Revolution™ Tire Changer
WalkAway™ Operation Adds Capacity

NEW 4TH GENERATION!

HunterNet® Connectivity
Key features at a glance

**PATENT PENDING**
**WalkAway™ Operation**
- 80-second unattended bead breaking and demounting process
- When paired with wheel balancing, 25%+ time savings is possible
- 57% less time spent changing a tire using WalkAway™

**PATENT PENDING**
**Automatic Adds Simplicity**
- Same procedure for all tires and wheels
- Operator experience no longer a factor

**PATENTED**
**Leverless Tool Head**
- Demounts without levers
- Prevents damage to tire and rim

**PATENT PENDING**
**“Go” Pedal Controls Operation**
- Press “Go” to make selection
- Hold “Go” to advance procedure
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

EXCLUSIVE

Animations & Videos

✔ Animations train operator “on the job”
✔ Video training for new users
✔ Video library of special procedures
Automatic and autonomous operation saves time,

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

WalkAway™ Mode

Steady Green — machine operating
Flashing Green — tasks completed
Steady Red — operator required
Automatic and autonomous operation saves time, effort, and mistakes.

The Operator’s Responsibilities When Using WalkAway™ bead breaking and demount.

- Load and unload the assembly
- Orient TPMS and enable WalkAway™
- Offload old tire
Fully automatic adds safety

**Position Safety**
- Operator stands back and lets machine do the work

**Leverless Safety**
- No levers to hit operator
- Automatic press arms replace using levers for mounting

**Power and Clamping Safety**
- Operator’s hands stay away from the assembly
- No pinch points
- No risk of rim slipping

**Wheel Lift Safety**
- Protects operator’s back
- No need to lift heavy assemblies

**TPMS Safety**
- Monitors TPMS location constantly
- Won’t allow tire to be mounted or demounted in unsafe TPMS location

**Inflation Safety**
- Inflation station algorithm fills to set pressure automatically — not necessary to stand on foot pedal to inflate
- Inflation controls keep operator away from assembly

**Tire and Wheel Safety**
- Automatic procedure protects rim and tire
- All rim contact, or near rim contact, is plastic
The Revolution™ can elevate your tire-changing team with differing experience levels to a team of experts.

**Conventional Tire Changer**

*Equipment is the tool and the technician is the tire changer.*

- Experienced
- Intermediate
- Beginner

*Experience makes the difference.*

**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

**Revolution™ Tire Changer**

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

**All experts in no time.**

**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
**Fully automatic saves time**

Tire Changing is an all day task, not a race for single tires. Assembly after assembly, the Revolution™ outpaces conventional equipment.

---

**WalkAway™ mode adds capacity**

**NEW**

**OLD WAY**

Manual & Sequential

- Tire 1
  - 2:20 per tire
- Tire 2
  - 2:20 per tire
- Tire 3
  - 2:20 per tire
- Idle

**REVOLUTION™ WALKAWAY™**

Automatic & Concurrent

- Tire 1
  - 2:20 per tire
- Tire 2
  - 1:20 per tire
- Tire 3
  - 1:15 per tire
- Wheel 1
  - Idle
- Wheel 2
  - Unattended Operation

---

**Eliminate Cycle Time Variation**

The Revolution™ handles virtually all tires in the same time.

- 2:01 average for the Revolution
- 2:22 average for conventional tire changers on OEM
- Aftermarket wheels can take much longer

---

**Fully automatic saves time**

57% less time spent changing a tire using WalkAway!
Most technicians mount and balance sequentially. First demounting and mounting all four tires, then balancing all four assemblies. The Revolution™ tire changer’s new walk-away mode, frees the operator to balance assemblies while the Revolution™ demounts another tire — unattended — saving time and adding capacity.

