# MORE

## SPEED • HORSEPOWER • TORQUE

## R980XR Tire Changer

208-240V SKU# 5140146

**R980XR-L**

110V SKU# 5140238

TIRE SHOP APPROVED TESTED

SWING-ARM

1-800-253-2363 • www.BendPak.com

Ranger®

# ENHANCED FEATURES

## Adjustable RimGuard™ Wheel Clamps

Ranger's trademark wheel clamps extend 10" – 34" and feature internal and external multi-teeth jaws.

## Advanced Clamp Positioning

Variable clamp positioning makes wheel service simple, perfectly controlling the wheels when clamping them. Operators have the freedom to freely and precisely position clamps within the entire clamping range. There's no need for the clamps to cycle the full range.

## Easier Bead Lubrication

A rigid, 45 mm spring-assisted 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.

## Power-Controlled Bead Loosener

All moving parts feature maintenance-free linear guide bearings for easy adjustment of both vertical and horizontal wheel settings. The non-flex horizontal arm also features a hardened lower roller guide for smooth and controlled in-and-out movement. Integrated rubber bump-stops ensure smooth return during tilt-back operations to help reduce shock loading and minimize wear on tower guides and moving parts.

## Adjustable Bead Loosener Shovel Blade

A multi-axis and adjustable bead loosener shovel blade helps accommodate a larger variety of tire and wheel combinations.

## Enhanced Bead-Breaker Arm

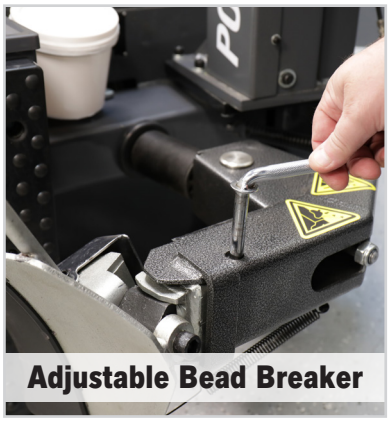
The tire changer's arm features a rugged box frame construction that increases strength and ensures years of dependable service and performance.

## TurboBlast™ Bead Seating

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.

Polymer & Urethane RimGuard™ Wheel Clamps

Advanced Clamp Positioning

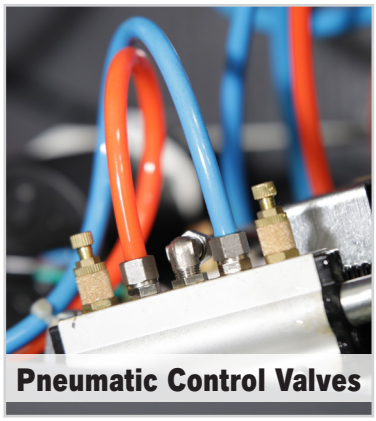


Adjustable Bead Breaker

TurboBlast™ Bead Seating

Maintenance-Free Gearbox

Updated Electric Motor


Pneumatic Control Valves

Simple Foot-Pedal Control

## Maintenance-Free Gearbox

A 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 ensure 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. The rugged housing provides maximum strength for extreme durability under hard working conditions and greater precision under load during worm and gear alignment.

## Updated Electric Motor

Improved electric motor features the best of proven technologies, including rugged copper rotor construction, high-quality bearings, thermal-cool epoxy insulation and durable rolled steel frames.

## Guide Bearings For All Moving Parts

All moving parts feature maintenance-free linear guide bearings for easy adjustment of both vertical and horizontal wheel settings. The non-flex horizontal arm also features a hardened lower roller guide for smooth and controlled in-and-out movement. Integrated rubber bump-stops ensure smooth return during tilt-back operations to help reduce shock loading and minimize wear on tower guides and moving parts.

## Pneumatic Control Valves

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.

## Simple Foot-Pedal Control

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.

