



Model	Description	SKU
R980AT	Swing-Arm Tire Changer with Assist Tower	5140265
R980ATF	Swing-Arm Tire Changer with Assist Tower / <b>Variable High-Speed</b> <u>R980ATF requires 208-230V, 50/60HZ, 1-phase power supply.</u>	5140270



### Designed to Perform and Built to Last

The Ranger R980AT and R980ATF, a variable high speed model, perform masterfully on a wide variety of wheels, including virtually all OEM configurations and performance tire and wheel configurations. The R980AT features the latest in design and wheel service technology and provides the best value and performance in its class. The R980AT tire changer is easy to operate, rugged, and equipped with a power assist tower to help when mounting low-profile performance tires. The powerful motor and gear box works systematically at a controlled speed for easy tire removal and installation. Ergonomic controls are sensibly placed to minimize excessive reaching, walking, or bending resulting in more jobs per day and increased profits. Large, storage trays provide ample space for weights, tools and accessories.

### FEATURES:

- A new **high-torque electric turntable** drive features increased speed and reversible direction for quicker tire removal and installation. Controlled speed gives low profile and run-flat beads time to relax to reduce the risk of tire damage.
- **Traveling Drop-Center Top-Mount Helper / Swing-In Bottom Helper Disc** – A powerful pneumatic drop-center tool dramatically reduces the effort required to change tough-sidewall tires. Workers can concentrate on working safer and more efficiently. Holds run-flat and low-profile sidewalls in the drop-center then follows the bead around as the tire mounts. A “swing-in” bottom disc can be used to re-loosen stubborn bottom beads or provide lift and support for wide or heavy tires.
- **Improved electric motor** features the best of proven technologies, including rugged copper rotor construction, stronger high-quality ball bearings, thermal-cool epoxy insulation, and durable rolled steel frames. All motors are 110-208/230V and 50-60 hertz capable.
- The **R980ATF** model features **true variable speed control** allowing operators to match turntable rotational speed with varied tire and wheel combinations. R980ATF requires 208-230V, 50/60HZ, 1-phase power supply.
- Up front controls and a sensible ergonomic design provide ease of use and more efficient operation.
- **Stainless-steel and aluminum pneumatic cylinders** are designed to reduce machine vibration and provide low-friction and long life operation. Internal end-of-stroke cushions are standard that help provide cushioning at the end of each full stroke to reduce wear on seals, wear band and piston rod.
- A balanced flywheel helps the machine run smoothly, reduces vibration, and helps minimize associated stress on other machinery components.
- A completely new and proprietary **bead-breaker design** features bilateral pneumatic accelerators for lightning **fast bead-breaker speeds** in both directions. A 100% stainless-steel cylinder body means no more worrying about moisture contamination from corrosion due to air source condensation. Other exclusive design features include a **multi-axis, adjustable blade** for multi-angle tire capacity, a large, dual-flange axle that eliminates blade flex and premature failure, and **adjustable blade settings** that help accommodate a larger variety of tire and wheel combinations.
- **Enhanced bead breaker arm** features rugged box frame construction that increases the mechanical strength and assures years of dependable service and performance. A **large rubber bump-stop** assures smooth return to help reduce shock loading and minimize wear on pneumatic cylinder, guides and associated moving parts.
- A hardened **alloy steel mount and demount head has a unique** equidimensional shape with micro-smooth tool head surface that glides tire beads effortlessly during mounting and demounting procedures.
- All **R980** models feature a flip-down bead restraint device that keeps stubborn upper beads correctly positioned down below the mounting head during difficult tire mounting procedures.



