassette platforms such that the cassettes can be picked up and placed on the platforms from below.

Load and unload cassette platforms. Attached to guard doors(not shown) and swing out of the way for easy access to the rest of the machine. Fixed rods would be replaced with motorized rollers when conveyors are added.

Cassette Robot.  
2 servomotor motions:  
horizontal left and right and  
rotary for vertical motion and for  
handling two cassettes at once

Disk rod (2 places)  
2 pneumatic motions:  
90 degree rotary motion and  
4.125" vertical motion. The vertical motion  
is done with a rotary actuator for fast and  
smooth motion

HT3600 Cassette handling details  
Shown without guarding or side  
panels



DISK UNLOAD STATION

Disk spindle

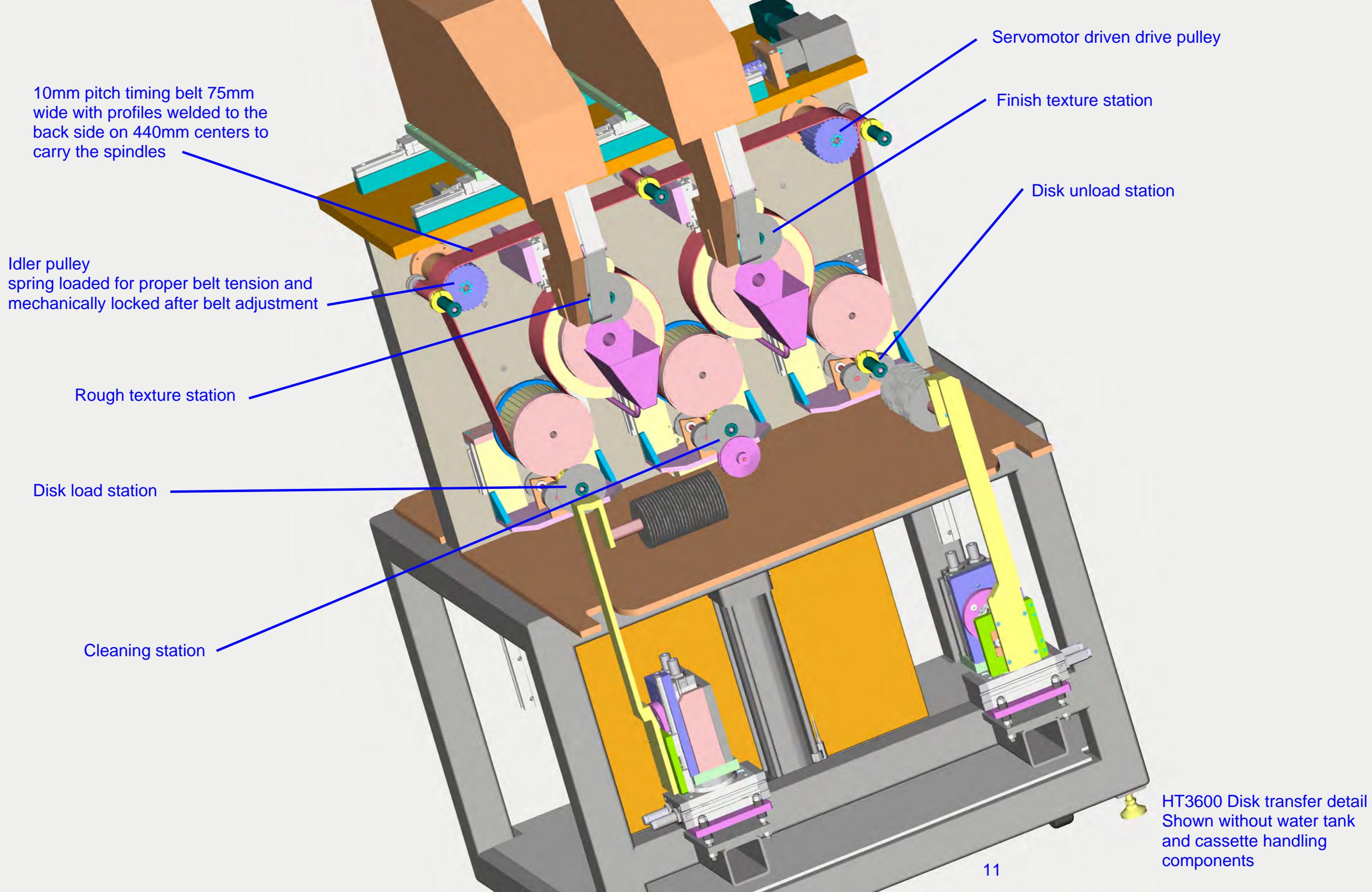
Pneumatic gripper

Pneumatic 180 degree rotary actuator

Servomotor driven linear actuator

Disk rod

HT3600 Disk unload details  
Shown without cassette robot or guarding



10mm pitch timing belt 75mm wide with profiles welded to the back side on 440mm centers to carry the spindles