# STREAMLINED DESIGN

## R980XR FEATURES

TIRE SHOP APPROVED TESTED

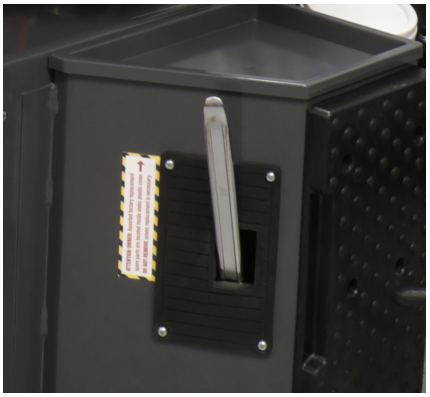
- Swing Control
- Swing-Arm
- Storage Cabinet
- TurboBlast™ Bead Seating
- Alloy-Steel Mount & Demount Head
- Adjustable RimGuard™ Wheel Clamps
- High-Torque Electric Turntable
- POWERFUL HIGH 3 HP SPEED 220V MOTOR
- Inflation Pedal
- Adjustable Bead Breaker
- Simple Foot-Pedal Controls
- Tire Iron

# STANDARD ACCESSORIES

**Adjustable Wheel Clamps**

**Lubricator Bucket & Brush**

**Tire Iron**



# OPTIONAL ACCESSORIES

**Plastic Tool Head**
#5150523

- Helps protect expensive alloy wheels
- Must have mount-demount head flange adapter. Not included.

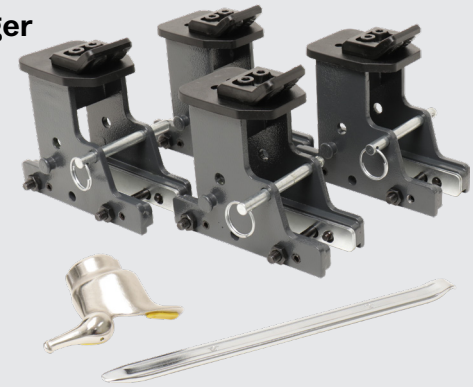
**Mounting Flange**
#5150524

- Hardened steel
- Includes all mounting hardware
- Requires plastic tool head

**Wheel Protection Kit**
#5150535

- (3) roller replacement inserts
- (3) mount-demount head underside slides
- (4) turntable clamp covers
- (2) bead breaker blade covers

