



Device Throughput: 16-24 Tip Racks / Hour  
Device Dimensions: 30½W x 29D x 18¼H in.

## REDUCE COST AND WASTE THROUGH INNOVATION

Every year over 4,000,000 pounds of plastic pipette tips, after a single use, are disposed of in landfills globally, leading to significant environmental pollution and costs. A typical laboratory consumes several thousand pipette tips daily for samples and assay procedures. At grenova, we view the high consumption of plastic pipette tips as an unnecessary operational cost for companies and a significant contributor to environmental pollution. Therefore, at grenova we have made it our mission to help reduce laboratory biohazard wastes while we help labs reduce costs on consumables. Tipnovus™ is a bench top high throughput washing device that will enable the labs to wash and sanitize contaminated pipette tips in large quantities for reuse. Tipnovus will offer labs a choice to re-use plastic pipette tips several times, cutting associated consumable costs by up to 90%. Tipnovus' unique method of wash and sanitation is safe for both the lab and the environment.

### WASH FEATURES

- **Four Cleaning Reagent Inputs:** Enables the users to wash the consumables with the cleaning reagent of their choice.
- **High Pressurized Wash:** Eliminates any large contaminants from the pipette tip surfaces.
- **Ultrasonic Cleaning:** Removes and dissolves small contaminants and particles from the pipette tip surfaces.
- **Tip Agitation:** Improves the wash quality and overall cleaning process
- **UV Sterilization:** Kills and denature infectious diseases, DNA and bacterias from the pipette tip surfaces

### DRY FEATURES

- **Tip Agitation:** Eliminates large droplets and improves overall drying process.
- **Heat-Fan Dry:** Automated temperature control heated fan for optimal drying.  
Optional UV Sterilization



**COMPREHENSIVE INNOVATION**

Our patented process and products are designed to work together as a comprehensive sustainability model. Additionally implementing a single product has been proven to deliver waste reduction and drive profitability. Our team can advise on a customized implementation strategy.

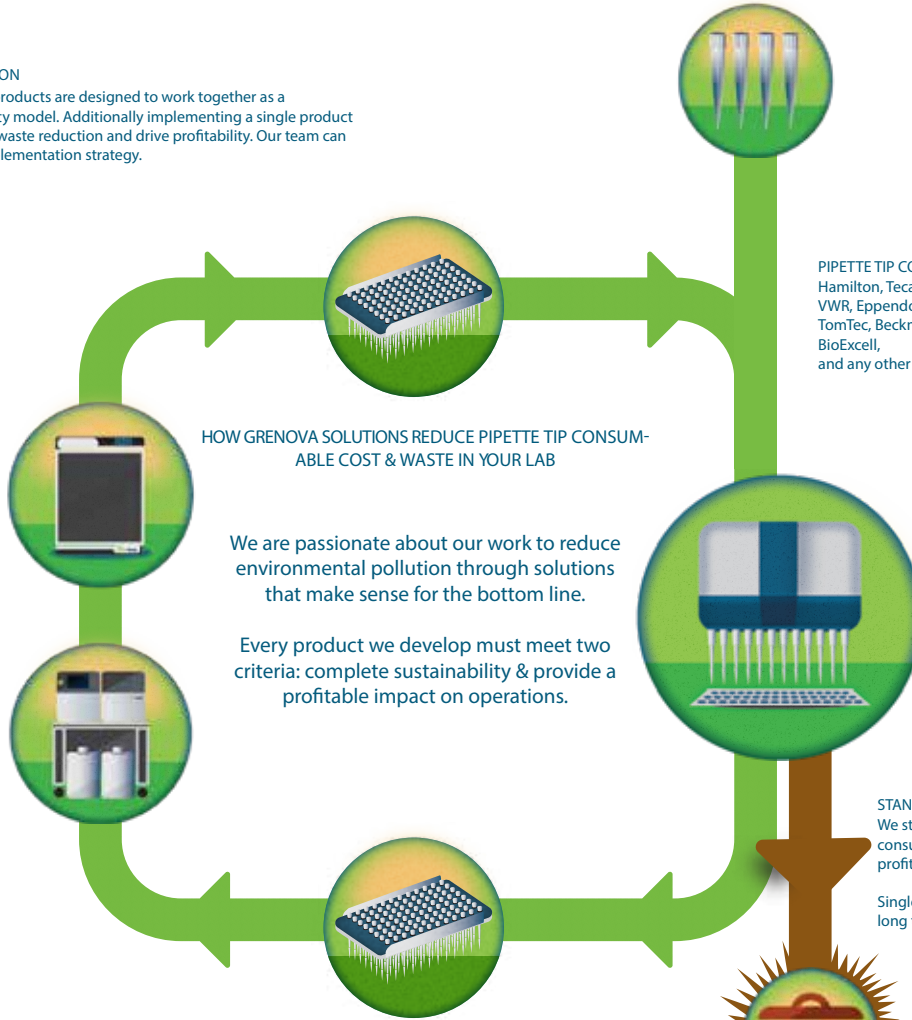
**TIPLUMIS**



**TIPNOVUS™**

**WASH, STERILIZE AND DRY FOR REUSE**

Grenova Solutions allow for washing, reuse & recycling as a longterm solution for advancing the technical capabilities of our customers. We stand behind our products and relentlessly develop solutions to improve the category of laboratory science.



**HOW GRENNOVA SOLUTIONS REDUCE PIPETTE TIP CONSUMABLE COST & WASTE IN YOUR LAB**

We are passionate about our work to reduce environmental pollution through solutions that make sense for the bottom line.

Every product we develop must meet two criteria: complete sustainability & provide a profitable impact on operations.

**PIPETTE TIP COMPATIBILITY**

Hamilton, Tecan, Beckman, Rainin, Integra, Janus, VWR, Eppendorf, Biomek, Bravo, Axygen, Caliper, TomTec, Beckman Coulter, Neptune, PerkinElmer, BioExcell, and any other 24, 48, 96, or 384 format tips

**STANDARD PROCESS WASTE**

We strive to change the industry attitude about consumables by educating labs on sustainable, profitable solutions.

Single-use processes cannibalize profit and have long term, negative impact on our environment.

**GRENNOVA REUSE PROCESS**

Data generated using washed tips from the pipette tip washer is of the same quality as data generated using fresh sterile tips directly from the manufacturer" and "implementation of tip washer allows for reduction of material waste while still producing highest quality analysis.



**VALUE DRIVEN COMPANY**

Our value of customers is driven by the values we hold ourselves, which stands for EARTH. Our customers and our planet are always our top priority.