

# REVOLUTION™

## Tire Changer with WalkAway™ Operation



Fully automatic changes everything



Semi-autonomous  
WalkAway™ mode



2-minute service time  
for all tire/wheel types



Unmatched technician  
and wheel safety



HunterNet® 2  
connectivity



Let the changer do the changing

# REVOLUTIONIZE YOUR SERVICE

The Revolution™ tire changer has powerful and dynamic features that include automatic and autonomous operation – all designed to save time, effort, and mistakes.

**PATENT PENDING**

## WalkAway™ operation

- ✓ 80-second unattended bead breaking and demounting process
- ✓ When paired with wheel balancing, 25%+ time savings is possible

**PATENTED**

## Space saving wheel lift

- ✓ Spindle lifts tire directly into position
- ✓ Built-in wheel lift reduces overall footprint



**PATENTED**

## Powered press arms

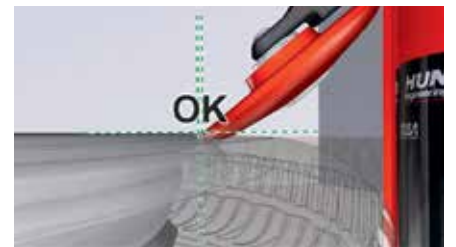
- ✓ Mount virtually any tire
- ✓ Powered for maximum control



**PATENTED**

## Leverless tool head

- ✓ Demounts without levers
- ✓ Prevents damage to tire and rim



**STANDARD**

## Built-in camera monitors operations

- ✓ Identify incorrect operation and verify proper work
- ✓ Protect your investment



## Animations and videos

- ✓ Animations train operator "on the job"
- ✓ Video training for new users
- ✓ Video library of special procedures



*Award-winning tire changer empowers shop technicians with ease of use – same procedure for all tires and wheels means operator experience no longer a factor.*



Embrace opportunity with...

# POWERFUL, DYNAMIC FEATURES

Hunter's Revolution tire changer has industry-leading features to help any technician service the wide range of fitments that will arrive in your shop – all designed for productivity and safety.

**PATENTED**

## Powered press arms assist on demand

- ✓ Utilize press arms only when necessary or set up to always use them
- ✓ Press arms adjust automatically
- ✓ Press arms power clockwise to prevent tire slippage



**PATENTED**

## Bead loosening rollers are damage free

- ✓ Bead loosening rollers work best for widest variety of tires
- ✓ Procedure loosens even the most stuck on soft sidewall tires
- ✓ No risk of TPMS damage
- ✓ No risk of rim damage



**PATENTED**

## Leverless tool head

- ✓ Demounting hook automatically deploys to catch and lift bead
- ✓ No risk of lever damage to operator or rim
- ✓ Demounting hook always avoids TPMS sensor – no risk of damage
- ✓ Mounting head designed to work with clad, raised spoke, and all unique wheel designs



**PATENTED**

## TPMS protection is automatic

Once the operator sets the diameter and positions valve stem/TPMS, the Revolution™ tracks the sensor during mounting and demounting, avoiding costly damage.



PATENT PENDING

## Fast inflation saves time

InflationStation™ automatically fills tire to desired pressure.

- ✓ Operator stands back or can WalkAway™ from inflation
- ✓ 33% faster than traditional foot pedal inflation systems



Blast inflation directs large blast of air for tough bead seating.



## Clamping versatility

- ✓ Powerful hydraulic clamp holds wheel secure
- ✓ Center clamp design avoids clamping damage
- ✓ Three position cone handles wide variety of wheels



## Hydraulic operation is powerful and precise

- ✓ Hydraulic operation with filter means long durable life, much like industrial equipment
- ✓ Hydraulic operation means power and control
- ✓ Each tool can be moved quickly or slowly into position and held as needed



# On-board training

Technique learned through making mistakes and busted knuckles is no longer a requirement for tire changing. On the Revolution™, the same process learned for one tire assembly applies to all tire assemblies.