**ATV Changer Clamps Kit**
#5328425

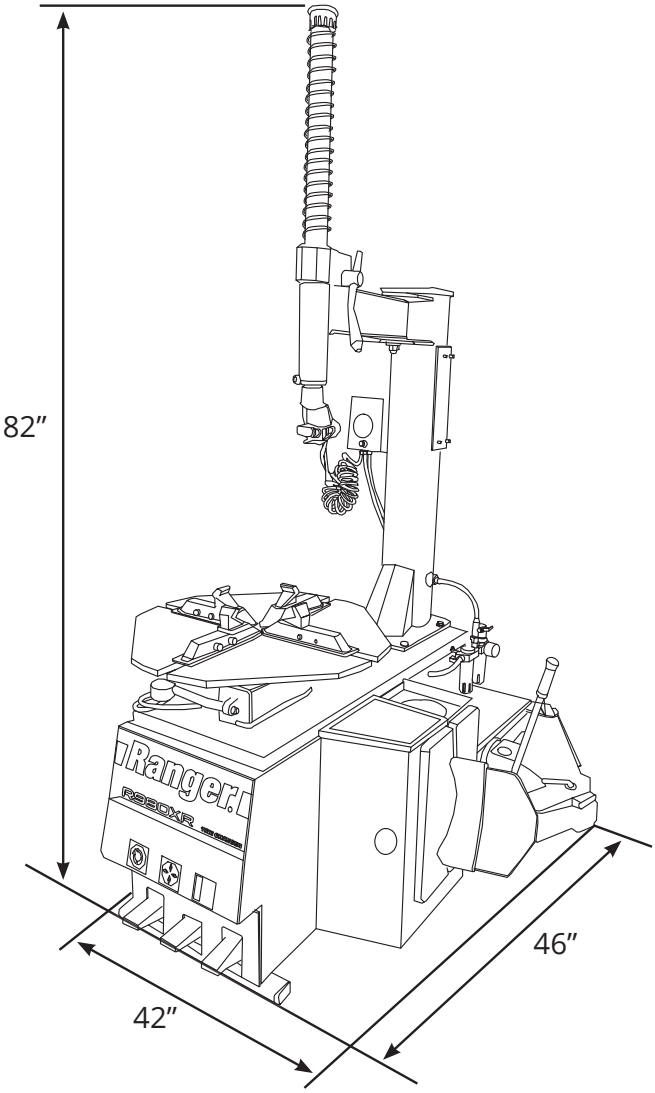


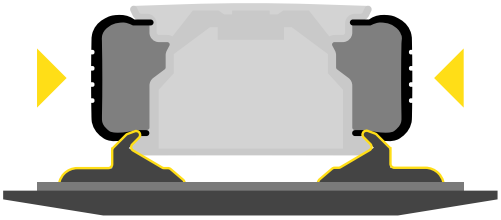
- Perfect for motorcycle and ATV wheels
- Raises external wheel clamping elevation

# SPECIFICATIONS

| Model | R980XR Swing-Arm | R980XR-L Swing-Arm |
|---|---|---|
| SKU | 5140146 | 5140238 |
| Voltage | 208-240V, 50-60hz, 1 Ph* | 110V, 50-60hz, 1 Ph* |
| Min. Air Requirements | 15 CFM, 165 PSI | |
| Inside Wheel Clamping Range | 10" - 30" (254 mm - 762 mm) | |
| Outside Wheel Clamping Range | 9" - 28" (229 mm - 712 mm) | |
| Turntable Tire Width Capacity | 4" - 18" (102 mm - 457 mm) | |
| Maximum Tire Diameter | 50" (1,270 mm) | |
| Dimensions | 42" (1,067 mm) W x 46" (1,168 mm) D x 82" (2,083 mm) H | |

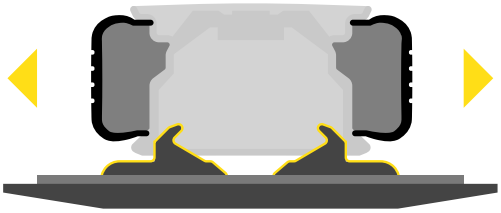
*Note: Standard electrical configurations shown. Additional voltage options available upon request.



**Outside Wheel Clamping Range**

9 - 28" (229 - 712 mm)



**Inside Wheel Clamping Range**

10 - 30" (254 - 762 mm)

**Maximum Tire Diameter**

50" (1,270 mm)

**Disclaimer:** Specifications, features, and options are subject to change without notice. Illustrations may show optional equipment or accessories sold separately. Maximum wheel sizes, weights, and capacities are approximate and may vary depending on wheel type, condition, and application. Always follow manufacturer guidelines and local safety regulations when operating equipment.



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# DON'T LET THE PLUG MAKE THE DECISION.

Discover why investing in **220V pays dividends** everyday your tire changer is in service.

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# POWER. PRECISION. PERFORMANCE.

## DISCOVER THE **220-VOLT ADVANTAGE**

### *Built for Professional Workloads*

In a busy tire shop, there's no time for equipment that can't keep up. Cars are waiting. Bays are full. Technicians are moving. And the next set of wheels is already headed your way.

*That's where 220V tire changers earn their keep.*

More turntable speed gets jobs moving faster. Greater starting torque gets heavy wheel and tire assemblies moving with authority. More continuous torque keeps them moving when the work gets tough. And when a stubborn tire pushes back hard enough to stop the show, increased Locked Rotor Torque brings the muscle to get things moving again.

For professional shops where tire service is a major part of the business, those performance gains aren't just numbers on a spec sheet. They add up to faster cycles, fewer interruptions and more vehicles moving through the shop.

### *More Speed. Less Waiting.*

Every second matters when there's a line of vehicles waiting outside. Ranger 220V tire changers deliver a *15.4% Gain in Turntable RPM* accelerating mounting and demounting cycles to help technicians move efficiently from one wheel to the next.

**15.4% GAIN IN TURNTABLE RPM**

Saving a few seconds on one tire might not sound like much. But multiply that across four tires per vehicle, dozens of vehicles and thousands of tire changes over the course of a year. Suddenly, a few seconds aren't so small.

