



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



Automatic features
and simple operation



Let the changer do the changing

REVOLUTIONIZE YOUR SERVICE

The Revolution™ tyre 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 tyre directly into position
- ✓ Built-in wheel lift reduces overall footprint



PATENTED

Powered press arms

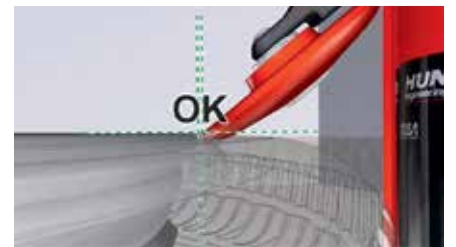
- ✓ Mount virtually any tyre
- ✓ Powered for maximum control



PATENTED

Leverless tool head

- ✓ Demounts without levers
- ✓ Prevents damage to tyre 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 tyre changer empowers shop technicians with ease of use – same procedure for all tyres and wheels means operator experience no longer a factor.



Embrace opportunity with...

POWERFUL, DYNAMIC FEATURES

Hunter's Revolution tyre 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 tyre slippage



PATENTED

Bead loosening rollers are damage free

- ✓ Bead loosening rollers work best for widest variety of tyres
- ✓ Procedure loosens even the most stuck on soft sidewall tyres
- ✓ 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 tyre 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 features

ADVANTAGES AT YOUR FINGERTIPS

ON-BOARD TRAINING:

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

MULTILINGUAL:

On-board training videos are available with translated captions in over a dozen languages providing technicians learning opportunities in their native language.



Revolution™ tyre changer software can toggle between designated primary and alternate display languages on the fly (any 2 of 28)

DASHCAM: Protect your investment by proving preexisting rim damage or incorrect operation.



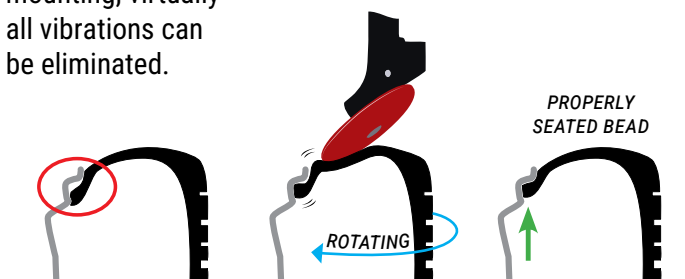
Revolution's on-board dashcam can help identify incorrect operation and verify proper work

PATENT PENDING

Bead massage

The Revolution™ tyre 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 tyre 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 tyre on the rim, helping to match-mount the stiffest point on tyre to the low spot on rim.



* (one or more tyres 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 tyres, 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 Tyre and wheel safety