25 on-board videos cover basic and detailed operations, special procedures, and specific accessories



"Walk Me Through It" mode includes 13 unique animations detailing each step (can be bypassed by experienced operator)

# HunterNet® connectivity

New Revolution™ tire changers are HunterNet® capable. Software enables tire changers with wired or wireless internet connections to:

- ✓ Report usage data and populate trend reports
- ✓ Log individual tire changes including before and after photos
- ✓ View real-time return on investment

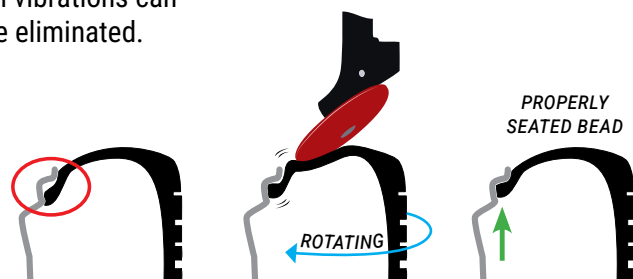


**PATENT PENDING**

# Bead massage

The Revolution™ tire changer features a WalkAway™ bead massage sequence.

When combined with Road Force® match-mounting, virtually all vibrations can be eliminated.



During bead massage, rollers apply force to the tire walls, assisting proper bead seating and reducing vibration concerns.

# Match-mounting

When used with Hunter's Road Force Elite®, the Revolution™ quickly and easily helps eliminate vibration problems balancers alone can't fix.

The Revolution's bead roller discs allow spinning of the tire on the rim, helping to match-mount the stiffest point on tire to the low spot on rim.



\* (one or more tires has 7 lbs reduction)

*Built to perform and protect*

# FULLY AUTOMATIC ADDS SAFETY

Fully automatic operations keep operator's hands and body safely away from the machine, reduce damage risk to rims and tires, and increase TPMS safety. Polymer tools ensure scratch free operation.

## **A** Position safety

Operator stands back and lets the machine do the work

## **B** Leverless safety

- ✓ No levers to hit operator
- ✓ Automatic press arms replace using levers for mounting

## **C** Power and clamping safety

- ✓ Operator's hands stay away from the assembly
- ✓ No pinch points
- ✓ No risk of rim slipping

## **D** Recording

Protect your investment: verify your work with camera-recorded processes

## **E** Wheel lift safety

- ✓ Protects operator's back
- ✓ No need to lift heavy assemblies

## **F** Inflation safety

- ✓ InflationStation™ algorithm fills to set pressure automatically – not necessary to stand on foot pedal to inflate
- ✓ Inflation controls keep operator away from assembly

