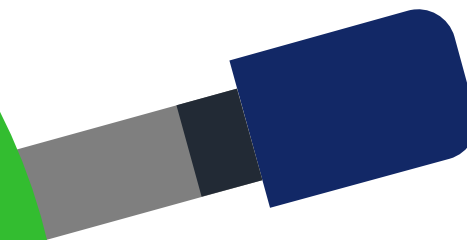




**convectionium**

technology | infrastructure | automation

**Discover the Power of Automation**





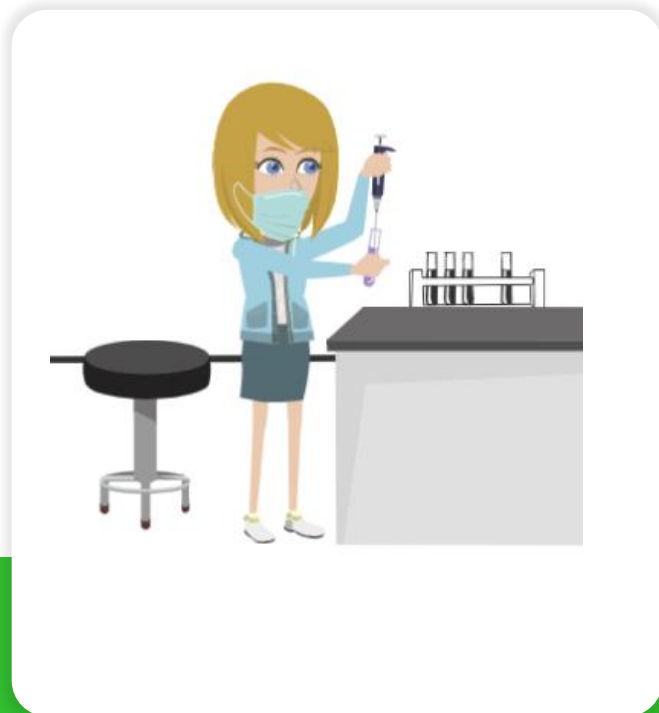
**convection**

technology | infrastructure | automation

# Automation Tip #1



**convection**  
technology | infrastructure | automation



## Manual Production is Stunting Your Growth

On average it takes 2 people 1 hour just to fill 150 cartridges. And if someone quits or doesn't come to work, you're down to 75 cartridges an hour. Manual filling is not scalable – it's holding you back - and puts you at risk for human error and falling short of meeting inventory.



**convection**

technology | infrastructure | automation

## **Automation Tip #2**

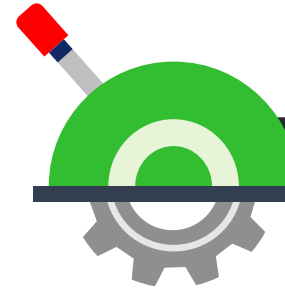
# If Possible - Automate Each Process Not Just a Few

## This will Help Eliminate Manual Bottlenecks



### Use Pre-Racked Cartridges

To save time up front. Just grab a rack and put it into the filling machine.



