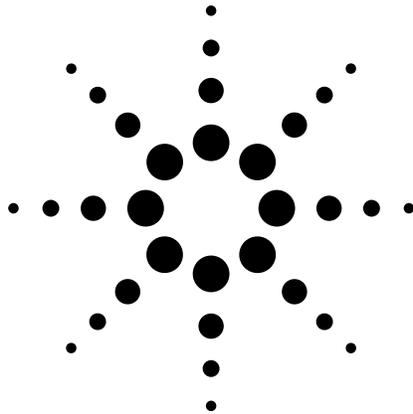**Agilent 3070
In-Circuit Test**

Flexible Test:

Your World,

You Shape It

Agilent 3070 Outsource Series
Pay-Per-Use Board Test Systems

- **Low-entry cost.**

- **Solve your low-volume test problems.**

- **Maximize flexibility to handle any board, any contract.**

- **Turn fixed costs into variable costs.**

The Agilent 3070 In-circuit Test System provides flexible test on a global scale. Its four key attributes: agile test technology, worldwide business services, constant innovation and global presence—make the 3070 a perfect fit for electronics manufacturing. No other platform provides the flexibility required to thrive and survive in a chaotic world.

Agilent Technologies

When your board test needs are unpredictable, choosing a board test solution gets risky. And expensive. Because if you choose the wrong tester, you might get caught with inadequate test capability when you really need it. Or you might get caught with too much test capability and end up paying for an asset that is not used to capacity. Either way… you pay.

Variable Cost Test for Your Variable Test Needs

Do you wake up every day wondering what board will come at you next and how you will handle it?

If you outsource volume manufacturing to others yet maintain your own test development systems to ensure product quality, if you run low volume/high mix production lines, if you have changing and unpredictable board test needs, here is good news:

The Agilent 3070 Outsource Series Pay-Per-Use system dramatically reduces your cost of test—while maximizing your flexibility to test boards in a wide range of sizes and complexities.

How Does Pay-Per-Use Work?

The concept is revolutionary but simple. You purchase a full-capability Agilent Outsource Series Test System at about half price of a conventional 3070 system. Then you pay for the tests you use, only as you use them. You simply unlock the capabilities you need for a particular board using Agilent test credit buttons—and pay only for the capabilities you need, only when you use them. You lower your cost-per-board, while improving your return on assets and protecting your profit.

The Capabilities You Need

With an Agilent 3070 Outsource Series Pay-Per-Use system, you can define your system according to the products you have to test.

Need unpowered test with Agilent TestJet technology? Precision digital in-circuit test? Need to program devices on the board? These capabilities and more are all there waiting, ready to be unlocked when you have a board that needs them.

In-System Programming

If your boards have flash or Programmable Logic Devices (PLDs) you can reduce programming costs, device inventory and unnecessary device handling with Agilent In-System Programming (ISP). Flash ISP and PLD ISP are fully integrated with the Agilent Outsource Series 3070 Pay-Per-Use test system, so devices can be programmed when a printed circuit assembly is being tested, eliminating extra steps. Flash ISP accelerates run-time speeds up to 50% faster than alternative methods. And with Pay-Per-Use you pay for it only when you use it.

To meet the needs of boards with limited nodal access, all Agilent 3070 Outsource Series Pay-Per-Use systems come with the Agilent 3070 Dynamic Test Access suite for limited-access test solutions, including Agilent MagicTest, improved Agilent InterconnectPlus Boundary Scan, Agilent DriveThru and Agilent Access Consultant. And of course, you pay for those capabilities only when you use them.

Do you develop or test boards of various sizes? With the Agilent Outsource Series PPU System, you can test boards with up to 5,184 nodes and pay only for the nodes you test. Even your smallest boards can be tested cost-effectively on the same system that tests your most complex, densely-packed boards. The smaller the node count, the lower the usage rate. It's all there when you need it… when it makes sense to pay for it. And not a moment sooner.

Throughput and Speed Included

The Agilent 3070 Outsource Series is arguably the fastest in-circuit board test system in the industry. And there is no extra charge per minute on the Pay-Per-Use systems for this high throughput. By helping you ship more product at the same low per-minute rates, the Agilent 3070 Outsource Series Pay-Per-Use system brings your cost per board lower than ever before.

On the Button

The key to flexible pricing with Agilent Outsource Series Pay-Per-Use system is the Agilent test credit button. The button works like a long-distance telephone calling card: when you use it for a short conversation over a short distance, you use little of the card's credit. When your short conversation is overseas, you deplete the card's credit more quickly. Agilent test credit buttons are consumed in a similar way. A simple test on a small board uses credits at a low rate, while complex tests on large boards use credits at a faster rate.

Button—and Security— Included

Agilent Outsource Series Pay-Per-Use systems ship with your first Agilent test credit button: it is included in the purchase price. Additional buttons are available for purchase from Agilent. You load the buttons in a tamper-proof lock box that accommodates multiple buttons to ensure you don't run out of test credits. The system includes user-defined alarms to let you know when credits are low. A powerful online query tool is also included to provide detailed reports on net cost per board.

The Operating System for Today's Manufacturing Floor

All Agilent Outsource Series Pay-Per-Use systems are Microsoft Windows™-based for easy integration into your manufacturing line. System administration is familiar and requires no specialized training.

Lower Your Out-of-Pocket Costs Even More

Is your business too unpredictable for you to purchase any test system? Agilent will lease you an Outsource Series Pay-Per-Use system for as short a term as 12 months or as long as 60. When your lease is up, you can return the system, renew the lease, or buy it and apply 65 percent of your payments toward purchase. It's as close to risk-free as it gets.

Try Now, Buy if it Makes Sense

With your Agilent Pay-Per-Use system, you automatically accrue equity every time you purchase an Agilent Test Credit Button. One hundred percent of the initial system purchase price and 50 percent of the cost of the button is applied to your future ownership of the system. Any time it makes economic sense for you, when your manufacturing volumes go up and stay up, for instance, you can choose to buy out your Pay-Per-Use system to become an Outsource Series Production or Development system.

Change the Way You Pay for Test

If your board test needs are unpredictable, do what manufacturers around the world have done: call Agilent and learn more about this unique approach to board test. Agilent will change the way you look at board test. And the Agilent Outsource Series Pay-Per-Use system will change the way you pay for it.

Adopted Worldwide

If you think pay-per-use is a good idea, you're not alone. Within 18 months of introduction, the Agilent 3070 Pay-Per-Use system received the prestigious Vision Award from SMT magazine. The momentum continues today among leading manufacturers worldwide who use Agilent Pay-Per-Use systems to lower the cost of board test. Clearly, it's more than a good idea. Agilent Pay-Per-Use is a strategic business decision that will change the way you pay for test.

For more information about Agilent Technologies products and solutions in electronics manufacturing, visit our website: **http://www.agilent.com/go/manufacturing.** To learn about other Agilent test and measurement products, applications and services, or for a current sales office listing, visit our website: **http://www.agilent.com/find/tmdir.** You can also contact one of the following centers and ask for a test and measurement sales representative.

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Market Engineering Award Recipient

Market Penetration 2001

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