Faster turntable rotation helps keep work flowing through the bay, reducing cycle times and helping technicians maintain momentum during the busiest parts of the day.

More tires serviced. Shorter turnaround times. More opportunities to get another vehicle through the door.

### *Strong Starts Build Faster Finishes*

Getting a heavy wheel and tire assembly moving takes muscle.

The greatest demand on an electric motor occurs during startup, when the machine has to overcome inertia and bring the entire assembly from a dead stop into rotation.

Ranger 220V tire changers deliver *26.4% greater Starting Torque*, helping the turntable accelerate quickly and confidently.

That extra muscle becomes especially valuable when oversized wheels, run-flat tires, stiff sidewalls and heavier assemblies hit the turntable.

**26.4% GREATER STARTING TORQUE**

Modern performance cars, SUVs, EVs and light trucks continue to push wheel and tire designs in bigger, heavier and more demanding directions. Greater Starting Torque gives technicians the power to meet those challenges head-on.

No hesitation. No struggling to get up to speed. Just confident power from the moment the pedal goes down.

### *220V Tire Changers*

**R76ATR, 220V, GR-YEL**
SKU **5140140**
Tilt Back Tire Changer / Single-Tower / 208-240V, 1-Ph., 50/60hz

**R980DP, 220V, GR-YEL**
SKU **5140174**
Swing-Arm Tire Changer W/Dual Assist / 208-240V, 1-Ph., 50/60hz

**R980XR, 220V, GR-YEL**
SKU **5140146**
Swing-Arm Tire Changer / 208-240V, 1-Ph., 50/60hz

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# POWER. PRECISION. PERFORMANCE.

## DISCOVER THE **220-VOLT ADVANTAGE**

### *Power That Doesn't Let Up*

Starting strong is only half the battle. Once that wheel is moving, the tire changer needs enough muscle to keep it moving as resistance changes throughout the job. That's where Rated Torque comes in.

Rated Torque is the continuous working force available during normal operation. Ranger 220V tire changers deliver an impressive *42.5% gain in Rated Torque*, providing significantly greater pulling power throughout the tire-changing process.

When stiff sidewalls and demanding tire designs start fighting back, that extra torque helps the turntable maintain rotation instead of bogging down.

**42.5% GAIN IN RATED TORQUE** For a technician, that means smoother operation and fewer interruptions.

For a high-volume shop, it means equipment that can keep working from the first appointment of the morning to the last vehicle of the day.

### *Continuous power for continuous productivity.*

Every technician eventually meets a tire that doesn't want to cooperate. Maybe it's an ultra-low-profile performance tire. Maybe it's a stiff run-flat. Maybe it's a heavy-duty tire and wheel combination putting serious resistance against the turntable.

Whatever the reason, sometimes the turntable stops.

*That's when Locked Rotor Torque matters.*

POWERFUL HIGH 3 HP SPEED 220V MOTOR

Locked Rotor Torque measures how much torque a motor can produce from a complete stop while under maximum load. Ranger 220V tire changers deliver *27.6% greater Locked Rotor Torque*, providing extra muscle to overcome resistance and get the turntable moving again.

**27.6% GREATER LOCKED ROTOR TORQUE** Instead of stopping the job, backing up, repositioning and making another attempt, technicians have more torque available right when the machine is working its hardest.

Fewer stalled rotations. Fewer interrupted cycles. Less time fighting the tire.

