

TIRE CHANGER • TILT-BACK

# BD18

## Tilt-Back Leverless Tire Changer

Tilt-Back design

Rim Range 13-28"

Rim Width 350 mm

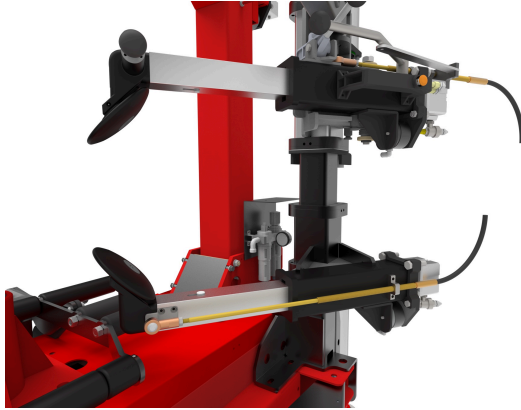
Max. Wheel Diameter 1100 mm

Powers 0.75 / 1.1 kW



# What sets the BD18 apart

01



## Dual-disc bead control

Upper and lower pressing discs support and depress the tyre from complementary working positions. The operator can keep the bead controlled while mounting or demounting demanding low-profile and run-flat tyres.

— COSENG · BD18

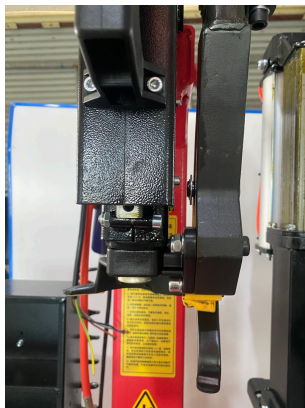
## Leverless automatic demount head

The extended demount hook engages the bead without a conventional tyre lever. Controlled head movement reduces repeated manual positioning and helps protect the rim during the service cycle.

— COSENG · BD18



03



## Reinforced demounting assembly

A rigid head carrier and robust pivot structure maintain stable tool alignment under load. The assembly is designed for repeatable operation on wide and stiff-sidewall tyres.

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# What sets the BD18 apart

04



## Multi-position assist arm

The articulated assist arm applies controlled pressure where the operator needs it, keeping the sidewall below the rim flange and reducing physical effort during difficult tyre work.

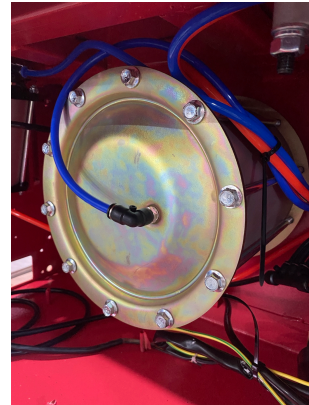
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## Large Ø200 bead-breaker cylinder

The large pneumatic cylinder provides strong, consistent bead-breaking force. Its high-capacity design supports demanding workshop use and helps separate stubborn beads efficiently.

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05

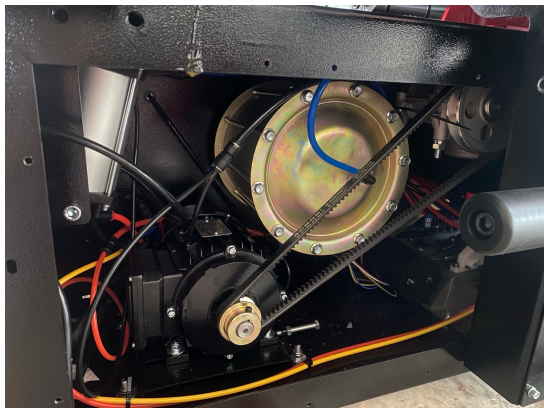


## Precision servo drive

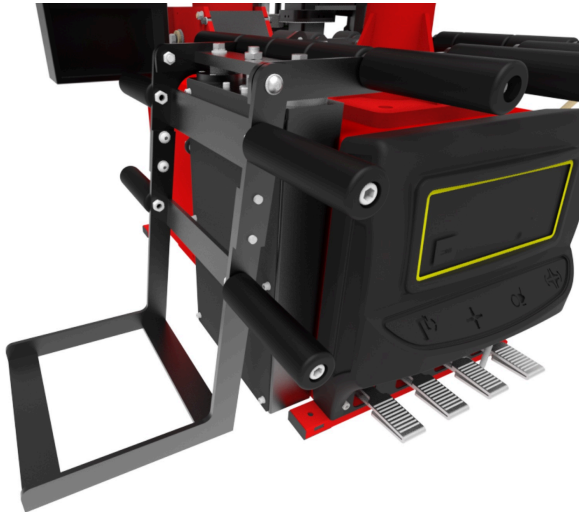
Servo-controlled drive technology delivers precise position control and smooth, stepless speed adjustment. Output responds progressively for better control throughout mounting and demounting.