## **G** Tire and wheel safety

Automatic procedure protects rim and tire

## **H** TPMS safety

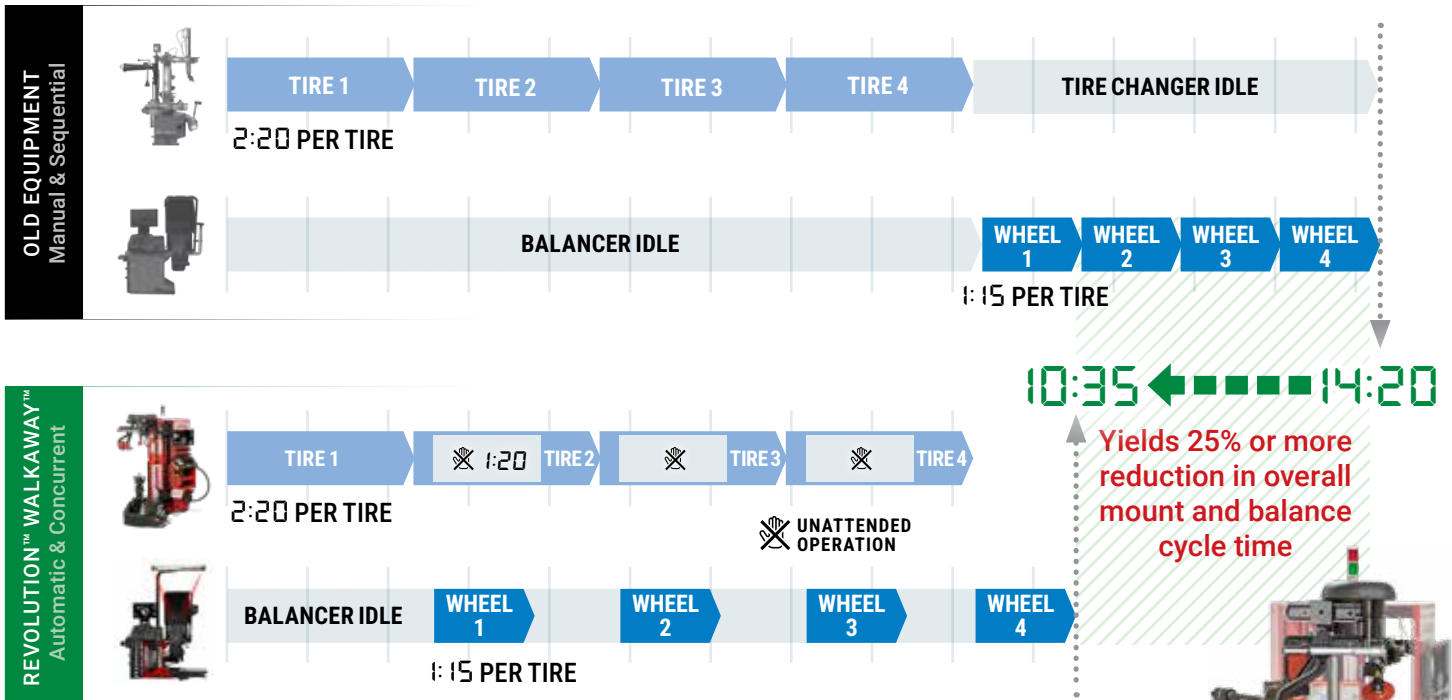
- ✓ Monitors TPMS location constantly
- ✓ Won't allow tire to be mounted or demounted in unsafe TPMS location



WalkAway™ mode:

# MULTI-TASK LIKE A PRO

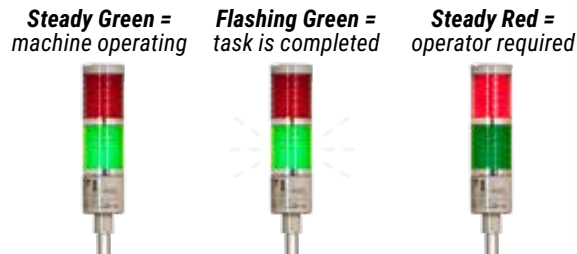
Most technicians mount and balance sequentially. First demounting and mounting all four tires, then balancing all four assemblies. The Revolution™ tire changer's new WalkAway™ mode frees the operator to balance assemblies while the Revolution™ demounts another tire – unattended – saving time and adding capacity.



Note: Machine times only. Not inclusive of tire/wheel transfer times.

The TCRH allows the operator to “walk away” during bead breaking and demounting process.

- ✓ Available for tires 2 through 4 in a set
- ✓ Status indicator lamp signals when the machine is in operation, stopped, or requires operator



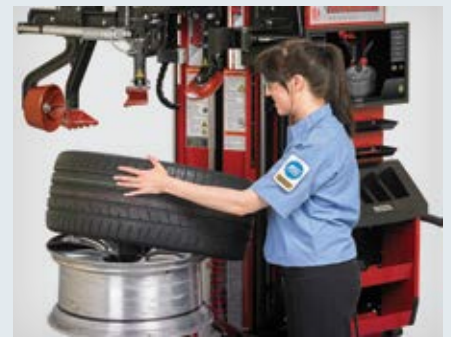
## Operator’s responsibilities when using WalkAway™ bead breaking and demount.



