

ISOLA LAMINATE SYSTEMS

Fremont, California, USA

Isola Laminate Systems prides itself as one of the world leaders in printed circuit board laminate manufacturing. Here, ITOH DENKI confronted a challenge in high capacity use

PROJECT DETAILS

Isola's difficulty was to move 54" x 62" (1372mm x 1575mm) stacks of fiberglass and copper sheets on a polypropylene slip sheet weighing up to 2000 lbs(908kg)., in a clean room environment, where space limitations were present. This was accomplished by utilizing ITOH DENKI's 24VDC motorized roller PM486FS series "Power Moller 24" in a parallel configuration, where instead of having one wide conveyor, two narrow conveyors were used side by side. This allowed the weight of the product to be distributed more effectively on two short motorized rollers instead of one lengthy motorized roller. Also, the Power Moller 24 proved ideal because of its low profile and control functions.

In this system, hundreds of ITOH DENKI's model PM486FS-8-368-D-024 and PM486FS-8-622-D-024 with straight tube and CB-002 driver cards were employed on scissor table and assembly conveyors. Depending on the location, 6-8 units of Power Moller 24 provided more than enough torque to move the load.

CHALLENGE

- Moving large and heavy items in a limited space
- High capacity environment

SOLUTION

- Hundreds of Itoh Denki PM486FS MDRs configured side-by-side
- CB-002 Driver Cards