Automatic procedure protects rim and tyre

H TPMS safety

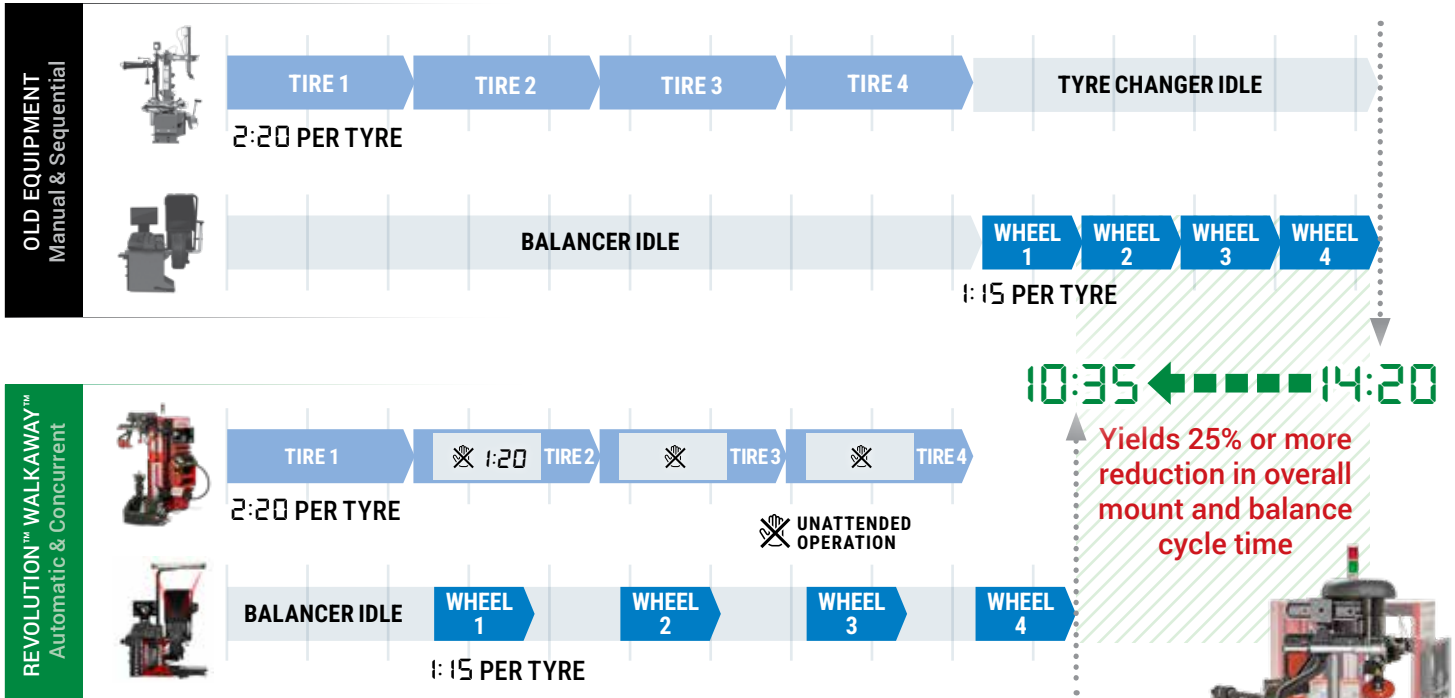
- ✓ Monitors TPMS location constantly
- ✓ Won't allow tyre to be mounted or demounted in unsafe TPMS location



WalkAway™ mode:

MULTI-TASK LIKE A PRO

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



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

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

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

Steady Green = machine operating

Flashing Green = task is completed

Steady Red = operator required



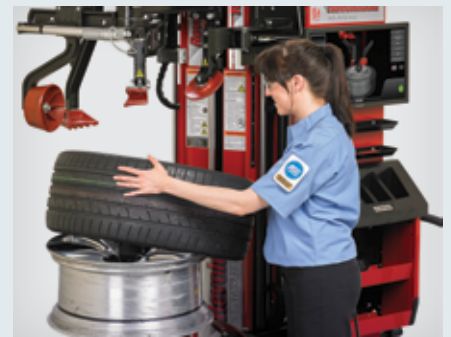
Operator's responsibilities when using WalkAway™ bead breaking and demount.



