

**SOLUTECH PACKAGING SYSTEMS INC.
MANUFACTURER OF PALLETIZERS TO
INCREASE PRODUCTIVITY WITH
LIMITED FLOOR SPACE.**

**AUTOMATION OF REPETITIVE TASKS
EQUALS SAVINGS !!**

To save on floor space and to limit the moving parts, Solutech designed a Multi-tasking tool. The tool performs the following tasks :

- Pallet picking from a rack
- Slip sheet picking from a second rack
- Push-pull sheet picking (for train loading)
- 50 lbs bag placement
- 100 lbs bag placement

Fewer moving parts means easier maintenance

Safety : The robot cell is totally protected with safety fencing and light curtains.



The work of manually palletizing 50 lb. and 100 lb. bags was previously done by 4 operators over 2 shifts-difficult jobs in a tight labor market. Increased production demands called for a better solution. Solutech gathered the data, custom- designed a robotic palletizing solution, laid out the floor plan out at the customer's facility and provided a real time simulation. Showing the simulation before actually making the project for the customer provided an increased comfort level.

Now, bags arrive from two locations on the main conveyor and a bag kicker pushes the bags out onto a levelling bag conveyor to end at the robot picking conveyor section. The robot picks up the bags at this point and palletize following one of the 10 different patterns available. One operator can easily select the pattern desired and start the machine. A Fanuc Robot was used with this application. Servicing is done by Solutech and with the Fanuc network of servicing locations across the United States.

Visit <https://www.youtube.com/watch?v=UtoYpppyhR8> to watch a video of this system.

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