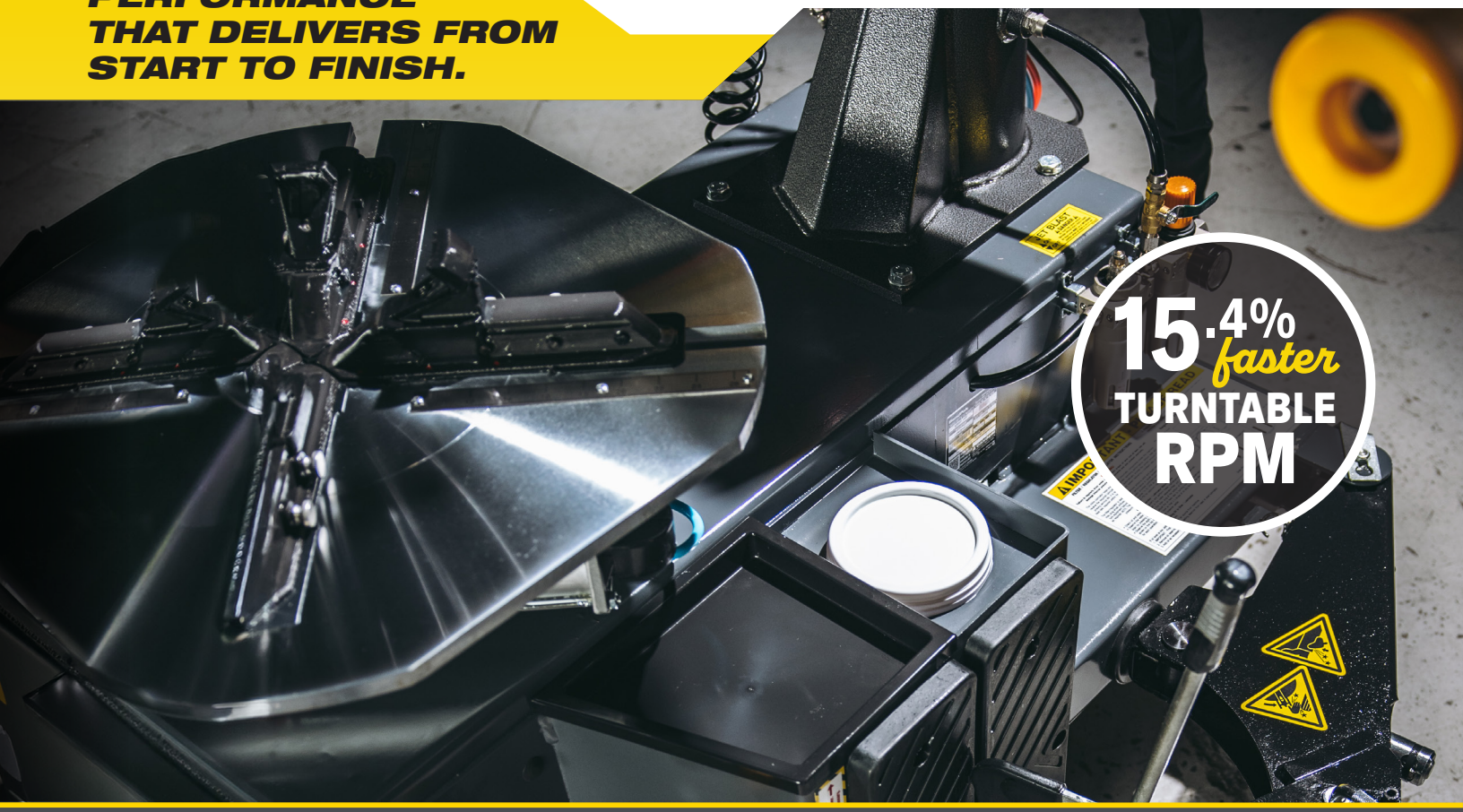
### *More torque when you need it most.*

Put all four performance gains together and the advantage becomes clear.

- *26.4% greater Starting Torque gets the load moving.*
- *42.5% greater Rated Torque keeps it moving under demanding conditions.*
- *15.4% greater turntable RPM gets the work done faster.*
- And when extreme resistance brings everything to a halt, *27.6% greater Locked Rotor Torque* helps get the job moving again.

**START. PULL. SPIN. RECOVER.**

## *PERFORMANCE THAT DELIVERS FROM START TO FINISH.*

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# POWER. PRECISION. PERFORMANCE.

## DISCOVER THE **220-VOLT ADVANTAGE**

Each advantage tackles a different part of the tire-changing process, but they all serve the same goal: keeping technicians productive.

In a shop that changes tires all day, every day, small efficiency gains don't stay small for long.

### *Ready for Today's Toughest Tires*

Wheel and tire technology isn't standing still. Low-profile tires continue to push sidewalls shorter and stiffer. Run-flat construction adds reinforcement. SUVs and light trucks bring larger wheel and tire packages into the shop. EVs can introduce tire designs engineered around heavier vehicle weights and unique performance demands. All of it puts more pressure on tire service equipment.