Idler pulley spring loaded for proper belt tension and mechanically locked after belt adjustment

Rough texture station

Disk load station

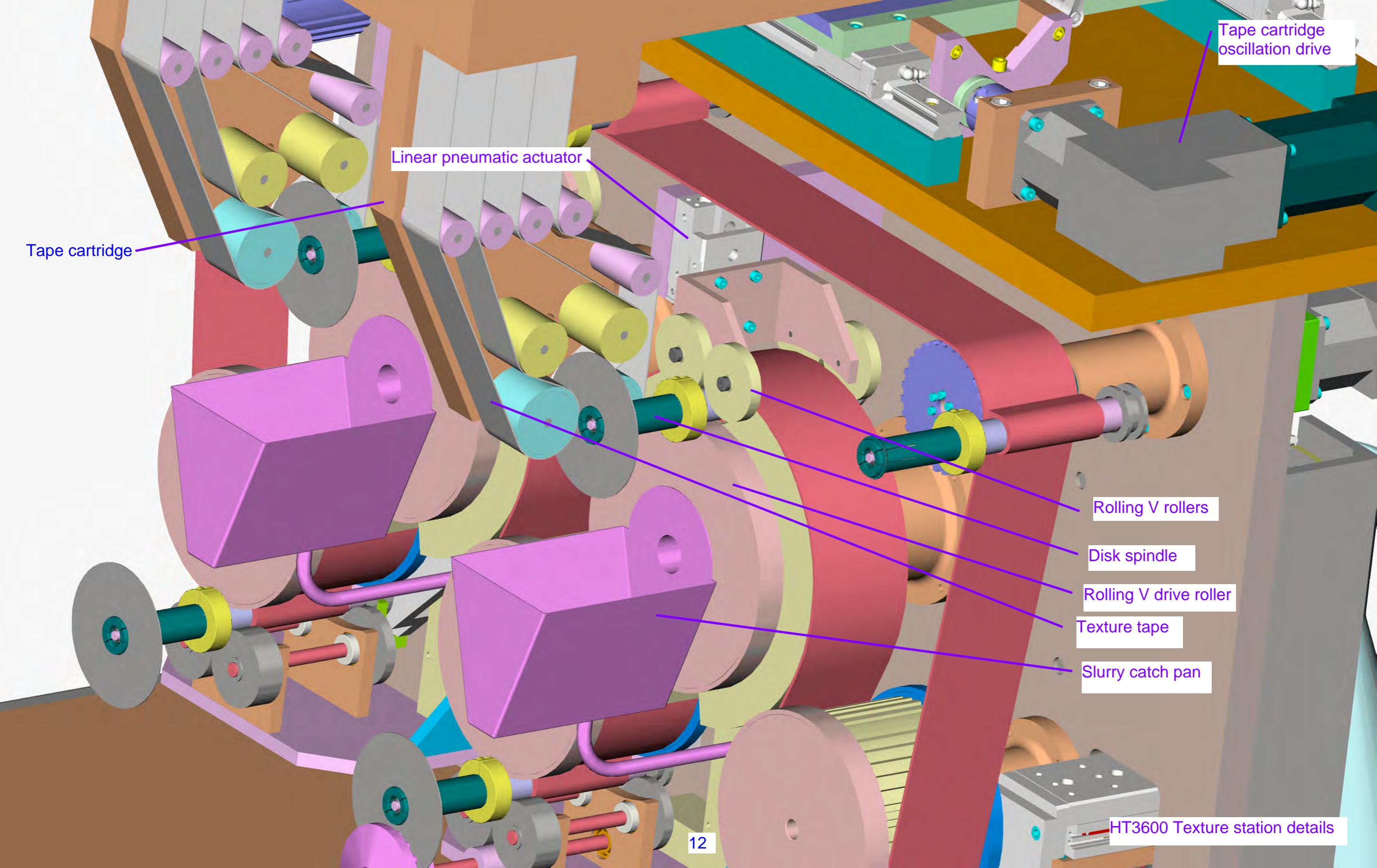
Cleaning station

Servomotor driven drive pulley

Finish texture station

Disk unload station

HT3600 Disk transfer detail  
Shown without water tank and cassette handling components



