

## Certified Recycled Parts Overview



Honeywell certified recycled parts are not new, but parts that go through a qualification process to validate functionality. In most cases the equipment has been previously used and decommissioned.

### Certified Recycled Parts (CRP) Program

The CRP program offers customers the ability to maximize the output for their initial system investment dollars. This may be through extending the life of the existing legacy system or using it as a bridge to plan out and allow migration to new systems over a defined timeline. The program is another example of Honeywell's commitment to fully support systems from introduction through obsolescence. A growing inventory of both product depth and quantity is being made available each year.



### Customer Benefits of CRP

Sites can benefit from the availability of hard-to-find parts needed to maintain systems and productivity for Honeywell legacy Distributed Control Systems (DCS), Quality Control Systems (QCS), and Continuous Web Solutions (CWS). These include parts found in the TDC2000 and TDC3000 lines as well as others for the DCS at site. On the QCS side this would include material such as sensors and MxOpen parts no longer available through new production.

When purchasing from Honeywell CRP, there is the added benefit of continued support from Honeywell services and support teams as well as removing risk of losing agency approvals for full system configurations where applicable.

The main focus is on field replaceable spare parts, but there is so much more to CRP.

In addition to spare parts, assemblies such as consoles and complete nodes may be obtained to meet your maintenance or small expansion needs. There are also a couple of items that differentiate Honeywell CRP from others:

1. CRP is eligible for use with Parts Management contracts
2. Pro-rated warranty provided
  - Warranty period same as for new build spares

### CRP Certification Process

Only boards and parts which pass the certification process are offered for sale. Any material which fails a step of the certification process is discarded.

1. Low Level Green Light/Power Up test
  - This is a first level inspection to verify that the board powers up and executes a self-test.
2. Run the Hardware Verification Test System (HVTS)
  - The HVTS validates the function of the hardware components on the board
3. Load/Run System Software
  - Software is loaded to ensure successful interaction of the board with other Honeywell hardware and software in the system
  - Once the board system software test is complete, the software is removed
4. Burn in, Minimum 24 hours, Usually 3 to 5 days
  - Verifies extended operability and exposes any thermal and/or throughput problems

## CRP Reliability

The Honeywell CRP program has been filling over 1100 orders annually since it became a standard order channel for customer support of legacy equipment and is growing with each year. The rate of warranty returns has been less than two percent of all material supplied over a three-year window.

## System Agency Approvals

When systems initially ship and are installed at sites they often carry different agency approval certifications such as CE, CSA, or FM. If a non-approved board is installed in a system it may invalidate the agency approvals for the entire system. To remain covered by applicable agency approvals, any replacement boards would have to be purchased through either Honeywell or an authorized distributor of Honeywell products, which allows any re-work and qualification to be done under the same agency-approved and audited processes and to the exact specifications approved on the engineering drawings for each board. The Honeywell recycled parts which have gone through the Honeywell qualification process and have been marked with the “-RP” designation from Honeywell continue the original agency approvals for the complete system.

## Recycle Old Equipment

If you do not have a need for CRP to keep a system running, you may have a need for their assistance with decommissioned hardware. Honeywell CRP can help recycle or dispose of used Honeywell equipment properly and possibly buy it back.

Contact the Honeywell CRP team via phone, email, or web to get additional details.

## More Information

For more information on any of Honeywell's products and services, visit our website [www.honeywellprocess.com](http://www.honeywellprocess.com) or contact your Honeywell FSM or account manager.

## Examples of CRP Material Available

1. TDC2000/Hiway
  - Basic Controller
  - Extended Controller
  - Multifunction Controller
  - IPC / LM 620/621
  - PIUs
2. TDC3000/LCN/UCN
  - History Module
  - Hiway Gateway
  - Process Manager
  - IOPs and FTAs
3. Console Components
  - Keyboards
  - EPDG boards
  - Servers and Workstations
  - LCNP4 boards
4. Sensors
  - Caliper Sensors
  - Z-Laser Sensors
  - Color Sensors
5. PCBs
  - Control Processor
  - Unigauge Backplane Type II
  - Color Sensor Processor DaVinci / MxOpen
  - UAP / PIDP / DOP / AIP
6. C300
  - Series C Controllers
  - Series C I/O – Power Systems
  - Series C Battery Backup
  - Series C IOTA

## Performance Materials and Technologies (PMT)

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For more information contact CRP at 1-800-822-7673 Option 3 or via email at [CertifiedRecycledParts@honeywell.com](mailto:CertifiedRecycledParts@honeywell.com)