CLAIMS:

1. A tubular handling system comprising:

a bridge disposed in a horizontal orientation above a horizontal storage area;

a tubular lift system that transports a tubular in a horizontal orientation between the horizontal storage area and an intermediate storage location when the tubular lift system engages the tubular; and

a pipe handler with a body that is moveably coupled to the bridge, wherein the pipe handler transports the tubular between the intermediate storage location and a rig floor when the pipe handler engages the tubular, wherein the pipe handler comprises an arm rotationally coupled to the body and one or more grippers rotationally coupled to the arm, wherein the one or more grippers selectively engage the tubular, and wherein the arm rotates greater than 95 degrees relative to the body when the one or more grippers engage the tubular and transport the tubular between the intermediate storage location and the rig floor.

2. The system of claim 1, wherein the bridge comprises first and second bridge rails with a space between.

3. The system of claim 2, wherein the pipe handler transports the tubular through the space while the tubular is being transported along the bridge.

4. The system of claim 1, wherein the intermediate storage location comprises a longitudinal groove, and wherein the tubular lift system delivers the tubular to or receives the tubular from the longitudinal groove.

5. The system of claim 4, wherein the tubular has an overall length measured from one end of the tubular to an opposite end of the tubular, wherein the longitudinal groove extends a length greater than the overall length of the tubular, and wherein the pipe handler is further configured to engage the tubular in the longitudinal groove and lift the tubular from the longitudinal groove, or deliver the tubular to the longitudinal groove and disengage from the tubular.

6. The system of claim 1, wherein the tubular lift system comprises a front lift system and a rear lift system, wherein the front lift system transports a first plurality of tubulars in a horizontal orientation between a first portion of the horizontal storage area and the intermediate storage location when the first plurality of tubulars is engaged with front lift actuators, and wherein the rear lift system is configured to transport a second plurality of tubulars in a horizontal orientation

between a second portion of the horizontal storage area and the intermediate storage location when the second plurality of tubulars is engaged with rear lift actuators.

7. The system of claim 6, wherein the front lift system delivers one of the first plurality of tubulars into a longitudinal groove of the intermediate storage location from a first side of the intermediate storage location, and wherein the rear lift system delivers one of the second plurality of tubulars into the longitudinal groove from a second side of the intermediate storage location.

8. The system of claim 1, wherein the one or more grippers spin the tubular when the tubular is connected to a tubular string at a well center or when the tubular is disconnected from the tubular string at the well center.

9. The system of claim 8, wherein the pipe handler:

lifts the tubular from the intermediate storage location, rotates the tubular from the horizontal orientation to a vertical orientation, and delivers the tubular to the well center on the rig floor in the vertical orientation; or

rotates the tubular from the vertical orientation at the well center to the horizontal orientation and delivers the tubular to the intermediate storage location in the horizontal orientation.

10. A method of handling tubulars, the method comprising:

lifting a tubular, via a vertically oriented tubular lift system, from a horizontal storage area to an intermediate storage location while maintaining the tubular in a horizontal orientation;

engaging the tubular at the intermediate storage location with a pipe handler;

transporting the tubular, via the pipe handler, along a bridge to a rig floor;

rotating the tubular, via the pipe handler, from the horizontal orientation to a vertical orientation;

selectively extending and retracting an end of the tubular, via the pipe handler, into and out of a doping device; and

presenting, via the pipe handler, the tubular in the vertical orientation to a well center.

11. The method of claim 10, wherein the bridge comprises a first bridge rail and a second bridge rail, and wherein the rotating of the tubular further comprises moving the tubular through a space between the first and second bridge rails of the bridge.

12. The method of claim 11, further comprising translating of the pipe handler along the bridge while manipulating the tubular through the space.

13. The method of claim 10, wherein the vertically oriented tubular lift system comprises first and second actuators, wherein lifting the tubular further comprises engaging the tubular with the first and second actuators of the vertically oriented tubular lift system and vertically raising the tubular, via the first and second actuators, toward the intermediate storage location.

14. The method of claim 13, further comprising releasing the tubular, via the first and second actuators, from the vertically oriented tubular lift system into a longitudinal groove in the intermediate storage location.

15. A method of handling tubulars, the method comprising:

retrieving, via a pipe handler, a tubular in a vertical orientation from a rig floor;

selectively extending and retracting an end of the tubular, via the pipe handler, into and out of a doping device;

transporting the tubular, via the pipe handler, from the rig floor along a bridge;

rotating the tubular, via the pipe handler, from the vertical orientation to a horizontal orientation;

depositing the tubular, via the pipe handler, into an intermediate storage location; and

lowering the tubular, via a vertically oriented tubular lift system, from the intermediate storage location to a horizontal storage area while maintaining the tubular in the horizontal orientation.