

#### FORTUNE, JUNE 1970

At least fifty U.S. companies today make minicomputers and 140 other firms turn out terminals. The field is one of great technological pioneering. For example, it is here that large-scale integration (LSI), the extension of microcircuitry beyond integrated circuits with component densities of up to 100,000 to the square inch, is finding its initial applications. Typically, a small new company, Four-Phase Systems, Inc., of San Jose, which was founded less than two years ago by Lee Boysel, then a twenty-nine-year-old computer designer, is challenging big established firms like Texas Instruments and Fairchild Semiconductor in the race to apply the large-scale integration concept to the making of small computers. Under one roof, Four-Phase Systems has assembled a group of young engineers and designers who were formerly with Fairchild Semiconductor, I.B.M., Control Data, and other companies—specialists in both large-scale integration and computer design. Cloyd E. Marvin, a Four-Phase vice president, notes that these disciplines "usually do not exist together in either computer-equipment companies or semiconductor houses." The company will soon start taking orders for a \$15,000 computer. . . . Large-scale integration computers still have to prove themselves in a working environment. But their development is obviously setting the big-computer makers on their ears.

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