2017 Award Nomination

Title of Innovation:
Porter Cable Restorer

Nominee(s)
Wellington Corp LLC

Category:
(Power Tools)

Coatings and Linings	Instrumentation
Cathodic Protection	Testing
Materials Design	Integrity Assessment
Chemical Treatment	Other—fill in

Dates of Innovation Development:
(5/18/2009)

Web site: www.wellingtontool.com

Summary Description: The RESTORER is a multi-surface restoration tool that can be used to buff, sand, grind, polish, scrub or clean any surface while vacuuming up the debris. Redeem the old, restore like new and recreate with the Restorer.

The RESTORER is able to accomplish a variety of tasks that typically require the use of many different hand tools and power tools including work done by hand. It is a Patented hand-held or bench top tool that can be used to buff, sand, grind, polish, scrub or clean any surface. Its design makes the RESTORER very balanced and compact for maneuvering in tight areas and around tough obstacles. The RESTORER can be fitted with any type of roller from ScotchBrite to wire wheel and everywhere in between. The pistol grip design allows the operator to control the tool with one hand or use the front palm grip to work vertically or overhead. Simply connect a vacuum source to the output of the RESTORER to safely and effectively clear away all debris that is being removed from the surface during usage.


PORTER CABLE
PTIA 2016
AWARD FINALIST

Full Description:

(Please provide complete answers to the questions below. Graphs, charts, and photos can be inserted to support the answers.)

1. What is the innovation? Brand new power tool innovation invention

2. How does the innovation work? Removes corrosion, paint and rust and vacuums up the debris thru a dust port

3. Describe the corrosion problem or technological gap that sparked the development of the innovation? There is no affordable power tool on the market that ergonomically removes, paint, rust and corrosion a while vacuuming up the debris. How does the innovation improve upon existing methods/technologies to address this corrosion problem or provide a new solution to bridge the technology gap? Ergonomics, Price and Unmatched debris collection

4. Has the innovation been tested in the laboratory or in the field? Both. If so, please describe any tests or field demonstrations and the results that support the capability and feasibility of the innovation. It has been through a battery of factory tests along with meeting the strictest requirements set forth by the largest global power tool manufacturer. It is also being military tested at the Naval Warfare Center in Bathesda, MD by Matthew Koch and Andrew Sheetz.

5. How can the innovation be incorporated into existing corrosion prevention and control activities and how does it benefit the industry/industries it serves (i.e., does it provide a cost and/or time savings; improve an inspection, testing, or data collection process; help to extend the service life of assets or corrosion-control systems, etc.)? It dramatically reduces corrosion control cost by its efficiency and cost of ownership. Typically 1/10th the cost of current outdated power tool technology.

6. Is the innovation commercially available? Yes. If yes, how long has it been utilized? Just launching into Lowe's stores now along with being globally available on Amazon starting mid November 2016. If not, what is the next step in making the innovation commercially available? What are the challenges, if any, that may affect further development or use of this innovation and how could they be overcome? Challenges are being met by a global team bringing this innovation to market globally in 2017.

7. Are there any patents related to this work? If yes, please provide the patent title, number, and inventor. Surface preparation apparatus, United States Patent 8480457, Robert Kundel Jr