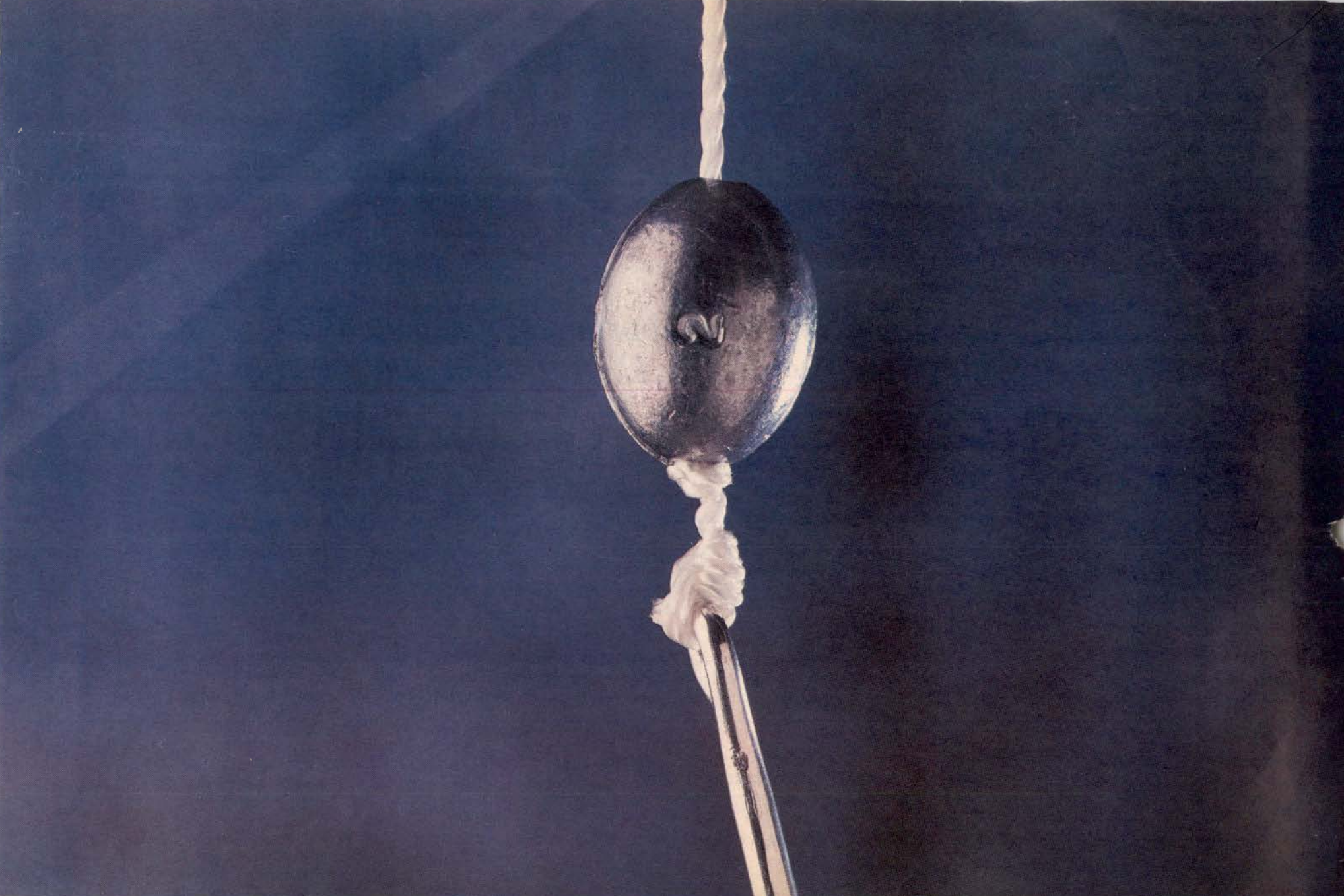

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Don't swallow that line about what a RISC processor can do for your real-time system.

Harris RTX 2000™: Superior Performance, Dramatic Cost Savings.

They dangle a RISC chip in front of you and tell you how well it performs in real-time systems. Bite... and you'll regret it.

Real Time Needs Speed, Response And Predictability.

Our unique RTX 2000 does away with the caches and pipelines that cause erratic execution speeds and response times in RISC processors. In fact, in an asynchronous interrupt driven environment, the RTX 2000 is so agile and predictable, it can outperform RISC processors by up to 10x. And its 16-bit architecture is a better fit for the majority of real-time applications.

Consider Form-Factor And Low Power.

With 84 pins, our RTX 2000 package is about half the size of many conventional RISC machines. In many cases, RISC chips require support circuits to reach their promised performance benchmarks. Not the RTX. And consider power use. The RTX 2000™ uses a mere 7 mA/MHz at full speed: about 1/6 the power consumption of basic RISC chips. That power and space savings is critical when sealed enclosures, high-density packaging and battery operation are considerations. And systems that run cooler, run more reliably.

Faster Development, Reduced System Cost.

Complex RISC hardware and software development can take months to master. You'll reach production-ready status much sooner in our highly integrated development environment with programming in a structured high-level language (C, Forth or Prolog).

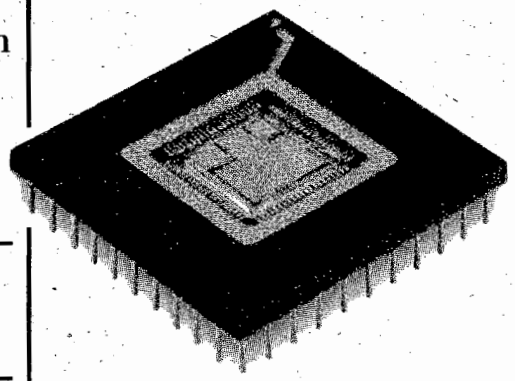
Cost savings come mainly from RTX 2000's low memory requirements. Memory can account for 80% or more of system cost, and RISC processors require massive amounts of high-speed memory. The RTX 2000 works with **4x to 6x less** program memory than RISC machines.

They Sample, We Deliver.

While RISC vendors continue shake-out sampling, we're delivering RTX 2000 chips now. In the quantities you need. With the support you need.

Don't ask RISC to do something it can't do. Design around a microcontroller optimized for real time. Reel in a winner: the Harris Real Time Express.™

Contact us for technical briefs or to register for our real-time design workshops. In U.S.: 1-800-4-HARRIS, Ext. 1291. In Canada: 1-800-344-2444, Ext. 1291.



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