TRUE LEVERLESS TIRE CHANGER WITH VARIABLE SPEED CONTROL

No-lever action, hub mounting changer requires no tire tools and no metal to metal contact.

Simple to operate, simple to maintain using 2 button EASY CONTROLS.

Powerful changer uses a 220v inverter motor, so torque is always available when needed.

0-15 RPM VARIABLE SPEED CONTROL

The motor, which is equipped with an exclusive inverter that regulates rotational speed, offers the operator customizable speed control. Rotational speed slows as the stress on the bead increases, avoiding any damage to the tire.

FEATURES

• Quick locking wheel centering adapter
• Locking system suitable for reverse rims
• Full range of bead clamps and adaptors

Patented AUTO-TOUCH FUNCTION

Service the most challenging tire and wheel combinations - low profiles, runflats, exotic rims and other specialty jobs.

Change difficult light truck combinations such as 17.5” and 19.5” super duty wheels using optional centering adapter VSG1000A15.

EASY CONTROLS

Quick pedal operated inflation with gauge and balancing valve. Easy to use position roller with up / down controls.

EQUIPPED WITH

• Standard inflator / side bead blaster
• Pneumatic wheel lift
• Double cone
• Reverse protection
• Tire paste lubricant and brush

TECHNICAL DATA

- Handle wheels from*
  - 10"-36", 12"-28", 14"-30"
- Maximum tire width
  - 15"
- Maximum tire diameter
  - 45"
- Bead breaker power (each arm)
  - 2,645 Ft/L lbs
- Bead breaker movement
  - Automatic
- Rotation motor
  - 2hp / 1.5 Kw inverter
- Recommended air supply
  - 115-145 PSI / 8-10 bar
- Power supply**
  - 220v / 1Ø / 60 Hz

* 3-position base can be adjusted to fit larger wheels up to 30"
**SHIPS WITH NEMA L6 - 20 PLUG
R247D.CL

CENTER LOCKING

HIGH VOLUME SWING ARM CHANGER

Center post design and productivity features make this the go-to pro performance swing arm tire changer for the busiest tire centers.

Easy to use center post mounting increases productivity and reduces the risk of wheel damage. Comes standard with metal and plastic mounting and demounting heads.

FEATURES

• Quick locking wheel centering system
• Integrated wheel lift
• Lower bead lifting roller
• Pneumatic top bead pressing tool
• Hand controlled side bead breaker
• 220v drive motor provides needed torque
• Storage cabinet
• Tire paste lubricant and brush

OPTIONAL ACCESSORIES

VSG1000A87
Universal flange for reverse, and Chrome Clad wheels

VSG1000A102
5 stud kit 110mm long for reverse rims. Used with VSG1000A87

VSG1000A123
Plastic/Chrome Clad adapter for clamping wheels through locking holes

VSG1000A11
Bead tire lever

VSG1000A18
Bead pushing roller

VARIABLE SPEED CONTROL INVERTER

Regulates rotational speed by slowing as the stress on the bead increases avoiding any damage to the tire. The double-acting bead breaker cylinder is designed to work on low-profile and large steel or alloy rims.

TECHNICAL DATA R247D.CL

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim clamping</td>
<td>10&quot;-30&quot;</td>
</tr>
<tr>
<td>Maximum rim width</td>
<td>15&quot;</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>47&quot;</td>
</tr>
<tr>
<td>Max. bead breaker opening</td>
<td>15&quot;</td>
</tr>
<tr>
<td>Bead breaker cylinder power</td>
<td>6,745 LBS</td>
</tr>
<tr>
<td>Rotation motor</td>
<td>2Hp / 1,5 Kw invemotor</td>
</tr>
<tr>
<td>Recommended air supply</td>
<td>115-145 PSI / 8-10 bar</td>
</tr>
<tr>
<td>Power supply*</td>
<td>220v / 1Ø / 60 Hz</td>
</tr>
<tr>
<td>*SHIPS WITH NEMA L6 - 20 PLUG</td>
<td></td>
</tr>
</tbody>
</table>

R145 / R145DR

AUTOMATIC TILTBACK CHANGERS

High performance, top-of-the-range tire changers model with double-acting bead breaker cylinder.