### OEM Fitments

<table>
<thead>
<tr>
<th>OEM Fitments</th>
<th>Modern (under 50 series)</th>
<th>Traditional</th>
<th>Heavy assembly (over 30” assembly)</th>
<th>Run flat</th>
<th>Large diameter (over 20” wheel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent of Fitments</td>
<td>37%</td>
<td>27%</td>
<td>14%</td>
<td>15%</td>
<td>7%</td>
</tr>
<tr>
<td>Old Equipment</td>
<td>2:08</td>
<td>1:20</td>
<td>3:14</td>
<td>4:06</td>
<td>3:59</td>
</tr>
<tr>
<td>Revolution™</td>
<td>2:00</td>
<td>1:56</td>
<td>2:00</td>
<td>2:07</td>
<td>2:10</td>
</tr>
</tbody>
</table>

### Percent of Fitments

<table>
<thead>
<tr>
<th>Fitments</th>
<th>37%</th>
<th>27%</th>
<th>14%</th>
<th>15%</th>
<th>7%</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM Modern</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEM Traditional</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEM Heavy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEM Run</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEM Large</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Old Equipment (skilled operator)

| OEM Modern      | 2:08 | 1:20 | 3:14 | 4:06 | 3:59 | 2:22 |
| OEM Traditional |     |     |      |      |      |      |
| OEM Heavy       |     |     |      |      |      |      |
| OEM Run         |     |     |      |      |      |      |
| OEM Large       |     |     |      |      |      |      |

### Revolution™ (any operator)

| OEM Modern      | 2:00 | 1:56 | 2:00 | 2:07 | 2:10 | 2:01 |
| OEM Traditional |     |     |      |      |      |      |
| OEM Heavy       |     |     |      |      |      |      |
| OEM Run         |     |     |      |      |      |      |
| OEM Large       |     |     |      |      |      |      |

### Percent of Fitments

<table>
<thead>
<tr>
<th>Fitments</th>
<th>37%</th>
<th>27%</th>
<th>14%</th>
<th>15%</th>
<th>7%</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old Equipment</td>
<td>2:08</td>
<td>1:20</td>
<td>3:14</td>
<td>4:06</td>
<td>3:59</td>
<td>2:22</td>
</tr>
<tr>
<td>Revolution™</td>
<td>2:00</td>
<td>1:56</td>
<td>2:00</td>
<td>2:07</td>
<td>2:10</td>
<td>2:01</td>
</tr>
</tbody>
</table>

### Improvement

Old Equipment (skilled operator) average time: 2:22
Revolution™ (any operator) average time: 2:01

15% improvement

**Yields 25% or greater reduction in overall mount and balance cycle time**
FULLY AUTOMATIC SIMPLIFIES TRAINING

Technique is no longer a requirement for tire changing — learn on one tire and apply same skills to all tires.

The old push here, pull there technique learned through making mistakes and busted knuckles no longer applies. On the Revolution™, the same process learned for one tire assembly applies to all tire assemblies.

Three Ways to Train:

The “Walk Me Through It” Mode

✓ Animation details each step
✓ 13 unique animations
✓ Can be bypassed by experienced operator

25 On-board videos

Including:

✓ Basic operation
✓ Detailed operations
✓ Special procedures
✓ Accessories

STANDARD

Camera Monitors Operations

✓ Identify incorrect operation
✓ Verify proper work
✓ Protect your investment
The display shows the operator’s current step and monitors progress. Interactions with screen are generally not required. When needed, slide out menus guide the operator through procedure.

**Procedure Wheel**

**Step “Slide-Out” Menu**

**Navigation Menu to Other Screens and Functions**

**Context-Specific**

**Graphic**

**Operator Instructions**

**Realtime**

**Active Display**

**On-the-Fly**

**Language Switching**

**Inflation Control Tab**

---

**NEW HunterNet® Capable**

New Revolution™ tire changers are HunterNet® capable. Tire changers with wired internet connections will be able to:

- ✔ Report usage data*
- ✔ Populate trend reports*
- ✔ Log individual tire changes including before and after photos*

* Pending future build out of HunterNet® portal
Powerful Dynamic Features

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

**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 advantages**

- Demounting hook automatically deploys to catch and lift bead
- No risk of lever damage to operator or rim

- Demount hook always avoids TPMS sensor — no risk of damage
- Mount 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.
**Fast inflation saves time**

Inflation station automatically fills tire to desired pressure.

