Bosch TCE 4470 and TCE 4475
A new standard in professional tire changing

BOSCH
Invented for life
TCE 4470 and TCE 4475 are pneumatic tilting column tire changers for passenger cars, especially designed for tire specialists and high volume workshops. They are equipped with a 28” (external clamping) turntable, a pneumatic positioning of the mounting head and a 4-position adjustable bead breaker. Extreme rigidity of the structure and the use of the G-frame concept make them the market benchmark for robust and solid performance.

The optimized reduction of flex in the operating arm guarantees safe mounting and demounting operations for any kind of tires, even the most difficult UHP or RFT. TCE 330 helper system makes the work even easier and reduces the effort of the operator. TCE 4470 and TCE 4475 are 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.

**Safety and stability**
The pneumatically adjustable mounting pole column 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 safety and rim protection have been enhanced. A yellow deflector attached to the cylinder of the turntable serves as additional protection for the user.

### Key features
- Big space for wheel seating – outside clamping 28 inch and wheel width up to 15 inch without any special pre-adjustment
- Revolutionary Ergo Control bead breaker 40% faster than previous model (optional)
- TCE 330, helper arm with 2 independent pressing points
Innovation and user-friendliness
The two-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 jaw protectors 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 4475 tire changer is also equipped with a tire inflation assistance system through the jaws, which is controlled by the same pedal that governs the inflation process.

Ergo Control system: a revolution in tyre changing
TCE 4470 and TCE 4475 can be equipped with the NEW Ergo Control: the bead breaker is controlled by the handle rather than a pedal making the bead breaking operation safe, quick, precise and comfortable.

- **Ergonomic working position** – the back is less stressed with respect to the traditional system, just stand in front of the wheel.
- **Increased safety** – the use of the main bead breaker lever (patented) avoids shock to the operators arm making bead breaking a safe operation.
- **Reduction of the risk of wheel damage** – the control by using the lever gives the operator a maximum of sensitivity.
- **Increased speed** – the bead breaker can be stopped immediately the bead is unseated - no need to fully open or close the blade.
- **Less cost** – reduction of air consumption.

Helper arm device: Ergonomic and flexible
The TCE 330 is a pneumatic device featuring two separately controlled arms which simplify 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 together with the higher positioning of the follower arm facilitate all operations on the tire bead.

### Technical data

<table>
<thead>
<tr>
<th></th>
<th>400 V 3 ph 50 Hz</th>
<th>230 V 1 ph 50/60 Hz</th>
<th>110 V 1 ph 50/60 Hz</th>
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<tbody>
<tr>
<td><strong>Rim diameter</strong></td>
<td>12” – 28” (external clamping)</td>
<td>13” – 32” (internal clamping)</td>
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<td><strong>Rim width</strong></td>
<td>3” – 15”</td>
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<tr>
<td><strong>Max. wheel diameter</strong></td>
<td>1200 mm</td>
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<td><strong>Air pressure</strong></td>
<td>8 – 10 bar</td>
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<td><strong>Rotational speed of the turntable</strong></td>
<td>7 RPM (lower speed)</td>
<td>15 RPM (higher speed)</td>
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<tr>
<td><strong>TCE330: max. press force</strong></td>
<td>5500 N (horizontal arm)</td>
<td>2500 N (follower arm) roller face</td>
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<td><strong>Bead breaker range</strong></td>
<td>70 – 397 mm</td>
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<td><strong>Bead breaking force</strong></td>
<td>11500 N</td>
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### Scope of delivery:
- 1x TCE 330
- 1x Lubricant brush and tyre lever
- 1x Jaws plastic protection kit
- 5x Front plastic protection for demounting head
- 1x Rear plastic protection for demounting head
- 1x Bead breaker plastic protection
- 1x Roller board for bead breaker
**TCE 4475**: Ergonomic and easy to use for maximum performance

- **WDK approved***
  Certified for RunFlat and UHP-tyres

- **Outstanding stability with G-Frame**

- **A machine for all wheel sizes and high volume workshops**
  Big space for wheel seating, outside clamping 28 inch and wheel width up to 15 inch without any special accessories

- **Time saver**
  The redesigned jaws protectors allow steel rims internal clamping without time-consuming conversion

- **Speedy**
  The two-speed turntable is easily operated using a pedal

- **User-friendly**
  Control switches are placed to be accessible from any working area

- **NEW TCE 330**
  Helper arm device ergonomic and flexible

- **Extreme precision**
  The horizontal arm and the follower arm allow a precise and smooth control in the whole process

- **Full control, maximum reliability**
  The control by using the lever gives the operator a maximum of sensitivity

- **NEW Ergo control**:*
  saving time with more comfort and safety
  The new hand bead breaker system allows to execute the operation always in an ergonomic working position

*Available only for specific models
### TCE 4470 and TCE 4475
Accessory program to improve your work

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<tr>
<th>Order Nr. / Description</th>
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<tr>
<td>1 695 102 148 Jaws plastic protection kit (4 pcs.)</td>
<td>1 695 101 575 Motorbike / scooter adaptors</td>
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<tr>
<td>1 695 101 608 Demounting head tongue protection (5 pcs.)</td>
<td>1 695 103 210 Motorbike mounting head kit</td>
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<td>1 695 106 152 Bead breaker plastic protection</td>
<td>1 695 101 518 Bead breaking bearing motorbike wheel</td>
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<tr>
<td>1 695 102 584 Storage kit</td>
<td>1 695 103 211 Plastic mounting / demounting head complete with adaptor</td>
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<td>1 695 105 191 Plastic rim protection</td>
<td>1 695 103 216 Bead pressing device (thick)</td>
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<tr>
<td>1 695 103 060 Kit WDK for run flat and ultra high performances tires</td>
<td>1695 101 372 External IT kit (4470 models only)</td>
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<tr>
<th>Model</th>
<th>IT device</th>
<th>Ergo Control</th>
<th>WDK kit</th>
<th>RAL 6018</th>
<th>RAL 7016</th>
<th>230V 1ph</th>
<th>400V 3ph</th>
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What drives you, drives us.

Technology from Bosch is used in practically every vehicle in the world. For us, the focus is on people and helping them to stay mobile.

We have been dedicated to people for more than 125 years with our pioneering spirit, research, production and expertise.

Our dedication is an unwaivering commitment to providing them with a unique combination of parts, diagnostics, workshop equipment and services:

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- innovative workshop equipment and software – also available on favorable lease terms
- the world's largest range of new and remanufactured spare parts
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- expert customer care via our hotline
- extensive range of training courses
- specific sales and marketing support
- plus many other services

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Germany

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- Hybrid/e-mobility
- Technical hotline
- Knowledge database
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Bosch electronic repair service
- Fair repair: repairs in line with the market value
- Fast and reliable: most work completed within 48 hours
- Quality remains priority: Bosch is committed to this as a globally leading original equipment manufacturer

Find out more at: https://www.bosch-repair-service.com/