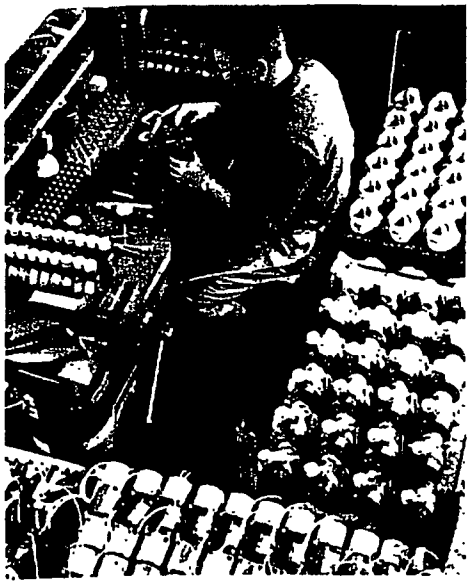



was acquired in 1961, is a major supplier of landing gear, pumps, servovalves and flight control systems. Equipment made by Jarry is on many military and commercial aircraft in the United States, Canada and European NATO countries.

In addition to these current operational programs, both the Aerospace Division and Jarry Hydraulics received contracts in 1962 for programs which are still in the development stage. For instance, the Aerospace Division has received substantial orders for hydraulic pumps for the F110, the new Air Force version of the Navy's F4H. Recently the Air Force announced intentions of purchasing 1,000 of these planes over the next five years.

Both Jarry Hydraulics and the Aerospace Division were awarded contracts for the development of hydraulic equipment and systems on the Lockheed C141 a new military cargo plane being developed for the U. S. Air Force and which is expected to reach the production stage in 1964.

Our facilities and capabilities enable us to participate in the aerospace industry on an international basis. We have the Aerospace Division in the United States and Jarry Hydraulics in Canada. In Europe, we have Aerohydraul, our airborne hydraulic pump operation and the newly acquired West German plant.

One of the newest large markets for hydraulic power is in ground support equipment for missile launching pads and underground silos. The complex machinery necessary to handle, test and aim these giant vehicles must meet the most exacting specifications. Our Denison Division is a major supplier for installations at Cape Canaveral and in many of the Minuteman and Titan silos.

Denison Engineering Division operates three plants in Ohio producing hydraulic pumps, presses, controls and complete hydraulic systems. This division's products are used in many major industries: construction and earth-moving machinery, machine tools, mining, oil drilling and many others. The division occupies a very strong position in the United States for quality products giving high performance in relation to cost. In Europe we are trying to achieve the same reputation for quality products and believe, with plants in England, Belgium and France, and with our new West German plant we will accomplish this objective.

During the year, Denison Division's marketing organization was strengthened to improve coverage and penetration of several markets including marine and government procurement agencies. Two new presses for specialized applications in the compaction of powders and the die castings industry were introduced, and early sales indicate a good reception from users. Two new hydraulic pumps with superior performance characteristics were readied for introduction in early 1963. It is expected that these new pumps will stimulate additional sales in several of our major markets.

Sales of transducers, which are precision instruments for measuring pressures, force and flow, were increased by Dynisco Division. A new model for use in ground testing rocket engines was developed during the year and is now being evaluated in field tests.

Since the company's entrance into hydraulics in 1955, our capabilities in hydraulics and related electronic controls have expanded rapidly and our products have received a ready acceptance in the market as is evidenced by our increasing volume of sales.

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