### Use Automated Filling

1 Person Can Fill 2000 Cartridges Per hour



### Use Automated Capping

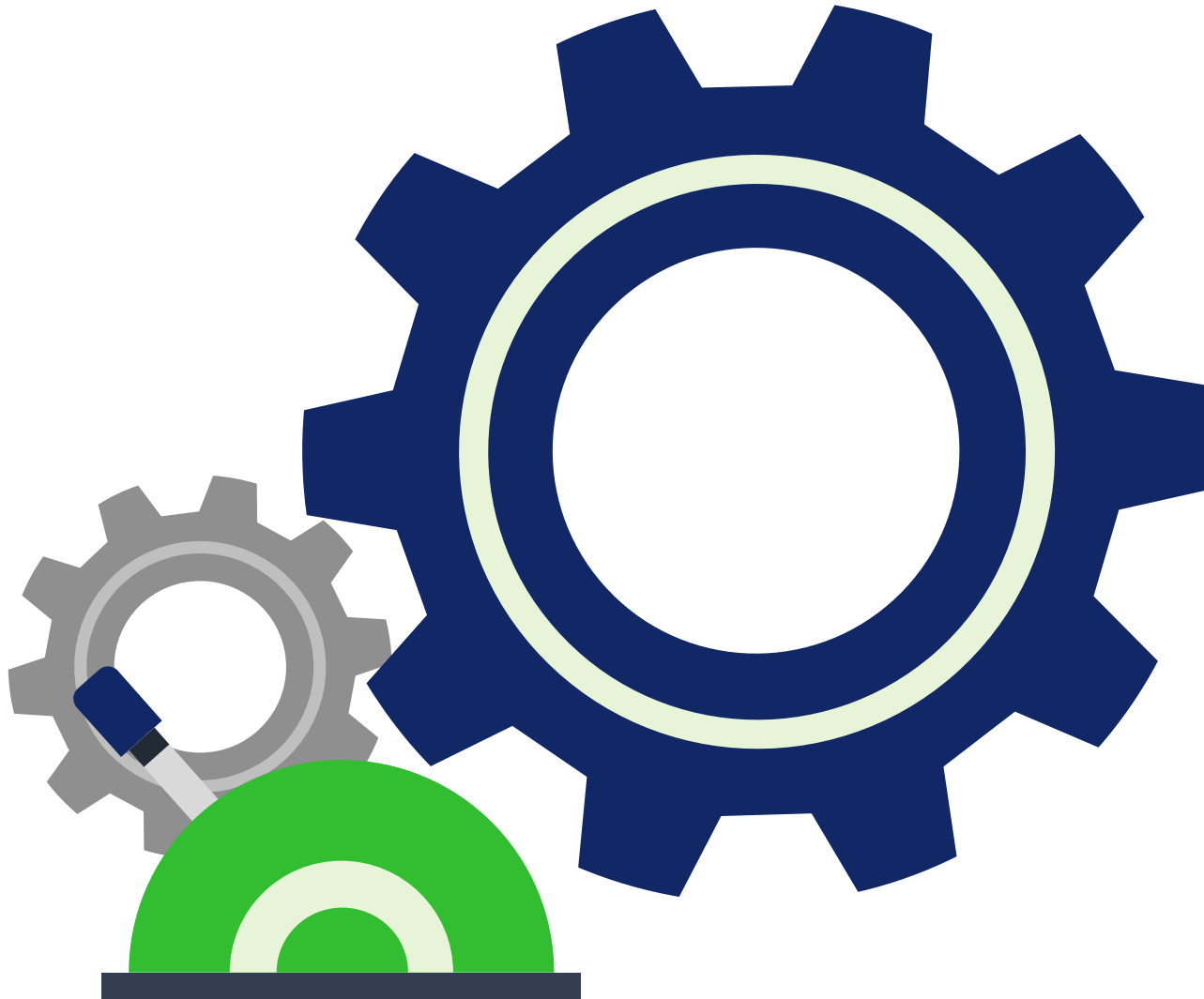
1 Person can Fill and Cap 2000 Cartridges Per Hour.



**convection**

technology | infrastructure | automation

## **Automation Tip #3**



# Develop a Strategic Plan to Automate Your Processes

In order to automate effectively, it takes planning. Convectium can help you plan an incremental strategy or an all-in-one purchase of multiple machines to integrate into your operations.



Operational &  
Resource  
Planning



Integration  
Planning  
& Training

**We Won't Love You and Leave You!**



**convection**

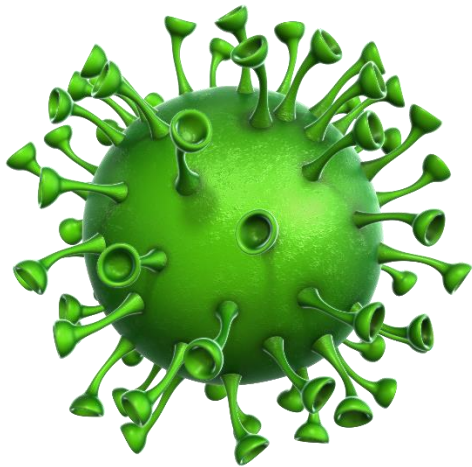
technology | infrastructure | automation

## **Automation Tip #4**





**convectionium**  
technology | infrastructure | automation



## During COVID-19 Smaller Shifts are Safer

During COVID-19 you've either cut back on staff or ramped up to keep up with demand. In either model, you can keep up with demand safer through automation. Automation can reduce the number of plant workers in any given shift, while still being able to produce large volumes of product.



# **Meet Your New Team Members**

# The 710Shark Filling Machine



## Specifications:

- Fill 100 consumables at a time
- Able to be programmed for various cartridges and mouth pieces
- Movement is accurate to 0.1mm
- Filling accuracy to less than 0.01ml
- Runs on 115 VAC 60 Hz power
- Built in Safety lockouts
- User programable heat, speed and fill volume controls
- Pre-Programmed Cleaning and Purging Routines
- Remote back end access over the internet for Software updates and service
- **Footprint dimensions:** 78" X 29.50" x 24.00" ( H x D x W)
- **UL and Canadian UL listed** – UL508A
- **PLUG TYPE:** NEMA 5-15P