Designed for low-profile and large-sized steel or alloy rims. Works easily on any wheel up to a maximum width of 17".

FEATURES

• 2 position centering lock / 10"-26" range
• Double synchronization for load distribution
• Adjustable tool guide for alloy rim protection
• Bolt caps to prevent hooking of air hoses
• Integrated helper arm included
• Lower bead lifting roller
• Pneumatic top bead pressing tool
• Filter / Tire paste lubricant and brush

R145DR TILTBACK VSC / Variable Speed Control Invemotor 0-16 Variable Speed Control

Designed with an innovative electrical motor inverter, techs are able to regulate the chucking table rotation speed to reduce the stress on the bead to avoid any damage to the tire. 220V drive motor. Model features a hand-controlled bead breaker.

R145DR FI Configuration / Quick inflation for tubeless tires, includes gauge

STANDARD ACCESSORIES

VSG800A117 (2 x kit)
Tool protection kit for metal mount / demount head

VSG800A6 (24" - 26")
Clamp Protectors (4 pcs)

VSG800A26
Blade with adjustment inclination. Allows to break the bead at the correct angle. 145D Model.

VSG800A11 Qty. of 1
Bead breaker protection

VSG800A11K Qty. of 5

OPTIONAL ACCESSORIES

SMALL WHEEL ADAPTER VSG800A111
Reduces clamping capacity to 8" for ATVs and lawn equipment tires.
- requires VSG800A107 wheel clamps

VSG800A107 Motorcycle Adapters
Wheel reducer adapters, -2", -4" from outside

VARIABLE SPEED CONTROL INVERTER

Regulates rotational speed by slowing as the stress on the bead increases avoiding any damage to the tire. The double-acting bead breaker cylinder is designed to work on low-profile and large steel or alloy rims.

TECHNICAL DATA R145 / R145DR

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>0-16 rpm / 7,3 rpm (D version)</td>
</tr>
<tr>
<td>Maximum torque to chuck</td>
<td>895 Ft/lbs (1250 Nm)</td>
</tr>
<tr>
<td>Self-centering lock: external</td>
<td>10&quot; - 26&quot;</td>
</tr>
<tr>
<td>Self-centering lock: internal</td>
<td>12&quot; - 28,5&quot;</td>
</tr>
<tr>
<td>Tool working span</td>
<td>8&quot; - 32&quot;</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>45(1143mm)</td>
</tr>
<tr>
<td>Maximum tire width</td>
<td>17&quot; (431mm)</td>
</tr>
<tr>
<td>Bead breaker cylinder power</td>
<td>6,745 Ft/lbs (3080 kg)</td>
</tr>
<tr>
<td>Power supply (Model 145)</td>
<td>110v / 1Ø / 60 Hz</td>
</tr>
<tr>
<td>Power supply* (Model 145DR)</td>
<td>220v / 1Ø / 60 Hz</td>
</tr>
<tr>
<td>*SHIPS WITH NEMA L6 - 20 PLUG</td>
<td></td>
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# TECHNICAL DATA R146

<table>
<thead>
<tr>
<th>Feature</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>External clamping</td>
<td>10” - 26”</td>
</tr>
<tr>
<td>Maximum torque to chuck</td>
<td>885 Ft/Lbs (1200 Nm)</td>
</tr>
<tr>
<td>Internal clamping</td>
<td>12” - 28.5”</td>
</tr>
<tr>
<td>Max. tire diameter</td>
<td>46” (1200 mm)</td>
</tr>
<tr>
<td>Max. tire width</td>
<td>15” (380 mm)</td>
</tr>
<tr>
<td>Max. bead breaker opening</td>
<td>15” (380 mm)</td>
</tr>
<tr>
<td>Bead breaker cylinder</td>
<td>6,745 Ft/Lbs (3060 kg)</td>
</tr>
<tr>
<td>Power supply</td>
<td>110v / 1Ø / 60 Hz</td>
</tr>
</tbody>
</table>

# R146RP
Hand Controlled with Helper Arm

INCLUDES PLUS91SA AIR-DRIVEN HELPER ARM*  
Bead top pressing and tire lifting device for large and special tires.  
P Models feature a lower bead lifting roller and pneumatic top bead pressing tool.  
*PLUS91SA FOR R146RP IS NOT INSTALLED PRIOR TO DELIVERY.