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

**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
Reduce comebacks and do it right the first time

PATENTED

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 tire on rim, helping match-mount stiffest point on tire to low spot on rim.

PATENT PENDING

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

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

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

50% of tire sets are significantly improved using bead massage*

*Bead is sealed, but not completely seated

Bead massage

PROPERLY SEATED BEAD

7 lbs. reduction (avg.)

* (one or more tires has 7 lbs reduction)
# Standard Accessories

The standard Revolution™ tire changer comes equipped to handle virtually all tire and wheel combinations.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>RP6-3784</td>
<td>Paste</td>
</tr>
<tr>
<td>B</td>
<td>RP6-1506</td>
<td>Paste brush</td>
</tr>
<tr>
<td>C</td>
<td>69-1394-2</td>
<td>Pin protector (2)</td>
</tr>
<tr>
<td>D</td>
<td>221-759-2</td>
<td>Valve core remover</td>
</tr>
<tr>
<td>E</td>
<td>221-659-2</td>
<td>Bead starting tool</td>
</tr>
<tr>
<td>F</td>
<td>RP11-2020688</td>
<td>Valve puller</td>
</tr>
<tr>
<td>G</td>
<td>192-233-1</td>
<td>In-between cone (2)</td>
</tr>
<tr>
<td>H</td>
<td>192-225-1</td>
<td>Small polymer cone (2)</td>
</tr>
<tr>
<td>I</td>
<td>192-226-1</td>
<td>Double-sided polymer cone (2)</td>
</tr>
<tr>
<td>J</td>
<td>111-154-1</td>
<td>Spare roller</td>
</tr>
<tr>
<td>K</td>
<td>179-15-2</td>
<td>Glasses</td>
</tr>
<tr>
<td>L</td>
<td>221-713-2</td>
<td>Polymer mount head (2)</td>
</tr>
<tr>
<td>M</td>
<td>69-1392-2</td>
<td>Rubber platten cover (2)</td>
</tr>
</tbody>
</table>

**Flange plate kit** 20-3158-1

Ideal for plastic clad wheels or reverse wheels where maximum protection is needed. Maximum diameter 240 mm.

---

# Additional Accessories

The following options can be used to enhance serviceability of specialized applications.

**Flange plate accessory pin kit** 20-3675-1

For wheels with extreme lug hole and lug depth variances.

**Dual wheel adaptor** 20-2964-1

Optional adaptor adds clamping capability for dual wheels, 19.5 in. wheels and other wheels with large center holes.

**Thick bead kit** 20-3160-1

Wider hook for thicker beads. Suitable for skid steer, load range G-H-J-tires. Plus, reverse wheel plate for 19.5- and 17.5-in. rims.
### 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)

---

### Specifications
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 — 1st for an electric tire changer!

TCRH Revolution™

Revolution™ is space efficient for a premium changer.

Premium Changer
Other popular premium tire changers are larger.

Typical Tabletop
Even simple conventional changers are larger than they appear when work area is factored.

### Footprint Comparison

<table>
<thead>
<tr>
<th>Width (W)</th>
<th>Height (H1)</th>
<th>Height (H2)</th>
<th>Depth (D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 in</td>
<td>78.5 in</td>
<td>86.0 in</td>
<td>78 in</td>
<td>1,856 lbs</td>
</tr>
<tr>
<td>1,272 mm</td>
<td>1,994 mm</td>
<td>2,185 mm</td>
<td>1,981 mm</td>
<td>842 kg</td>
</tr>
</tbody>
</table>

---

Footprint Comparison:

- **32 sq. ft.**
- **70”**
- **66”**

- **42 sq. ft.**
- **78”**
- **76”**

- **39 sq. ft.**
- **78”**
- **59”**

---

www.hunter.com