[0147] Motors 544a, 544b are operatively coupled to a respective one of upper ring 488 and lower ring 464. More specifically, a belt 548 operatively couples motor 544a to lower ring 464, and a belt 550 operatively couples motor 544b to upper ring 488. Each of motors 544a, 544b includes a pulley 546 fixedly coupled to a motor shaft extending from a respective one of motors 544a, 544b. Thus, actuation of motors 544a, 544b results in the respective one of pulleys 546 rotating. Pulleys 546 include a plurality of engagement features 552, illustratively gear teeth, configured to engage a respective one of belts 548, 550. Similarly, engagement features 502 of upper ring 488 (see FIG. 63) and engagement features 482 of lower ring 464 (see FIG. 63) are configured to engage a respective one of belts 548, 550. Thus, motors 544a, 544b are drivingly coupled to a respective one of motors 544a, 544b. In the exemplary embodiment shown, belts 548, 550 comprise teethed timing belts. An advantage, among others, of teethed timing belts 548, 550 is that belts 548, 550 will not slip relative to pulleys 546. Instead, belts 548, 550 positively engage pulleys 546. It is contemplated, however, that belts 548, 550 could comprise a different type of belt.

[0148] The gear ratios therebetween and the size of motors 544a, 544b, pulleys 546, lower ring 464, and upper ring 488 may be adjusted depending upon, for example, the size of CNC machine 100 and the size of central opening 410 of dynamic coolant delivery system 400. For example, the size of lower ring 464 and upper ring 488 may be dependent upon at least one of the size of spindle head 120 and nozzle 510. The size of pulleys 546 may be selected to maximize the compactness of dynamic coolant delivery system 400 while providing adequate torque to rotate lower ring 464 and upper ring 488.

[0149] Referring now to FIG. 64, actuation of motor 544a in a direction 554 results in lower ring 464 rotating about platform axis 508 in direction 554. Similarly, actuation of motor ~~544b~~ 544a in an opposite direction 556 results in lower ring 464 rotating about platform axis 508 in direction 556. When lower ring 464 rotates about platform axis 508 in either of directions 554, 556, platform 456 and nozzle 510 rotate about platform axis 508 in the same direction. Thus, motor 544a controls a rotational position of platform 456 and nozzle 510 relative to platform axis 508.

[0150] In the exemplary embodiment shown, actuation of motor 544b in direction 554 results in upper ring 488 rotating about platform axis 508 in direction 554. Similarly, actuation of motor 544b in opposite direction 556 results in upper ring 488 rotating about platform axis 508