# R146RA
Hand Controlled / Air Motorized Changer

## R146RAP
with Plus91SA Helper / Air Motorized Changer

# R140i
SWINGARM SHOP
TOP QUALITY / ENTRY LEVEL PRICE

Heavy duty swing arm structure with exclusive 110v single speed motor provides needed torque and the rigid self-centering chuck with wide clamping range handles a variety of needs.  
Equipped with galvanized, double-operating bead breaker cylinder.

# FEATURES

- Tire Diameters of 40”
- 22” Outside Clamping  
- 24” Inside Clamping  
- Removable pedal assembly for easy maintenance  
- Tire paste lubricant and brush

# OPTIONAL UPGRADE PLUS91N HELPER ARM
Bead top pressing and tire lifting device for large and special tires.

# OPTIONAL MOTORCYCLE WHEEL CLAMPS
VSG800A99  
* 5” from the outside for 20” - 22” tables

<table>
<thead>
<tr>
<th>TECHNICAL DATA R140i</th>
</tr>
</thead>
<tbody>
<tr>
<td>External clamping</td>
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<tr>
<td>Internal clamping</td>
</tr>
<tr>
<td>Max. tire diameter</td>
</tr>
<tr>
<td>Max. tire width</td>
</tr>
<tr>
<td>Max. bead breaker opening</td>
</tr>
<tr>
<td>Bead breaker force</td>
</tr>
<tr>
<td>Rotation speed</td>
</tr>
<tr>
<td>Max. torque turntable</td>
</tr>
<tr>
<td>Power supply</td>
</tr>
</tbody>
</table>

# VSG800A111 SMALL WHEEL ADAPTER
Reduces clamping capacity to 8” for ATVs and lawn equipment tires.  
- requires VSG800A107 wheel clamps

# VSG800A107 Motorcycle Adapters
Wheel reducer adapters, -2”, -4” from outside
R501N
SPEEDCHANGER HD
PATENTED/ SUPER FAST TIRE CHANGER
Dismount and mount a truck tire in 30 seconds.
A patented operating system with four rollers positioned on both sides of the wheel in opposite positions. Simple tire dismounting: while the front bead-breakers keep the bead in the drop center, the rear breakers continue their course until the dismounting is complete. The bead-breakers are supported by two separately controlled arms and each has two rollers: one conical which pushes on the bead and one cylindrical which pushes the side of the tire.

FEATURES
• Adjustable arm position
• Quick loading
• Hydraulic clamping / chucking table
• Stand-by function
  - no noise when not in operation
• Hydraulic controls
• Plastic bead breakers protect rim
• VSG108A3 lever
• Tire paste lubricant and brush

TECHNICAL DATA
R501N
<table>
<thead>
<tr>
<th>Feature</th>
<th>R501N</th>
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<tbody>
<tr>
<td>Chucking unit rotation motor</td>
<td>2.7 Hp / 2 kW</td>
</tr>
<tr>
<td>Hydraulic drive unit motor</td>
<td>1 Hp / 1.5 kW</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>52” (1320mm)</td>
</tr>
<tr>
<td>Max. tire width</td>
<td>21” (540mm)</td>
</tr>
<tr>
<td>Bead breaker power</td>
<td>13,300 Ft/lbs / 18000 N</td>
</tr>
<tr>
<td>Maximum assembly weight</td>
<td>2,645 lbs / 1200 kg</td>
</tr>
<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>8</td>
</tr>
<tr>
<td>Max. torque to chuck</td>
<td>985 ft/lb / 2000 Nm</td>
</tr>
<tr>
<td>Power supply</td>
<td>220v / 3Ø / 60 Hz</td>
</tr>
</tbody>
</table>

R560
MOBILE HD
WORKSHOP SERVICE
Easy to use changer.
This easy-to-use changer is designed for closed vans or small workshops. Controls are protected on changer console and the hydraulic clamping and chucking table are suitable for agricultural tires with optional VSG108A22 wheel disc.