Load and unload the assembly



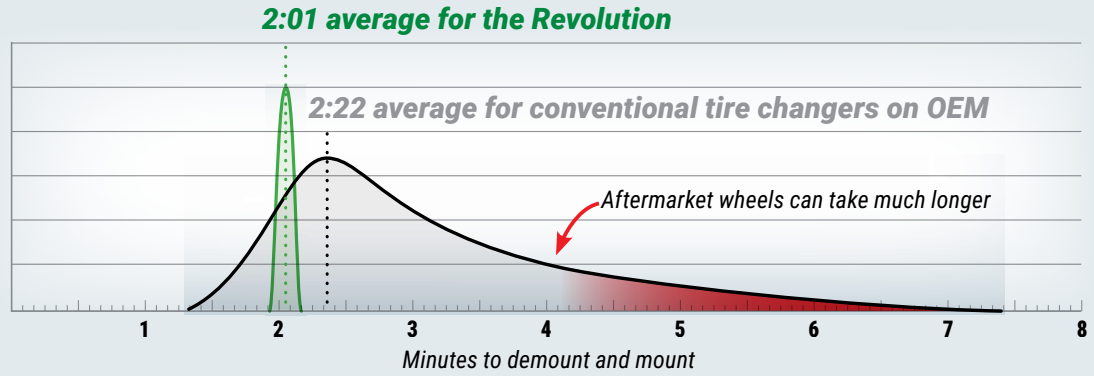
Orient TPMS and enable WalkAway™



Offload old tire



Hunter's Revolution™ tire changer handles virtually all tires in the same time eliminating cycle time variations.









Handles all tires in the same amount of time

## EQUALITY FOR ALL TIRES

Tire changing is an all day task, not a race for single tires. Assembly after assembly, the Revolution™ outpaces conventional equipment. The same fully automatic process for all tires means all tires take the same time.

### 15% time savings on today's tires

Time to service today's tires can be 15% faster, because tough tires don't faze the Revolution™. Add in WalkAway™ autonomous operation, and no tire changer is faster.

						
	OEM fitments <i>Modern</i>	Low profile (under 50 series)	Traditional	Heavy assembly (over 30" assembly)	Run flat	Large diameter (over 20" wheel)
Percent of Fitments	<b>37%</b>	<b>27%</b>	<b>14%</b>	<b>15%</b>	<b>7%</b>	
Old Equipment (skilled operator)	2:08	1:20	3:14	4:06	3:59	2:22 AVERAGE
Revolution™ (any operator)	2:00	1:56	2:00	2:07	2:10	2:01 AVERAGE

**15%**  
IMPROVEMENT

“ With the Revolution™ tire changer, we save about 15 minutes on a set of tires. It doesn't matter if they are low-profile tires, 22s, or truck tires, you are using the same amount of effort no matter what. ”



– Charles Sullivan, Service Technician,  
Eddy's Toyota, Wichita, Kansas

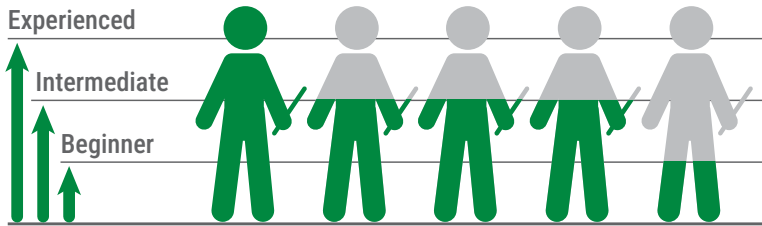
*Train all technicians to be equipment operators*

# ELIMINATE EXPERIENCE GAPS

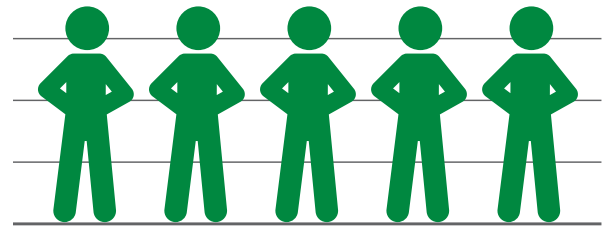
The Revolution™ can elevate your tire-changing team with differing experience levels to a team of experts.