Load and unload the assembly

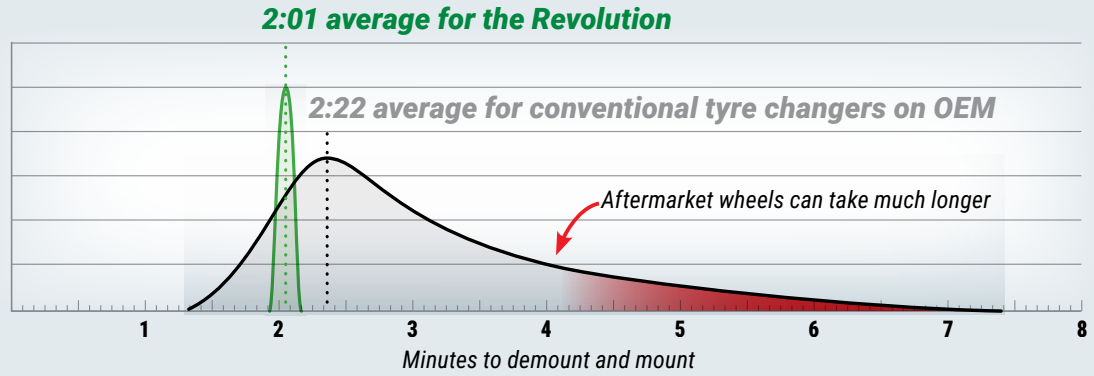


Orient TPMS and enable WalkAway™



Offload old tyre

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









Handles all tyres in the same amount of time

EQUALITY FOR ALL TYRES

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

15% time savings on today's tyres

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

						
	OEM fitments Modern	Low profile (under 50 series)	Traditional	Heavy assembly (over 30" assembly)	Run flat	Large diameter (over 20" wheel)
Percent of Fitments	37%	27%	14%	15%	7%	
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™ tyre changer, we save about 15 minutes on a set of tyres. It doesn't matter if they are low-profile tyres, 22s, or truck tyres, you are using the same amount of effort no matter what. ”



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

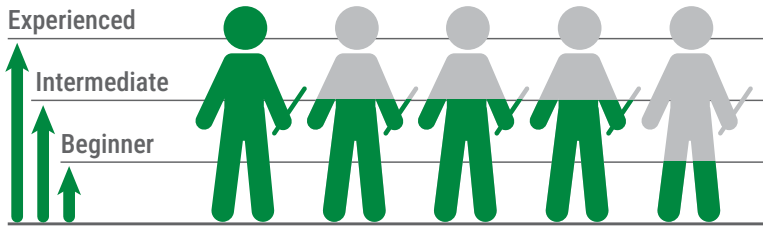
Train all technicians to be equipment operators

ELIMINATE EXPERIENCE GAPS

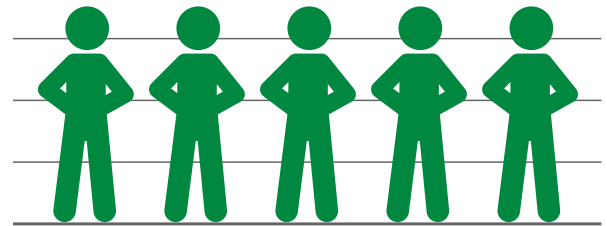
The Revolution™ can elevate your tyre-changing team with differing experience levels to a team of experts.

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

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



Experience makes the difference.



All experts in no time.

Simple decision-making process

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

17 critical decisions for conventional tyre changers

Bead Breaking with Shovel

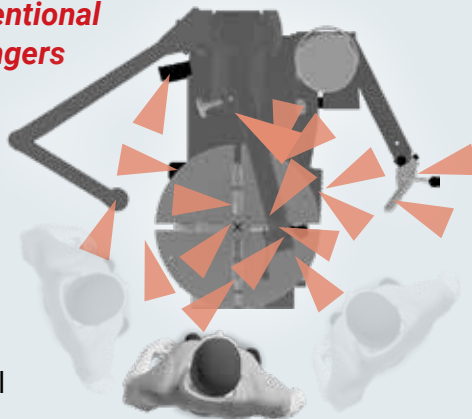
1. Avoid TPMS sensor
2. Set angle and position of shovel
3. Avoid rim

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



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



REVOLUTION™ SPECIFICATIONS

MADE IN USA
USING THE FINEST US & GLOBAL MATERIALS

Power requirements	TCRHE-216: 208-230V, 1Ph, 60Hz, 24A TCRHE-215: 208-230V, 1Ph, 50Hz, 24A TCRHE-435: 230/380V, 3Ph, 50Hz, 10/6A
Air supply requirements	8.6 ± 1.7 bar (125 ± 25 psi)
Mount / demount tool	Polymer head w/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 tyre diameter	1,270 mm (50 in.)
Maximum wheel width	381 mm (15 in.)
Drive	Variable up to 15 rpm Clockwise/Counter Clockwise; Torque: 875 ft-lbs (1186 Nm)
Shipping weight	842 kg (1,856 lbs)

Embrace opportunity, revolutionize your shop



Model #: TCRH

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

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 Hunter distributor is ready to help

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