FEATURES
• Hydraulic clamping / chucking table
• Hydraulic up / down movement
• 4” minimum clamping - 13” minimum height
• Standard aluminum tool for tube tires
• VSG108A3 lever
• Tire paste lubricant and brush

TECHNICAL DATA
R560
<table>
<thead>
<tr>
<th>Feature</th>
<th>R560</th>
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</thead>
<tbody>
<tr>
<td>Chucking unit rotation motor</td>
<td>1.5 Hp / 1.1 kW</td>
</tr>
<tr>
<td>Hydraulic drive unit motor</td>
<td>2.7 Hp / 2 kW</td>
</tr>
<tr>
<td>Rim diameter</td>
<td>11” - 22”</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>51” (1300mm)</td>
</tr>
<tr>
<td>Max. tire width</td>
<td>37.4” (950mm)</td>
</tr>
<tr>
<td>Bead breaker power</td>
<td>3,597 Ft/lbs / 16000 N</td>
</tr>
<tr>
<td>Maximum assembly weight</td>
<td>2,645 lbs / 1200 kg</td>
</tr>
<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>8</td>
</tr>
<tr>
<td>Max. torque to chuck</td>
<td>1253 Ft/lbs (1700 Nm)</td>
</tr>
<tr>
<td>Power supply*</td>
<td>220v / 3Ø / 60 Hz</td>
</tr>
</tbody>
</table>

*Single phase power available late 2019
R511

COMMERCIAL HD

SUPER DUTY CHANGER
SERVICE TRUCK, BUS, SUPER SINGLE, AGRICULTURAL and LOCK RING.

The operating dimensions of the clamping unit and the head-tool carriage of this heavy-duty tire changer allows it to service a wide range of wheels. The controls enable users to regulate the speed of the tool holding carriage with lever type hydraulic distributions.

FEATURES

• Rotational control on portable wired stand
• Cable control unit
• Quick locking manual rotation tool
• Patented VSG108A3 bead lever
• Tire paste lubricant and brush

TECHNICAL DATA

<table>
<thead>
<tr>
<th>R511</th>
<th>TIRE CHANGE FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chucking unit rotation motor</td>
<td>3 Hp / 2.2 kW</td>
</tr>
<tr>
<td>Hydraulic drive unit motor</td>
<td>1 Hp / .75 kW</td>
</tr>
<tr>
<td>Rim diameter</td>
<td>11” - 27”</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>64” (1640mm)</td>
</tr>
<tr>
<td>Maximum tire width</td>
<td>36.4” (925mm)</td>
</tr>
<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>8</td>
</tr>
<tr>
<td>Power supply*</td>
<td>220v / 1Ø / 60 Hz</td>
</tr>
</tbody>
</table>

*Single phase power available late 2019

R541

COMMERCIAL HD

LEVERLESS SINGLE CARRIAGE MOVEMENT
ELECTROHYDRAULIC CHANGER FOR TRUCKS, AGRICULTURAL AND EARTHMOVING VEHICLES.

The dimensions and work strokes ensure maximum efficiency for an entire range of tires. The two-speed rotation chucking table can accommodate rims up to 44” and 56” (with VSG108A12 extensions set). With leverless action, the tool operates between bead and rim, pulls up the bead and demounts the tire.