A 220V tire changer gives technicians additional torque and more consistent power under load to tackle demanding wheel and tire combinations with confidence. And that matters beyond today's workload.

A shop might handle a certain number of tire jobs now, but new customers, expanded tire sales, additional service bays or fleet accounts can quickly increase volume.

Choosing equipment with the performance to handle more demanding applications gives your operation room to grow without sacrificing productivity when the workload gets heavier.

### *Serious Power for Serious Shop Work*

There's another advantage to 220V that goes beyond what happens on the turntable.

A 220V motor can deliver its power while drawing less current than a comparable lower-voltage configuration. When installed on a properly sized dedicated circuit, that lower amperage can mean less electrical load and reduced heat buildup in the system.

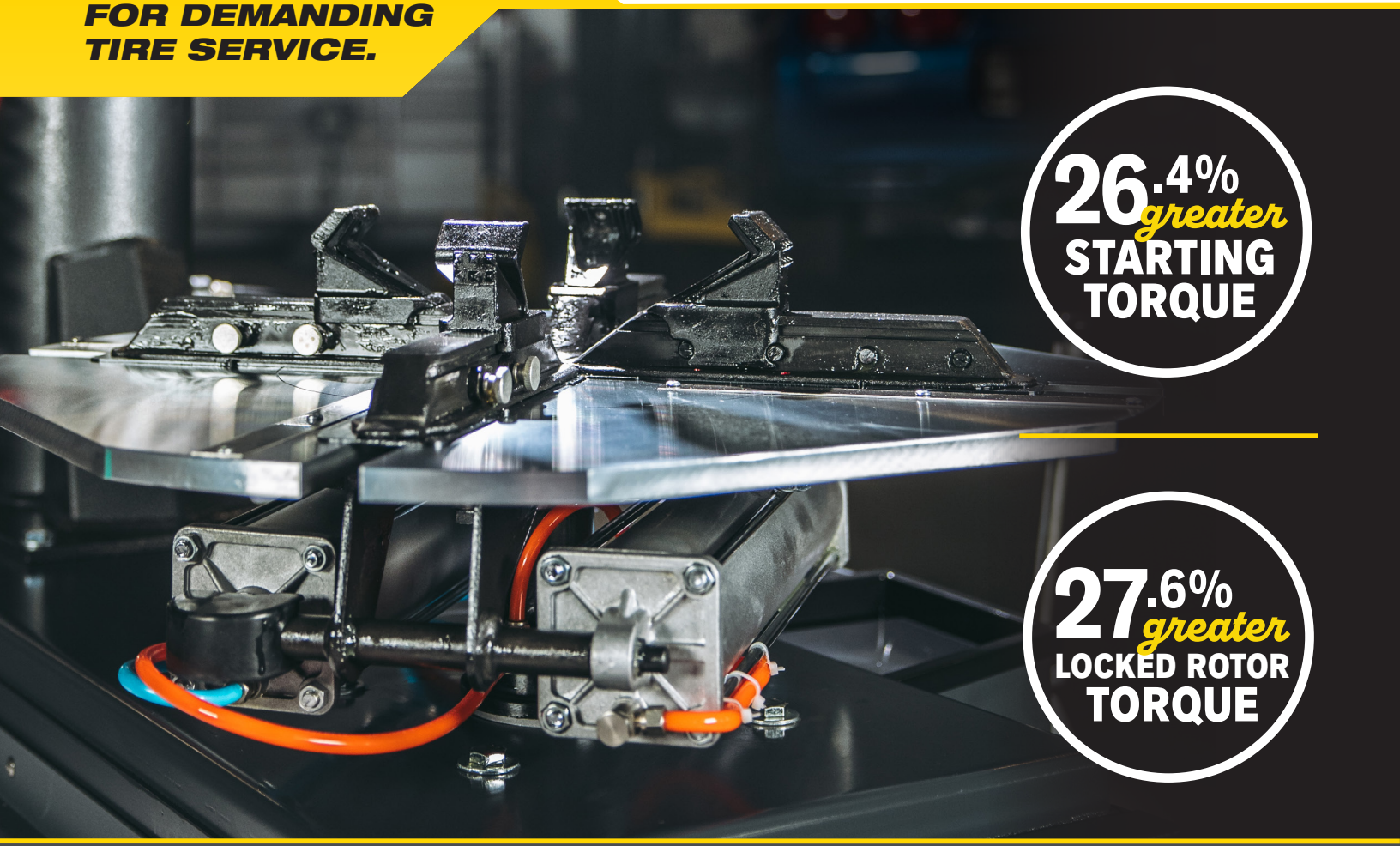
For equipment expected to work hard throughout the day, efficient power delivery matters.