Tape cartridge oscillation drive

Linear pneumatic actuator

Tape cartridge

Rolling V rollers

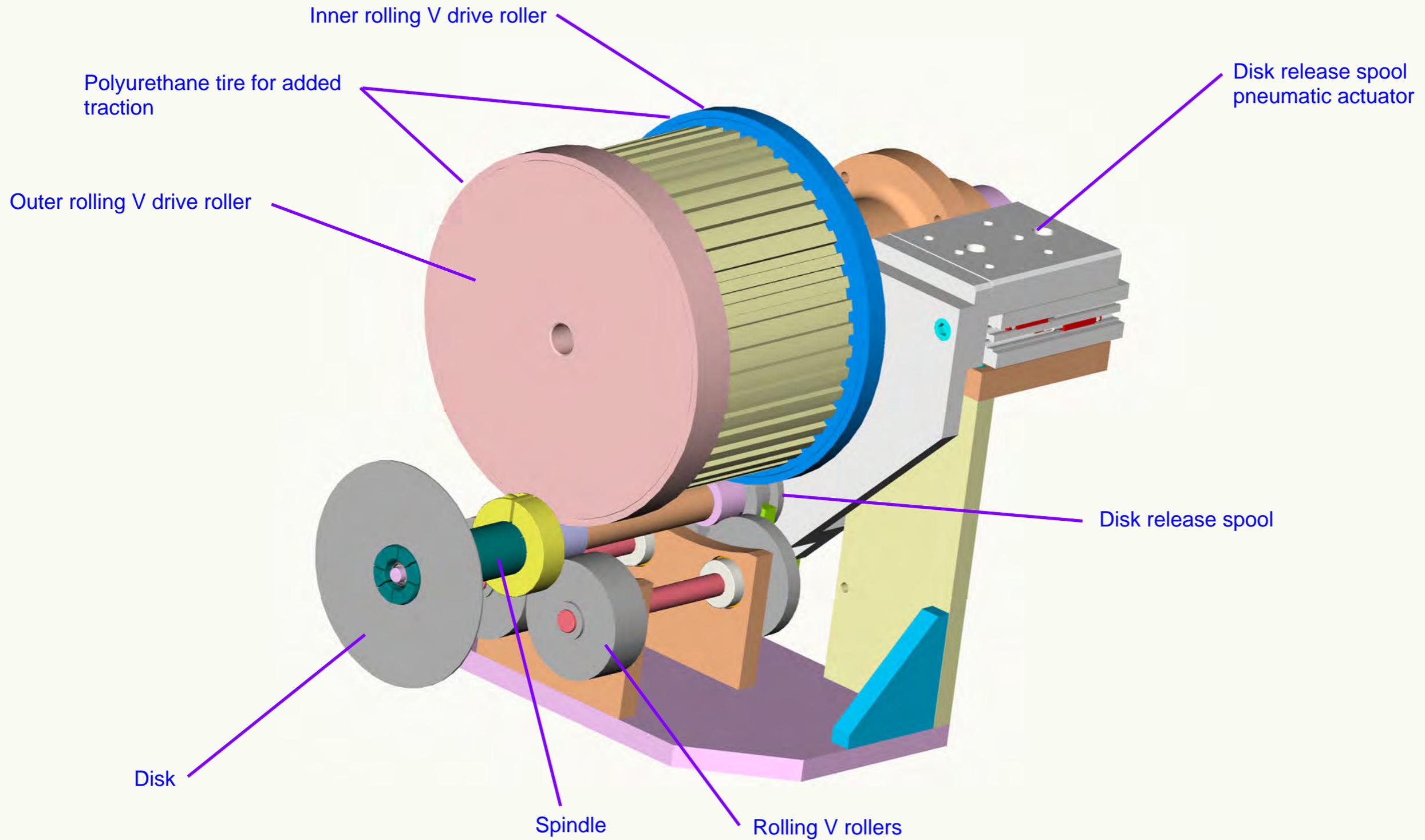
Disk spindle

Rolling V drive roller