# The 710Captain Capping Machine



## Specifications:

- Fill 100 consumables at a time
- Able to be programmed for various cartridges and mouth pieces
- Movement is accurate to 0.1mm
- Filling accuracy to less than 0.01ml
- Runs on 115 VAC 60 Hz power
- Built in Safety lockouts
- User programable heat, speed and fill volume controls
- Pre-Programmed Cleaning and Purging Routines
- Remote back end access over the internet for Software updates and service
- **Footprint dimensions:** 78" X 29.50" x 24.00" ( H x D x W)
- **UL and Canadian UL listed** – UL508A
- **PLUG TYPE:** NEMA 5-15P

# Pre-Filled Racks



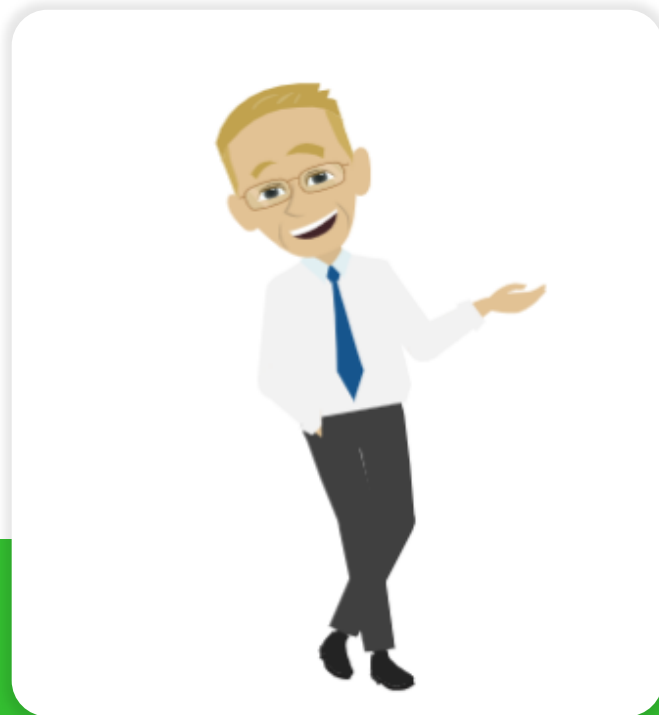
Jupiter Research and Convectium have developed an exclusive proprietary pre-racking filling solution, allowing businesses to scale to meet rapidly increasing demand.

- Hold, fill, and cap 100 units at a time
- Dual heated injection system fills up to 100 cartridges in less than 60 seconds
- Two-step process caps 100 compression cartridges in less than 30 seconds
- Filling movement is accurate to 0.1mm 1

Scale Quickly & Profitably While Reducing Costs, Risk & Waste

# The Ultimate Automated Solution!

When Applied, You Can Watch Your Production Grow,  
and Grow and Grow



Pre-Racked  
Cartridges



710Shark  
Filling Machine



710Captain  
Capping Machine





**But Wait!**  
**There's More!**

# The Pre-Roller



**The PreRoll-ER is the ultimate solution for packaging your pre-rolls. We offer all the equipment necessary to automate the packaging of your pre-rolls. From the flowers to your tubes, whatever the cones and the tubes sizes!**

**For conical or cylinder (cigarettes type) pre-rolls on the same machine**

- Production of up to 2000 pre-rolls/hour
- Guaranteed weight of 0.01g (weigh before filling)
- Exit weight checking with reject station
- For pre-rolls of 0.25 to 2g (easy adjustment)
- Adapt to all cones sizes and brands
- Pre-rolls consistency in shape and THC content
- Compaction top and bottom for uniform density
- Improve twisting station and advanced adjustable cutting station
- Flat top premium pre-roll finish
- Easy to clean to prevent cross contamination (auto-cleaning feature)
- Fast and toolless changeover
- Complete modular for easy upgrade



# The Unilabeler



## Automated Labeling:

The UniLabel labeler is an automatic machine that applies a label to all your types of products. The equipment works for all containers, whether round, square or otherwise, that have a single label. We use a high end applicator head imported from Italy and we also offer the printheads. The machine produces up to 100 ppm with our 30 m / min heads. Our UniLabel labeler is perfect for your low to medium speed packaging lines.

## Options

- Coder: ink jet, heat transfer, laser
- Vision system
- Print and apply head
- Prism station
- Conveyor belt type
- Additional top head
- Container guide
- Higher label (200 mm or 300 mm)
- Clear label sensor
- Longer or larger conveyor
- Automated position adjustment

# Let's Get Automated!

## Contact Us Today



[www.convectium.com](http://www.convectium.com)  
[david.hall@convectium.com](mailto:david.hall@convectium.com)

**David Hall**  
**617-7178718**