Properly configured 220V service also helps provide the electrical foundation needed for demanding commercial equipment without unnecessary interruptions from overloaded circuits.

**LESS CURRENT.**
**LESS HEAT.**
**LESS WEAR.**
**MORE PERFORMANCE.**

The result is a setup made for the realities of professional tire service: long days, demanding workloads and very little patience for downtime.

## *MORE POWER FOR DEMANDING TIRE SERVICE.*



**26.4% greater STARTING TORQUE**

**27.6% greater LOCKED ROTOR TORQUE**

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# POWER. PRECISION. PERFORMANCE.

## DISCOVER THE **220-VOLT ADVANTAGE**

### *More Than Motor Muscle*

*Power matters, but a professional tire changer needs more than a strong motor.*

Select Ranger tire changers combine 220V performance with features engineered to make difficult tire service faster, easier and more controlled.

The TurboBlast™ bead seating system delivers a powerful blast of air to help seat stubborn tire beads quickly and efficiently.

Select models also feature RimGuard™ wheel clamps, engineered to provide a secure grip while helping protect valuable wheel finishes during service.

Add available assist towers, bead press systems and specialized tooling, and you have machines equipped to tackle the increasingly complex wheel and tire combinations rolling into modern shops. Because horsepower means nothing if the rest of the machine can't put it to work.

### *Built to Keep Business Moving*

For a high-volume tire shop, dealership or professional service center, productivity isn't measured by a single tire change.

*It's measured across an entire day.*

It's the time saved on routine jobs. The hesitation eliminated when a heavy assembly starts turning. The momentum maintained through a stiff sidewall. The difficult tire that doesn't derail the workflow.

That's where 220V performance pays off. More speed. More starting power. More continuous torque. More muscle when the job fights back.

Ranger 220V tire changers are made for shops where the workload doesn't let up and neither can the equipment.

***Commercial power. Professional performance. Productivity that keeps the shop moving.***

## *A STRONGER FOUNDATION FOR TIRE SERVICE.*

### 220V ADVANTAGE

| 110V TIRE CHANGER | | 220V TIRE CHANGER |
|---|---|---|
| **15.38"** GAIN IN TURNTABLE RPM<br>Lower RPM means less waiting during mounting and demounting. | VS. | **27.62"** GAIN IN LOCKED ROTOR TORQUE<br>More torque to power through the toughest tires and conditions. |
| **Lower power output under load**<br>Power drops when the machine is working hard, causing slower performance and more strain. | | **Stronger, consistent power under load**<br>220V delivers steady power even under heavy loads for consistent, reliable performance. |
| **Longer cycle times**<br>Less available power leads to slower cycles and more downtime between jobs. | | **Faster cycles, more productivity**<br>More available power allows for quicker cycles and increased throughput every day. |
| **Standard outlet**<br>Convenient, but limited power restricts performance and capability. | | **Dedicated 220V power for maximum performance**<br>A dedicated 220V circuit delivers the power your machine needs to perform at its best. |
| **Higher amperage draw**<br>110V machines draw more amps to produce the same power, increasing the risk of tripping breakers. | | **Lower amperage draw**<br>220V machines draw less amps for the same power, reducing the risk of tripping breakers and improving efficiency. |
| **More heat buildup**<br>Higher current creates more heat in the motor and components, which can shorten equipment life. | | **Improved motor efficiency & cooler operation**<br>Lower current means less heat, improving efficiency, extending motor life, and enhancing reliability. |

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