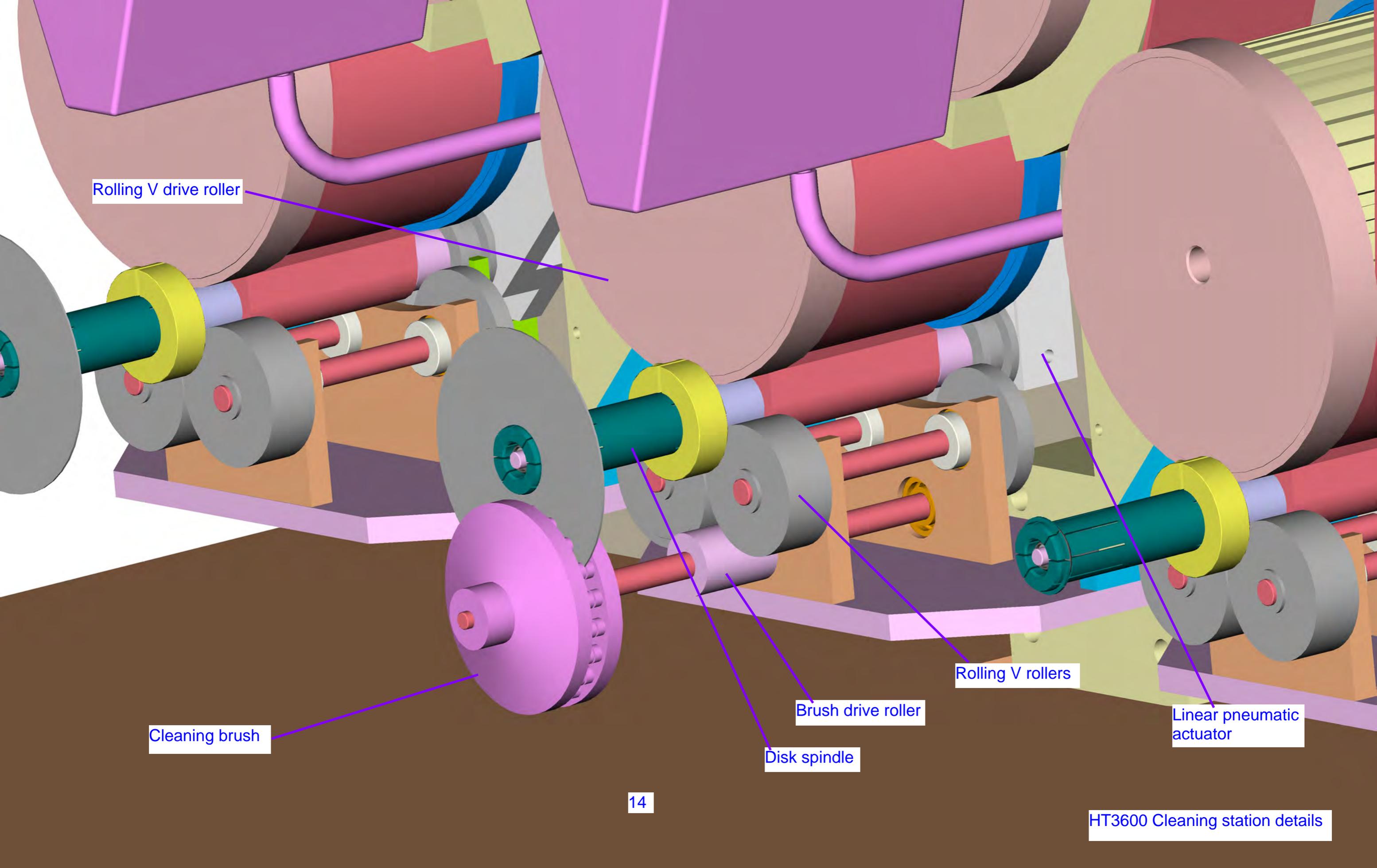
Texture tape

Slurry catch pan

HT3600 Texture station details



HT3600 Disk load station details  