FEATURES

• Cable control unit
• Rotational control on portable wired stand
• Double ratcheting locking arm
• Double speed for chucking table rotation
• Patented VSG108A3 bead lever
• Tire paste lubricant and brush

TECHNICAL DATA

<table>
<thead>
<tr>
<th>R541</th>
<th>TIRE CHANGE FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chucking unit rotation motor</td>
<td>1.75 Hp / 1.3 kW</td>
</tr>
<tr>
<td>Hydraulic drive unit motor</td>
<td>2.95 Hp / 2.2 kW</td>
</tr>
<tr>
<td>Rim diameter</td>
<td>11” - 43”</td>
</tr>
<tr>
<td>With VSG108A12 adapters</td>
<td>44” - 56”</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>90.5” (2300mm)</td>
</tr>
<tr>
<td>Maximum tire width</td>
<td>51” (1300mm)</td>
</tr>
<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>4 - 8</td>
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<tr>
<td>Power supply</td>
<td>220v / 3Ø / 60 Hz</td>
</tr>
</tbody>
</table>
EXTREME HD

UNIVERSAL TIRE CHANGER FOR EXTREME WHEEL DIMENSIONS

SPECIAL ORDER ELECTROHYDRAULIC CHANGER FOR TRUCKS, AGRICULTURAL AND EARTHMOVING VEHICLES.

HIGH BEAD BREAKING FORCE
The considerable bead breaking force makes mounting and demounting tires effortless.

MULTIPLE ADJUSTABLE GUIDES
The electro-brake allows immediate stopping of the rotation to avoid any damage to tires.

STAND-BY FUNCTION
After 5 sec. the machine has not been used, the motor will turn off.

FEATURES
• Console cable control unit with metal sheath
• Double speed table rotation
• Quick locking manual rotation tool
• B530800 long bead lifting lever
• VSG108A25 / clamp for earth-moving wheels
• Tire paste lubricant and brush

OPTIONAL ACCESSORIES
VSG108A2 Standard clamp protections for alloy rims / 4 x kit
VSG108A3 Tire Lever
VSG108A13 Rings Lever

SERVICE TIRE DIAMETERS UP TO 106"

HYDRAULIC CLAMPING
4" (90mm) min. clamping
13" (330mm) min. height
19" and 22.5" truck wheels

Oversized chucking dimension allows work on larger tires without interference. Reach 50” wheels without extensions or wheels from 51” to 60” with optional VSG108A39 adapter set.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>R573</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chucking unit rotation motor</td>
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<tr>
<td>Hydraulic drive unit motor</td>
</tr>
<tr>
<td>Rim diameter</td>
</tr>
<tr>
<td>With VSGA108A39 adapters</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
</tr>
<tr>
<td>Maximum tire width</td>
</tr>
<tr>
<td>Chuck rotation speed (rev/min)</td>
</tr>
<tr>
<td>Power supply</td>
</tr>
</tbody>
</table>

OPTIONAL COMMERCIAL HD ACCESSORIES

VSG108A12 (4 x kit) Set of extensions to increase clamping capacity For R541 changer
VSG108A39 (4 x kit) Extensions for R573 changer
VSG108A25 Clamp for steel wheels
VSG90A6 Clamp for alloy wheels
BS508000 Long bead lifting lever

VSG108A34 Pneumatic bead pushing device
Before the driver exits the vehicle, all tire and wheel diagnostics are available with TREADSCAN!

Within seconds, tires are evaluated for uneven tread wear and tread inconsistencies and are analyzed, captured and presented to your customer with zero technician labor involved. Easily track, record and present TreadScan findings for potential wheel alignment work, suspension adjustments or a new set of tires.

**FULLY AUTOMATED TIRE TREAD and ALIGNMENT MEASURING SYSTEM**

TREADSCAN™

**EASY DRIVE-OVER TIRE AND WHEEL ANALYSIS**

**STAND ALONE SYSTEMS**

#VSTPWS101 SURFACE INSTALLATION
#VSTPWS101i RECESSED INSTALLATION

PC on trolley with measuring equipment. System has access to customer data and measurement values. Windows based system.

**QUICK INSPECTION SYSTEMS**

#VSTPWS103 SURFACE INSTALLATION
#VSTPWS103i RECESSED INSTALLATION

Measuring upgrade kit for existing wheel alignment or test lane. Compatible with all Rotary alignment systems.