- Industrial-grade, 45-micron, **pneumatic control valves** feature die cast and machined bodies constructed from zinc and aluminum. High-performance polyurethane seals and self-lubricating, Teflon® piston guides provide increased service life and performance at the highest level possible within almost every imaginable working condition. Valve plungers feature muffled extrication ports that direct any dirt or contamination accumulated on the outside perimeter of the spool to be automatically blown away each time the valve goes into the release position.
- Dual-position, hardened-steel **RimGuard™ wheel clamps** offer a wider range of wheel clamping capacity covering wheel sizes 10" – 25". Internal and external multi-teeth jaws accommodate internal or external wheel clamping capability.
- A **geometric tabletop** provides for easier bead lubrication and allows operators to make visual inspections of the lower bead during mounting and inflation procedures.
- Durable **forged steel (instead of cast iron) foot pedal levers** will stand up to everyday use and abuse in high-volume tire centers. Snap action spring return means precise and controlled operation.
- Foot pedal control valves feature **multi-link rod connections** for non-binding plunger movement and precise bilateral control.
- Ranger Next Generation™ tire changers feature **high pressure polyurethane pneumatic tubing with** mirror smooth seamless bore for exceptional flow rates, high abrasion resistance, high burst tolerance and maximum kink resistance.
- Ranger tire changers feature the renowned **TurboBlast™ bead seating system\*** that blasts a powerful air burst between the tire and rim to help seat stubborn beads fast. A durable, non-marring nylon discharge barrel features a contoured tab that locks securely on the edge of the rim for better control during air discharge between the tire and wheel. A welded-steel, eight-gallon surge tank is larger than competitive models for all the inflation power you need, when you need it.
- A newly designed, **maintenance-free gearbox** features a large oil and grease reservoir that helps provide efficient heat dissipation and improved lubrication for longer service life. Internal baffles and a constant seating stress flange gasket assure positive, leak-free venting. The rugged gearbox enclosure is precision milled for precise alignment of horizontal and vertical bases and features precision helical gears that operate much more smoothly and quietly than typical spur gear transmissions.
- Important **wheel service accessories** come standard like a large soap bucket with brush and a multi-piece plastic **wheel protector kit** that includes turntable jaw covers, bead-breaker blade boots and specialized mount / demount head covers to help protect delicate wheels.
- We throw in a hardened steel **tire iron and bead lever tool** to assist during all tire mounting and demounting operations.
- All main-lead **electrical terminals, auxiliary switches, and motor enclosures are sealed** for air-tight, dust-free and contamination-proof protection of terminal leads.
- **Specially engineered drive-belt** features convex sidewalls to distribute wear evenly while providing proper belt support for improved service life. Flex-bonded cords and flex-weave covers resist the effects of oil, heat, ozone, weather and aging.
- A rigid **45mm spring assist hexagonal vertical tool shaft** combined with a hardened-steel horizontal outrigger support arm maintains perfect position of the mount-demount tool head during all tire service procedures to reduce the chance of expensive wheels getting damaged.
- A simple to use **tire inflator features foot-pedal operation** and inflation hose with a sure-grip clip-on valve chuck enabling hands-free operation. Integrated air pressure dump valve enables you to lower tire pressure with a simple push of a button.
- Optional motorcycle turntable clamps add a whole extra level of versatility. Expand your capabilities, clientele and your bottom line.



FEATURES / SPECIFICATIONS	MODEL R980AT	MODEL R980ATF
Type of Drive System	Electric / Air	Electric / Air / <b>Variable High Speed</b>
Motor	2 HP (110/208-240V, 50-60 HZ)	2 HP ( <b>208-240V, 50-60 HZ, 1-Phase Only</b> )
Air Requirement	140-165 PSI (10-11 BAR)	140-165 PSI (10-11 BAR)
Wheel Clamping Method	4 Clamps - Internal / External	4 Clamps - Internal / External
Table Clamping System	Dual Pneumatic Cylinders	Dual Pneumatic Cylinders
Bead Breaking System	Pneumatic Blade / Dual Settings	Pneumatic Blade / Dual Settings
Power Assist Towers	Single Assist Tower	Single Assist Tower
Tool Holder	Manual Lock	Manual Lock
Inflation Gauge With Integrated Air Dump Valve	Standard	Standard
Inflation Pressure Regulator/Limiter	Standard	Standard
Water Filter	Standard	Standard
Oiler / Lubricator	Standard	Standard
Air Regulator	Standard	Standard
Breaker Bar	Standard	Standard
Large Soap / Lubricator Bucket	Standard	Standard
Brush	Standard	Standard
Tower Design	Rigid Fixed / Swing Arm	Rigid Fixed / Swing Arm
Bead Lifting Roller(s)	Single Lifting Roller	Single Lifting Roller
Upper Bead Assist Roller	Standard	Standard
Traveling Drop-Center Hold Down Device	Standard	Standard
Inflation Restraint Device	Standard	Standard
Bead Seating System	Turbo Blast / Bead Seating	Turbo Blast / Bead Seating
Tool Tray / Bin Storage	Standard	Standard
Motorcycle Turntable Clamps	Optional	Optional
Internal Rim Clamping Capacity (Outer Position)	11.5" – 24" ( 292 mm - 610 mm)	11.5" – 24" ( 292 mm - 610 mm)
External Rim Clamping Capacity (Outer Position)	10" – 22" (254 mm - 559 mm)	10" – 22" (254 mm - 559 mm)
Internal Rim Clamping Capacity (Inner Position)	13" – 25-1/2" ( 330 mm - 647 mm)	13" – 25-1/2" ( 330 mm - 647 mm)
External Rim Clamping Capacity (Inner Position)	11-1/2" – 23-1/2" (292 mm - 597 mm)	11-1/2" – 23-1/2" (292 mm - 597 mm)
Turntable Tire Width Capacity (Mounting)	3" – 15" (76 mm – 381 mm)	3" – 15" (76 mm – 381 mm)
Bead Breaker Tire Width Capacity (Demounting)	2" – 15" (51 mm – 381 mm)	2" – 15" (51 mm – 381 mm)
Maximum Tire Diameter	50" (1270 mm)	50" (1270 mm)
Shipping Weight	742 lbs. (336 Kg)	751 lbs. (341 Kg)