shown without disk transfer timing belt



Rolling V drive roller

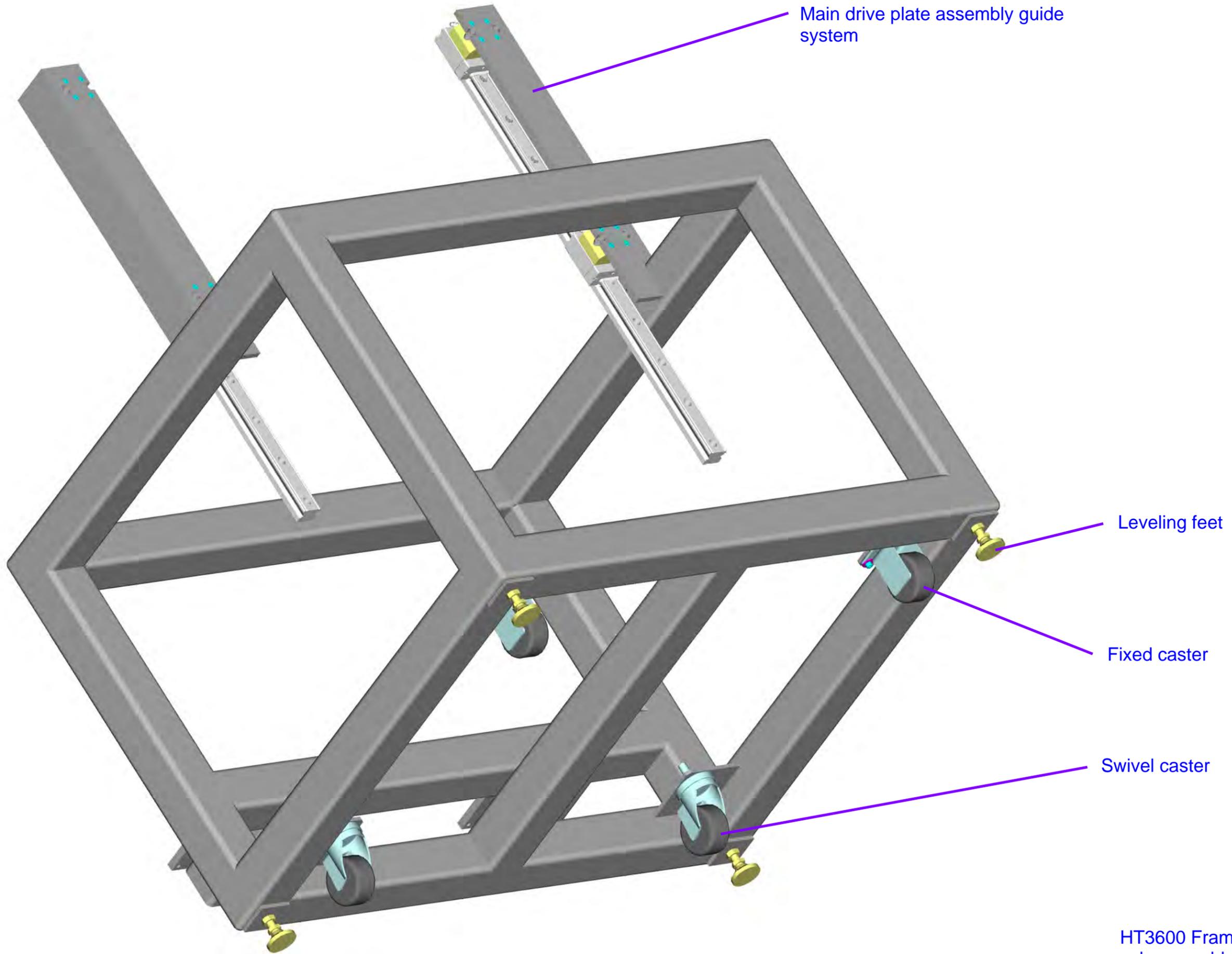
Rolling V rollers

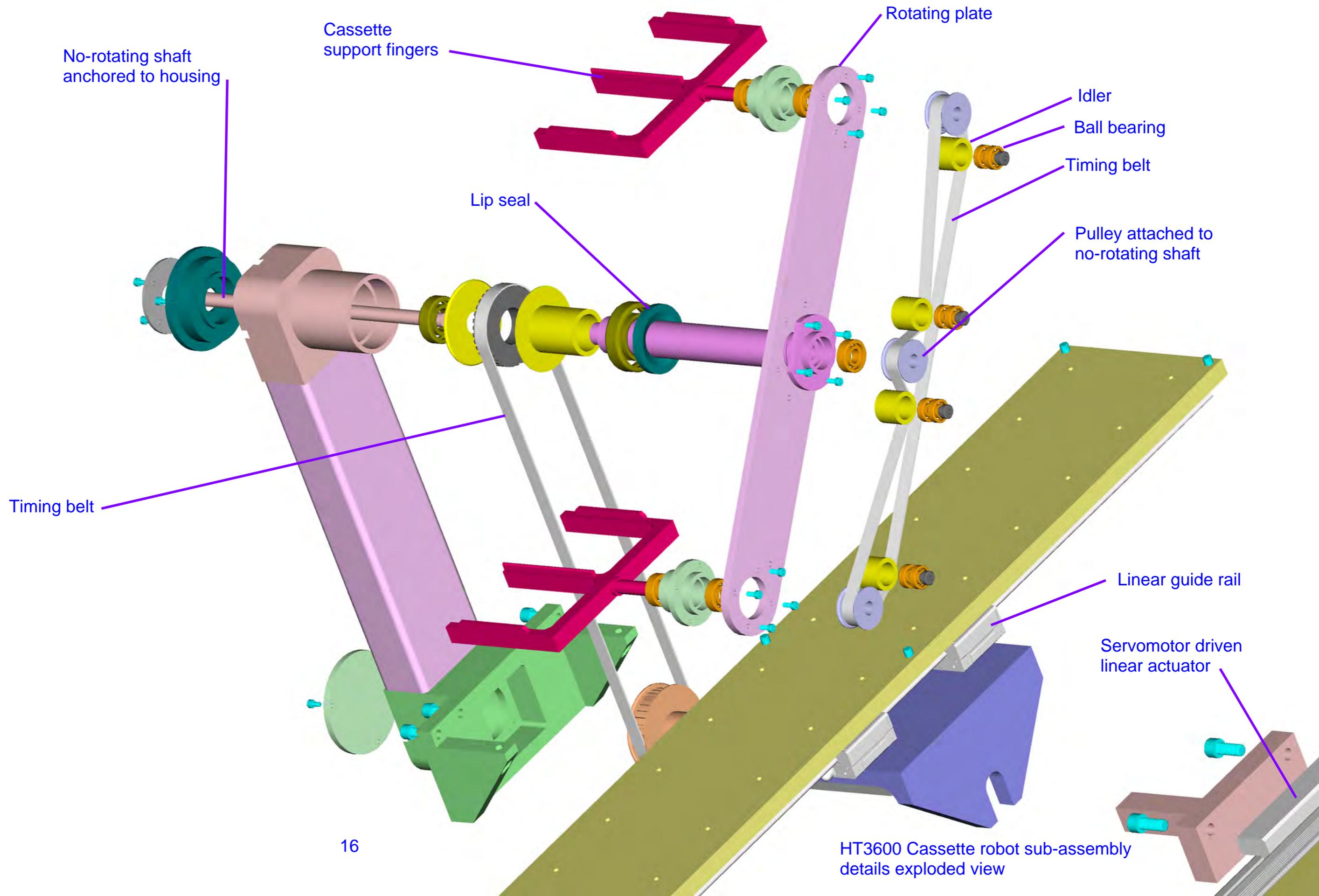