On conventional tire machines, equipment is the tool and the technician is the tire changer.

The Revolution™ is the tire changer and the technician is an equipment operator.



*Experience makes the difference.*



*All experts in no time.*

## Simple decision-making process

With manual tire changing, the technician is constantly making critical decisions to successfully change a tire without damaging the wheel, the tire, the TPMS sensor, or even themselves.

**17** critical decisions for conventional tire changers

### Bead Breaking with Shovel

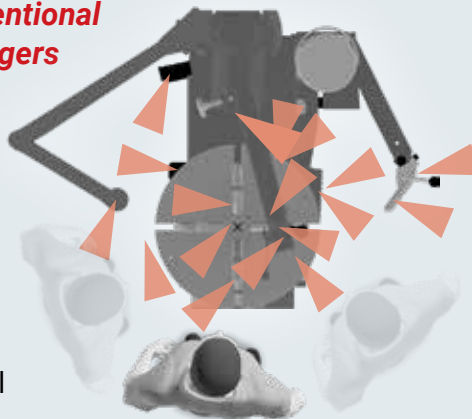
1. Avoid TPMS sensor
2. Set angle and position of shovel
3. Avoid rim

### Clamp

4. Inside or outside
5. Use jaw protectors or not
6. Position jaws as needed

### Demount

7. Set mount head
8. TPMS sensor position
9. Use lever protector or not
10. Reloosen bottom bead



### Mount

11. Position mount head
12. Over/under head
13. TPMS sensor position
14. Use press arms as needed
15. Keep tire turning with rim Inflation
16. Inflate, then check pressure
17. Repeat as needed

vs.

**4** critical decisions for the Revolution™



1. Select clamp size
2. Set TPMS sensor and rim diameter
3. Use press arms as needed
4. Set inflation pressure

**The Revolution™ only requires four key decisions from the operator.**

**New techs are productive faster and everyone works smarter.**

“ The Revolution™ Tire Changer has taken user error out of the process. My guys are able to change tires quickly and safely without putting their body through the ringer, as they would using a conventional machine. The Revolution™ Tire Changer requires minimal employee training compared to a conventional machine when changing high-end tires. ”



*– Brad Worley, CEO,  
Worley Tire, Harrison, Arkansas*



# REVOLUTION™ SPECIFICATIONS

**MADE IN USA**  
USING THE FINEST US & GLOBAL MATERIALS

Power requirements	208-230V, 1 phase, 60Hz, 24A, NEMA 30 amp plug, L6-30P, 5,520 watts
Air supply requirements	125 ± 25 psi (8.6 ± 1.7 bar)
Mount / demount tool	Polymer self inserting leverless
Clamping type	Center w/quick clamp
Bead loosening type	Upper / lower roller
Match mounting capable	Yes
Rim diameter range	12 in. – 30 in. (305 mm – 762 mm)
Maximum tire diameter	50 in. (1,270 mm)
Maximum wheel width	15 in. (381 mm)
Drive	Variable up to 15 rpm CW / CCW Torque: 875 ft-lbs (1186 Nm)
Shipping weight	1,856 lbs (842 kg)

Embrace  
opportunity,  
revolutionize  
your shop



## Model #: TCRH

Width	Height (top of unit)	Height (top of stack light)	Depth	Weight
50 in 1,272 mm	78.5 in 1,994 mm	86.0 in 2,185 mm	78 in 1,981 mm	1,856 lbs 842 kg

Because of continuing technological advancements, specifications, models, and options are subject to change without notice.



This product is listed to UL201  
Garage Equipment Standard by  
Intertek (ETL) Testing Laboratories.

Meets national electrical code  
requirements for electrically  
powered shop equipment.

## Your local Hunter team is ready to help

- ✂ Receive same- or next-day service
- 📞 Get a free quote or on-site demo
- 📖 Register for ASE-accredited training courses
- 🗨 General information and questions



Contact your local team

[hunter.com/contact](https://hunter.com/contact)



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