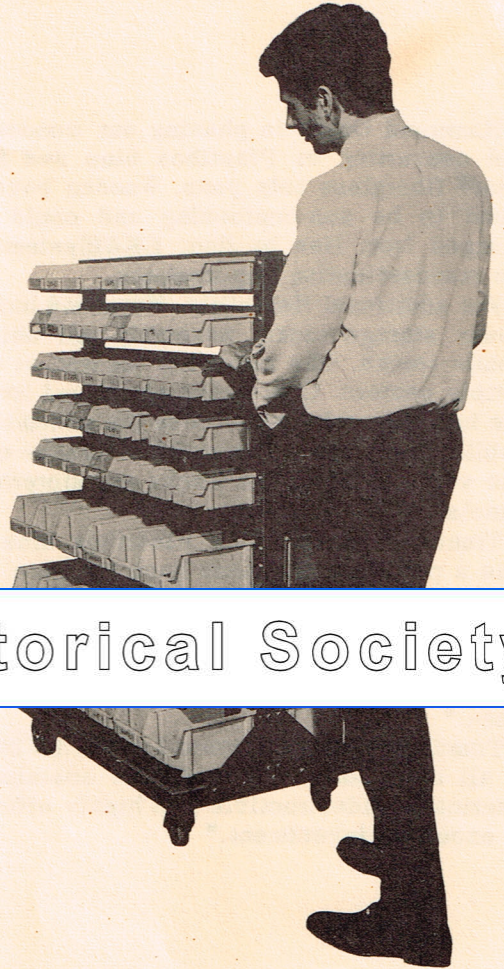


Hammond Tunes Up Production Efficiency and Profit.



Watertown Historical Society

Organ Production costs cut by LEWISystems' Plastibox® bins, racks, assembly units and mobile trucks!

Hammond Organ, Chicago, Illinois, makes beautiful music both with its world-famous organ line and with its profit-oriented materials handling system.

A division of the Hammond Corp., Hammond Organ is the leading international manufacturer of electronic organs. Four Hammond Chicago plants, and a new plant in Johnson City, Tennessee, have boosted production efficiency by installing a flexible materials handling LEWISystem. At Hammond's Diversey Avenue plant, manual keyboards, tone generators, amplifiers, printed circuit boards and pedal keyboards are assembled and shipped to the Melrose Park plant for final assembly. This is Hammond's headquarters plant, with over 1000 employees.

"We needed a system to standardize on and fit our many requirements," said Vince Trunda, materials handling engineer. "LEWISystems' Plastibox containers were the answer." Many assembly line changes ("turn-arounds") are required by Hammond when the assembly of the product line is switched. This requires the quick and efficient introduction and/or removal of many parts in the proper part and code sequence.

Mr. Trunda says that this is easily accomplished with the LEWISystem Plastibox bins. All Hammond assembly operations have been studied by standards engineers to check work efficiency, time loss, and production flow ... and the report is excellent.

"Putting our organ components together efficiently and profitably," says Richard Frain, plant engineering manager, "depends on having the right parts on hand when and where needed." Hammond requires flexibility of its system because of the great variety of parts demand. "We've selected LEWIS Plastibox bins because they offer a wide range of sizes and colors," said Frain. "Another benefit is that our work areas now are clean and neat, with all parts at the operator's fingertips ... this adds to a productive atmosphere."

Hammond Organ is phasing out wooden boxes and converting to Plastibox bins and Stack-n-Nest® fiberglass tote pans. Wooden boxes were found to be non-conforming and could not be changed from line to line. LEWISystems filled the standardization requirements.

For additional flexibility, Hammond has added Lewis storage racks, assembly rail units, and mobile trucks. The racks are located at key assembly centers. Containers are moved from storage into the racks which feed the assembly line. Mobile trucks allow Hammond to change over the line very quickly ... the trucks are storerooms on wheels.

Trunda said "We like Plastibox bins ... they take a pounding and come back for more. I think



Handy finger-tip convenience of parts speeds up assembly functions of control tab subassembly. Circular arrangement of bins allows easy access.



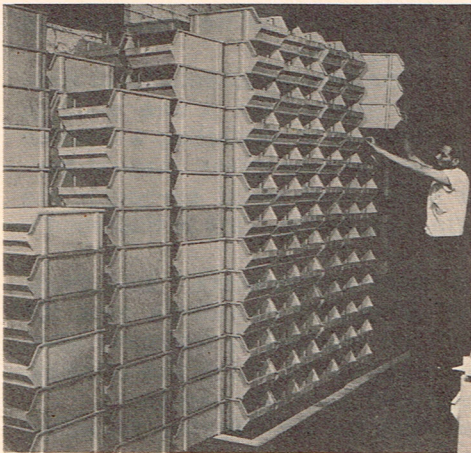
Watertown Historical Society

sizes."

Trunda added that Hammond uses LEWISystems in all the plants. He said "the containers are practically indestructible and highly efficient ... an excellent investment."



On the control panel assembly line, subassemblies move from station to station. LEWISystems assembly units make parts readily available and can be changed quickly if product assembly is altered.



On the key channel assembly line empty bins are moved on line, filled, and returned. When bins are filled with finished subassemblies, they are moved to manual assembly line, emptied, and returned to resume the cycle.



On this line as many as 73 keys are positioned in proper sequence into the metal base keyboard. Larger, wide-mouth Plastibox bins move onto line from conveniently located feeder racks.