Cleaning brush

Disk spindle

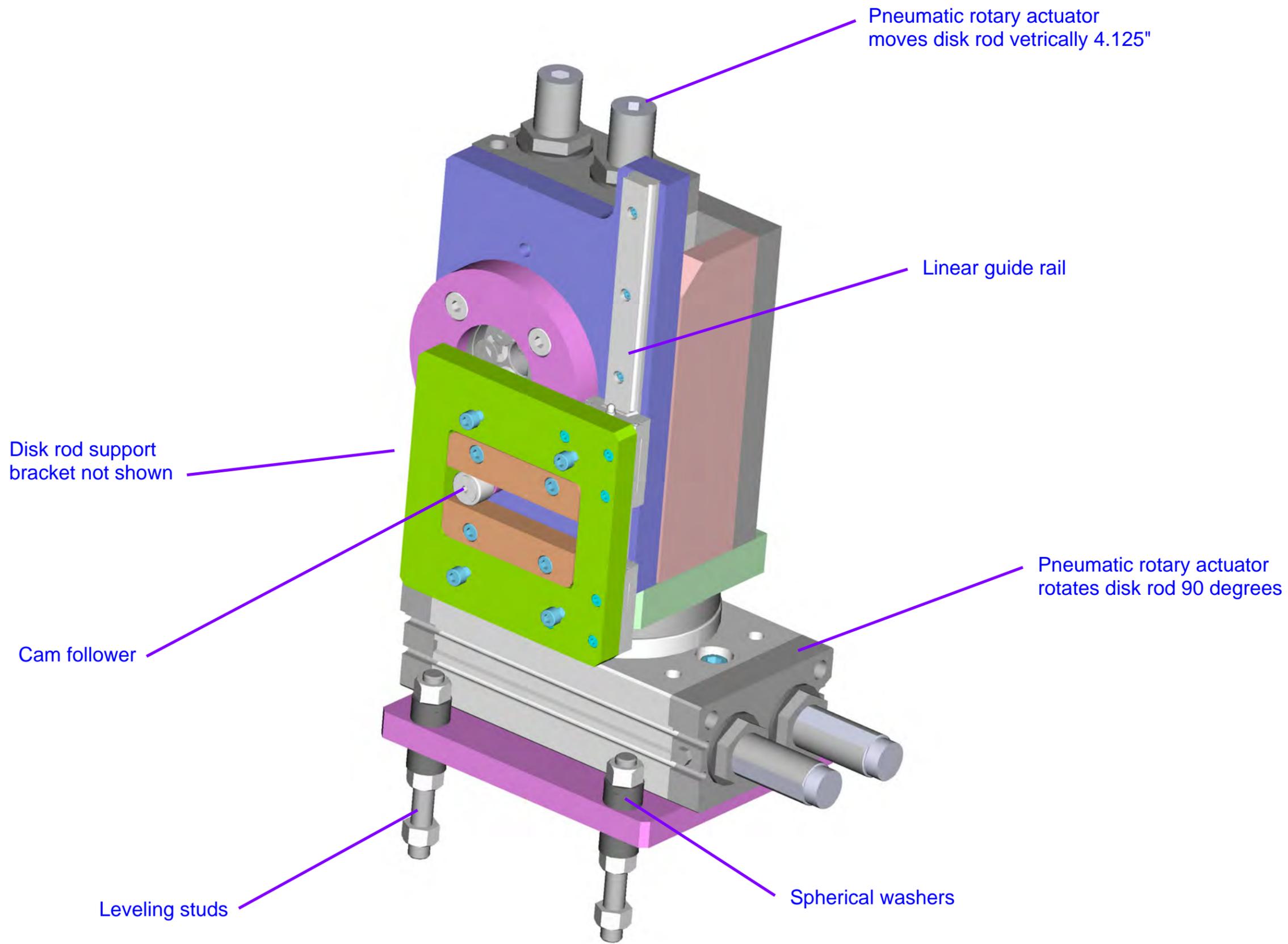
Brush drive roller

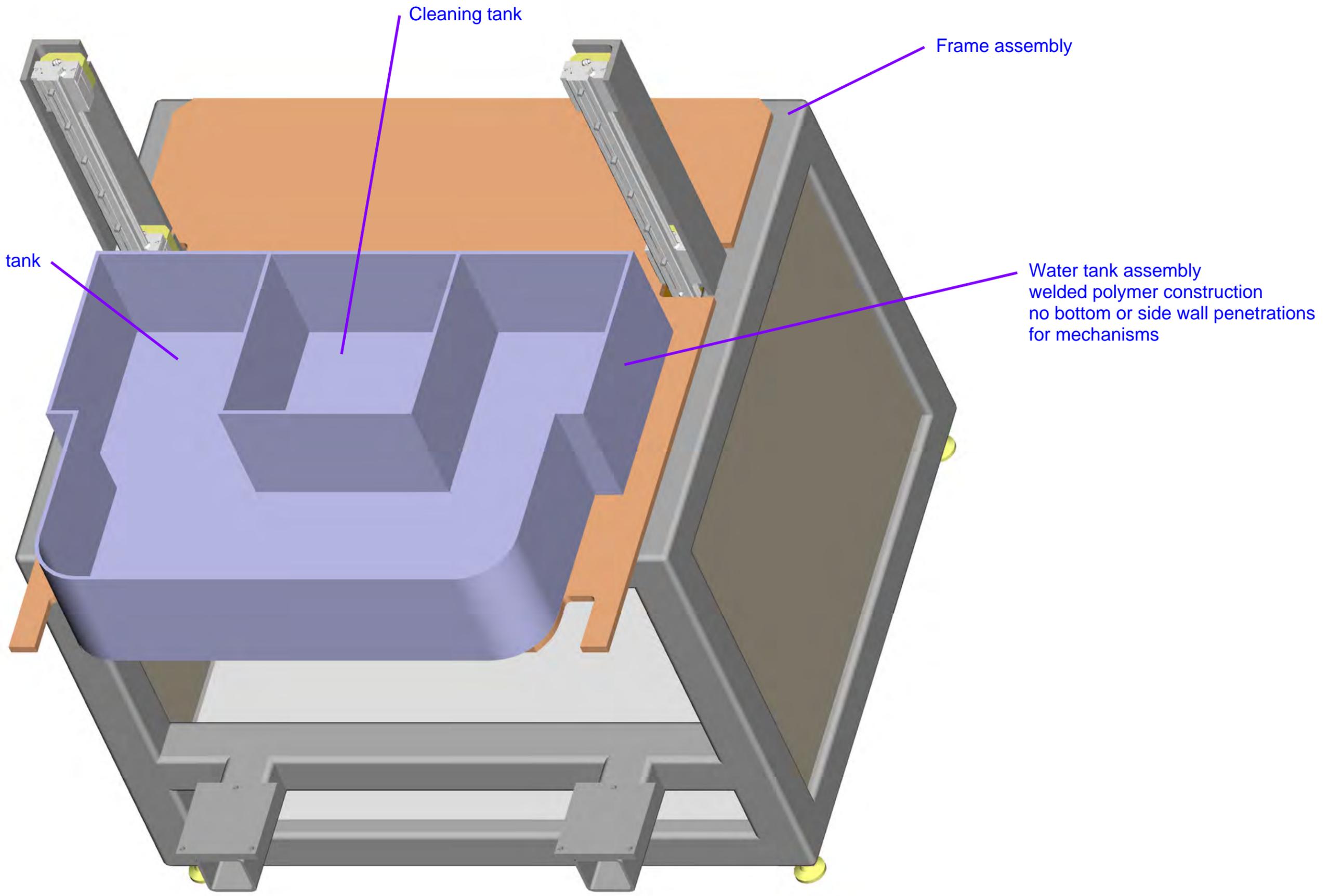
Linear pneumatic actuator





