



# S.T.A.R. Toner Cartridge Recycling Program

Thank you for joining us in serving our community, and our world.



Change | Challenge | Create | Competitiveness

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- **Toner Cartridge Return /Recycling Overview**
  - S.T.A.R. – **S**amsung **T**ake back **A**nd **R**ecycling
  - S.T.A.R. program is operating in over 22 countries worldwide; S.T.A.R. program operating in the U.S. since 2007
    - <http://www.samsung.com/printer/recycle>
  - Program recycles empty cartridges and re-uses the recovered raw materials
  - S.T.A.R. recovers 98.6%+ of the materials returned – residual materials are treated and safely disposed of
  - Several convenient return options:
    - Free Individual user returns via user-printed label using USPS
    - Free Office Collection Box returns for business users – two sizes available
    - Free USPS self-adhesive Label 5 Packs
  - All services available at: [www.samsung.com/starus](http://www.samsung.com/starus)

- Program collects empty cartridges, recycles them into their base raw materials:
  - Plastics, Metals (copper, ferrous, aluminum), Cardboard/Paperboard materials
  - Recovered materials sold to the raw materials market for re-use
  - Unlike others, cartridges are *never* incinerated or otherwise improperly disposed
    - *Benefit Fact: Reusing the metals saves 80% of the energy required to produce the same quantity of new metal*
  - S.T.A.R. conforms fully with IEEE 1680.2/EPEAT requirements
- Cartridges are recycled in a certified plant in Ontario
  - Facility permitted and approved by Province Environmental authorities
  - The facility is fully licensed, ISO 14001 certified, audited monthly
  - *S.T.A.R. services offered free to Samsung printer users for recycling genuine Samsung toner supplies*

- **U.S. Program meets the most stringent environmental certification for a manufacturer: e-Stewards**
  - *From - 1989 Basel Convention - a United Nations Treaty*
- **U.S. S.T.A.R. is the only OEM cartridge recycling program to meet e-Stewards**
- **e-Stewards endorsed by:**
  - *Greenpeace USA*
  - *Sierra Club*
  - *Electronic Take Back Coalition*
  - *Natural Resources Defense Council*
  - *European Environment Bureau*
  - *Friends of the Earth*
  - *Green Science Policy Institute*
  - *Over 60 other groups worldwide*

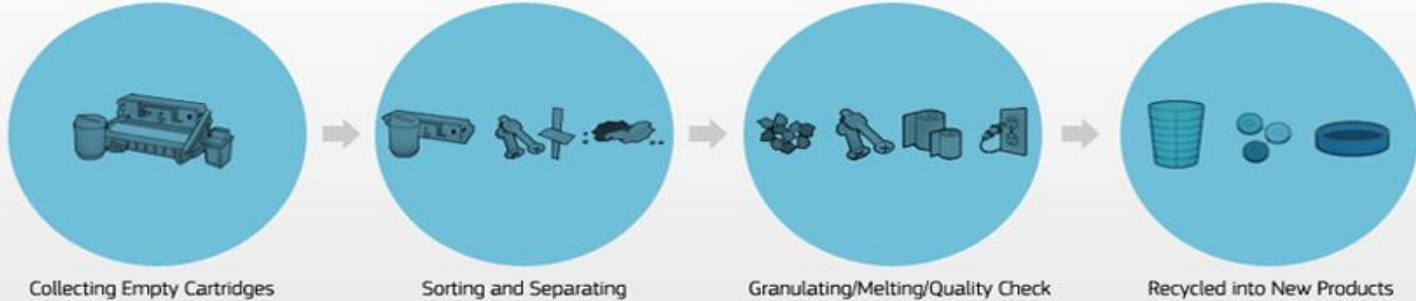


- **e-Stewards - *the highest standard of environmental responsibility and worker protection***
- **e-Stewards Standard is the only e-waste standard that:**
  - Is “All-In-One” – encompasses a certified ISO 14001 environmental management system and R2 (Responsible Recycling) Practices.
  - Prohibits all toxic waste from disposal in solid waste landfills and incinerators
  - Requires full compliance with existing international hazardous waste treaties for exports and imports of electronics, and specifically prohibits the export of hazardous waste from developed to developing countries
  - Prohibits the use of prison labor in the recycling of toxic electronics, which often have sensitive data embedded
  - Requires extensive baseline protections for and monitoring of recycling workers in every country, including developed nations where toxic exposures are routinely taking place
  - Mandates Certified practices on downstream vendors in the process – *no loopholes*



## Voluntary Program to Save the Environment S.T.A.R. (Samsung Takeback and Recycle Program)

### Samsung Recycling Process



### Recovered Resources When Recycling One Toner Cartridge

Classification	Weight (Kg)	Component Ration (%)
Synthetic Resin	0.78	43
Metals	0.70	38
Non-Metals (Al)	0.10	5
Discarded Toner Powder	0.06	3
Byproducts (Wastes)	0.16	11
<b>TOTAL</b>	<b>1.8</b>	<b>100</b>

1 Cartridge =  
~(1.9lb/1.8Kg)

Let's make a difference together  
by recycling your empty Samsung toner cartridge today

s.t.a.r.program  
Samsung Takeback and Recycle Program



Users can print a free, pre-paid USPS return label on the Samsung S.T.A.R. Web site page for each return.



The U.S. Postal Service enables Samsung printer users to have the *most convenient* array of return options available from any printer manufacturer, including:

- Drop-off the return at any of the 30,000+ USPS offices nationwide
- Schedule a free, next-day pick-up using USPS Carrier Pickup
- Drop-off at any of over 150,000 USPS mailboxes
- Handing the S.T.A.R. return package to any of the over 200,000 USPS letter carriers

# Free Office Collection Box Program



- **Free Office Collection Boxes for convenient business recycling**
- **Pre-Addressed, Pre-Paid and Labeled for free pick-up by USPS when full**
- **Two Sizes Available:**
  - **Large Office: holds 10 – 12+ empties**
  - **Small Office: holds 4 – 8+ empties**
- **Order via [Samsung.com](http://Samsung.com), email, or toll-free - 1-866-332-4160**
- **Pre-Addressed/Pre-Paid Self-Adhesive Label Packs (Qty: 5) also available for customers using their own return boxes**



- **U.S. S.T.A.R. Summary:**
  - **Completely free program for Samsung toner users**
  - **Offers B2C consumer and B2B Return Services**
    - Free online return labels, label packs
    - Free Office Collection Boxes for B2B users
  - **Is the only OEM cartridge recycling program to be e-Stewards Certified**
  - **S.T.A.R. recovers 98.6%+ of the materials returned**
  - **S.T.A.R. conforms fully with IEEE 1680.2/EPEAT requirements**
  - **Using USPS, S.T.A.R. is the only OEM cartridge recycling program to service *every single address in the United States***
    - Multiple drop-off and pick-up capabilities for consumers and business
    - Simple, convenient return process encourages recycling involvement



**EBD**  
Enterprise  
Business

Thank you for joining us in serving  
our community, and our world.



At Samsung, it's not just business  
because it's **Business. Innovated.**