

Flexible Coil Handling System



APPLICATION:

An Airfloat customer needed a solution to his problem of waiting for new coils during production, which created long periods of press down time for one furniture manufacturer. Originally, forklifts delivered the new coils, but this procedure caused delays since the forklifts serviced other areas within the plant. The delays made efficient coordination difficult and time consuming. Coil damage was another factor for change.

SOLUTION:

The designing and installation of a coil handling system included removing the infloor coil-car and filling the hole, sealing the floor to accommodate air bearing technology, and placing coils on separate movable coil pallets. The coil pallets could then be pre-staged with coils ahead of time and a sufficient number of coils could be stored adjacent to the press. Also, this system incorporated a hydraulic scissors lift with air bearings and one drive tractor. This allowed the lift table to be moved under the coil pallet.

BENEFITS:

- The coil pallet system increased productivity through reduced down time.
- The system accommodates any size of coil handled during press operations.
- Allows the press operator to remove coils from the uncoiler if the entire coil is not needed