A new standard in professional tire changing
Bosch TCE 4430 and TCE 4435
Bosch TCE 4430 and TCE 4435 tilt-back tire changers provide a range of innovative features designed for maximum speed, performance and durability – even for the toughest UHP or RFT passenger car and light commercial tires. With the addition of a special accessory kit, these machines can also handle motorcycle tires. Bosch TCE330, the new helper arm device is especially designed for tire specialists and high volume workshops.

Innovative G-Frame
At the heart of the new tire changers is the unique Bosch G-Frame concept. This advanced design feature increases the rigidity of the machine to shorten the flow of internal forces and avoid tire and rim damage. It also improves the speed of the tire change, making the new machines ideal for high-volume or specialist tire workshops.

Ease of use for effortless performance
The updated 4-point adjustable bead breaker increases work speed by up to 40 %. The specially shaped bead breaker pad itself has been designed to protect the rim from scratching by avoiding any risk of contact with the metal housing. The shorter cylinder stroke reduces the need for air and thus the energy consumption of the compressor. At the same time, the need for manual guidance is reduced thanks to the extreme stability of the frame.

Safety and stability
The pneumatically adjustable mounting pillar has been reinforced to increase the strength and stability of the most stressed components. In addition, the mounting
head now sits in an enhanced hexagonal structure, simplifying assembly and disassembly. Both the user security and rim protection have also been enhanced. A yellow deflector attached to the cylinder of the turntable serves as additional protection for the user.

**Innovation and user-friendliness**
The twin-speed turntable is easily operated using a pedal. In the 230 V version, a special electronic system automatically ensures higher torque and a smooth start. The revised design of the turntable makes it easier to clamp the rim. The redesigned protectors of the jaws allow internal clamping of steel rims without time-consuming conversion. The integrated tire inflation system is controlled by a side pedal and is up to 25% faster than similar devices.
The Bosch TCE 4435 tire changer is also equipped with a tire inflation system through the jaws, which is controlled by the same pedal that governs the inflation process.

**Helper arm device: Ergonomic and flexible**
The Bosch TCE 4430 S44 tire changer is standard equipped with TCE 330, a pneumatic device composed by 2, separately operated, arm that facilitate mounting and demounting of UHP and RFT tires. TCE 330 is designed to offer a great user experience, control switches are placed to be accessible from any working area and the higher positioning of the follower arm facilitate all operation on the tire bead.

### Technical data for the TCE 4430 / TCE 4435

<table>
<thead>
<tr>
<th>Power supply</th>
<th>400 V 3 ph 50 Hz</th>
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<tbody>
<tr>
<td></td>
<td>400 V 3 ph 60 Hz</td>
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<tr>
<td></td>
<td>230 V 1 ph 50/60 Hz (with motoinverter)</td>
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<tr>
<td></td>
<td>110 V 1 ph 60 Hz (with motoinverter)</td>
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<tr>
<td>Rim diameter</td>
<td>10” – 22” (outer clamping)</td>
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<tr>
<td></td>
<td>12” – 24” (inner clamping)</td>
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<tr>
<td>Rim width</td>
<td>3” – 12,5”</td>
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<tr>
<td>Max. wheel diameter</td>
<td>1100 mm</td>
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<td>Max. opening of the tire bead breaker</td>
<td>397 mm</td>
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<td>Air pressure</td>
<td>8 – 10 Bar</td>
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<tr>
<td>Rotational speed of the turntable</td>
<td>7 RPM (lower speed)</td>
</tr>
<tr>
<td></td>
<td>15 RPM (higher speed)</td>
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<tr>
<td>TCE330 – Max. press force</td>
<td>5500 N (horizontal arm)</td>
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<tr>
<td></td>
<td>2500 N (follower arm) roller face</td>
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</tbody>
</table>
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Find out more at: https://www.bosch-repair-service.com/

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