HT3600 Cassette robot sub-assembly details exploded view



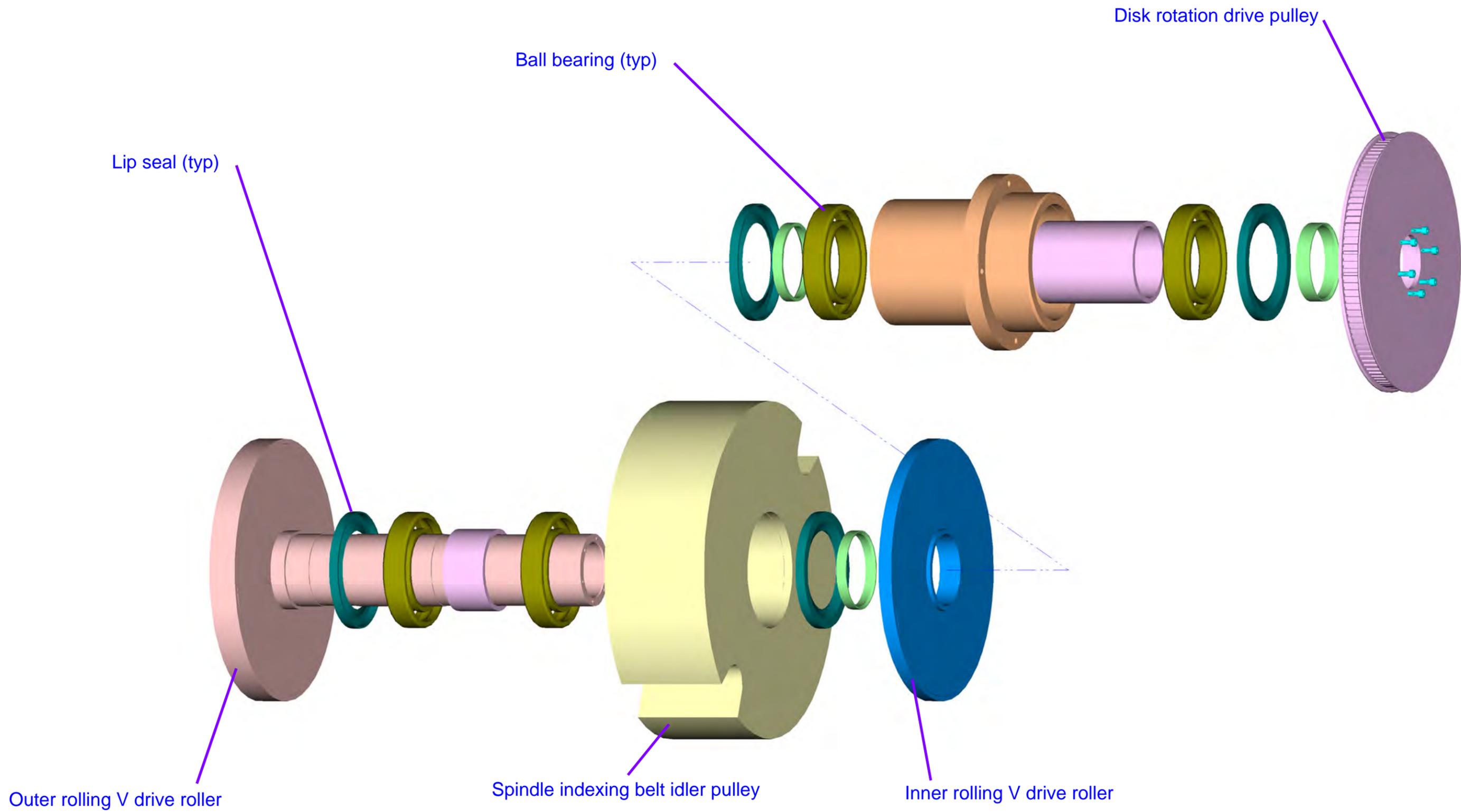


Cleaning tank

Frame assembly

Disk and cassette handling tank

Water tank assembly  
welded polymer construction  
no bottom or side wall penetrations  
for mechanisms



HT3600 Texture drive sub-assembly details exploded view

