

Linefeed Shuttle for Robot Cell

**APPLICATION:**

An Airfloat customer needed a space saving device that could gently deliver plate glass at an exact location for Robot interface.

SOLUTION:

Airfloat designed and manufactured a two position shuttle system to supply robot operated stations with 42" by 72" plate glass. The 48" by 230" table is equipped with an air motor that supplies air to the shuttle's air bearings through a self-storing hose with an on/off valve. The 154" long shuttle operates by moving sideways to supply one robot operated station with 6,000 lbs of plate glass while the other end is loaded by a fork truck. When the loaded side is empty, the shuttle moves sideways to supply the other operated station with the materials that were just loaded. At this time the now empty end can be loaded.

BENEFITS:

- Enables robot to work continuously and not shut down while awaiting fork truck
- Reliable pneumatic system for easy installation
- Can be easily interfaced with robot controller