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06



# What sets the BD18 apart



## Integrated wheel lift

The wheel lift raises heavy assemblies to working height and supports accurate loading onto the machine. It reduces repetitive lifting and improves workshop ergonomics.

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## Stable working platform

The broad, reinforced worktable provides a stable base for controlled wheel positioning. Its open layout keeps the principal working areas accessible to the operator.

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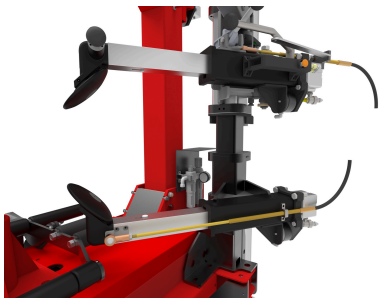
08



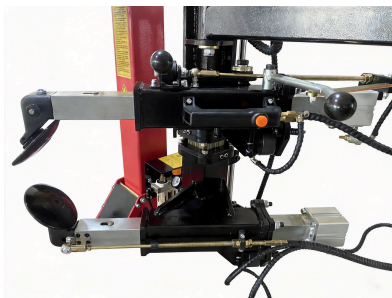


# Components & build detail

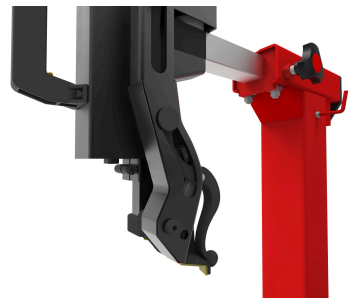
Key components and assemblies of the BD18.



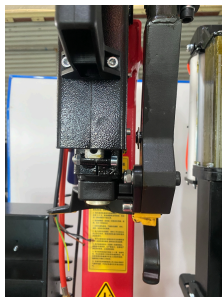
Dual-disc structure - full assembly



Dual-disc structure - working detail



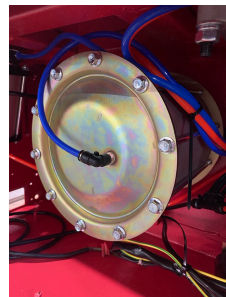
Automatic demount head



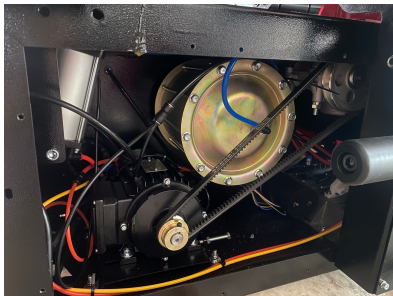
Demounting-head assembly



Articulated assist arm



Ø200 pneumatic cylinder



Servo drive system



Integrated wheel lift



Working platform

# BD18 specifications

|                     |                 |                       |                              |
|---------------------|-----------------|-----------------------|------------------------------|
| Rim Range           | 13-28''         | Tire Lift Max Loading | 75 kg                        |
| Rim Width           | 350 mm          | N./G. Weight          | 430 / 492 kg                 |
| Max. Wheel Diameter | 1100 mm         | Packing DIM           | 1380 × 1130 × 1840 mm        |
| Work Pressure       | 8-10 bar        | Machine-Space DIM     | 1800 × 1800 × 2200 mm        |
| Operation Speed     | 6/12 rpm (380V) | Noise                 | <70 dB                       |
| Voltages            | 220V / 380V     | Max QTY In Container  | 8 pcs (20'') & 16 pcs (40'') |
| Powers              | 0.75 / 1.1 kW   |                       |                              |

## INCLUDED EQUIPMENT

### Standard accessories



Tyre presser



Plastic tyre lever



Wheel caliper



Reverse-mount adaptor



Clamping cone



Mounting-head gasket



Bead-breaker blade cover

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EXPORT COUNTRIES

**CE-ISO**

9001:2015 CERTIFIED

**OEM**

ODM AVAILABLE

**Request a quotation for the BD18**

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