4. The seal material handling monitoring device according to claim 3, further comprising:

a second sensor that detects parallelism between flanges of the flange joint,

wherein the information generation unit generates parallelism information by means of a sensor output from the second sensor, and the monitor presents a third distribution map representing parallelism between the flanges.

5. The seal material handling monitoring device according to claim 3, wherein the information generation unit also refers to a tightening torque which is calculated by means of dimension information for the flanges of the flange joint and the bolts, determines, for each bolt, whether a tightening force for the seal material has reached a target tightening force configured for each seal material, and presents determination results to the monitor.

6. The seal material handling monitoring device according to claim 3, wherein, by changing a position or an angle of a seal handling unit that includes the flange joint or by changing a position or an angle of the flange joint, a work environment can be simulated.

7. A seal material handling monitoring program for causing a computer to implement a function to:

generate a plurality of coordinates that extend radially from a center point, display target axial forces of bolts or detected axial forces of the bolts, via each of the coordinates, as a distance from the center point, and generate a first distribution map from the target axial forces or a second distribution map from the detected axial forces, at the coordinates, by linking between the target axial forces or the detected axial forces at adjacent coordinates.

8. The seal material handling monitoring program according to claim 7, for further causing the computer to implement a function to display the first distribution map and the second

distribution map such that the first and second distribution maps are superposed via common coordinates.

9. A seal material handling monitoring program for causing a computer to implement a function to:

receive a sensor output from a plurality of first sensors that detect an axial force of each bolt,

generate distribution information of a target axial force by means of the target axial force and position information for the axial force, and generate distribution information of the axial force by means of the axial force and position information; and

present a first distribution map representing the target axial force and present a second distribution map representing the axial force, via coordinates.

10. The seal material handling monitoring program according to claim 9, for further causing the computer to implement a function to:

receive a sensor output from a second sensor that detects parallelism between flanges of a flange joint,

generate parallelism information by means of the sensor output from the second sensor, and

present a third distribution map representing the parallelism between the flanges.

11. The seal material handling monitoring program according to claim 9, for further causing the computer to implement a function to:

configure a target tightening force for each seal material, determine, for each bolt, whether a tightening force for the seal material has reached the target tightening force, and

present the determination results via the monitor.

12. The seal material handling monitoring program according to claim 9, for further causing the computer to implement a function to: determine a tightening procedure for each bolt,