

*monty®* **Universal 2**

*certified for handling UHP and run-flat tyres*

*Demounting  
without  
tyre lever*



Tyre changers with  
semi-automatic  
demounting procedure

## The all-rounder



Today many cars are equipped with UHP or run-flat tyres. While improving vehicle safety those tyres have rather rigid sidewalls, which is a big challenge both to mounting and demounting equipment and operators.

Especially in bead breaking operations major forces are required, involving a considerable risk to damage the tyre. The tyre changers of series monty universal 2 were specially designed to handle such tyres in that their special design perfectly supports mounting and demounting operations.

**The special handling capability of the machine for UHP and run-flat tyres has been certified by wdk (Association of German Tyre Industry).**

In addition the tyre changer is also ideally suited for handling tyres of all types, covering the wide range of rims up to 30" diameter and 17" width.

### Bead breaking

The monty universal 2 is designed for bead breaking on both sides with a roller-type tool without need to turn the wheel over and clamp again.

Bead breaking of the upper bead is accomplished with the plastic bead breaker disc in a continuous process while the wheel is slowly rotated.



As soon as the disc is below the rim flange, a button on the control console is pressed to optimise the angle of application of the disc and to ensure optimum introduction of bead breaking forces into the bead – a more gentle and user-friendly operation is hardly possible.

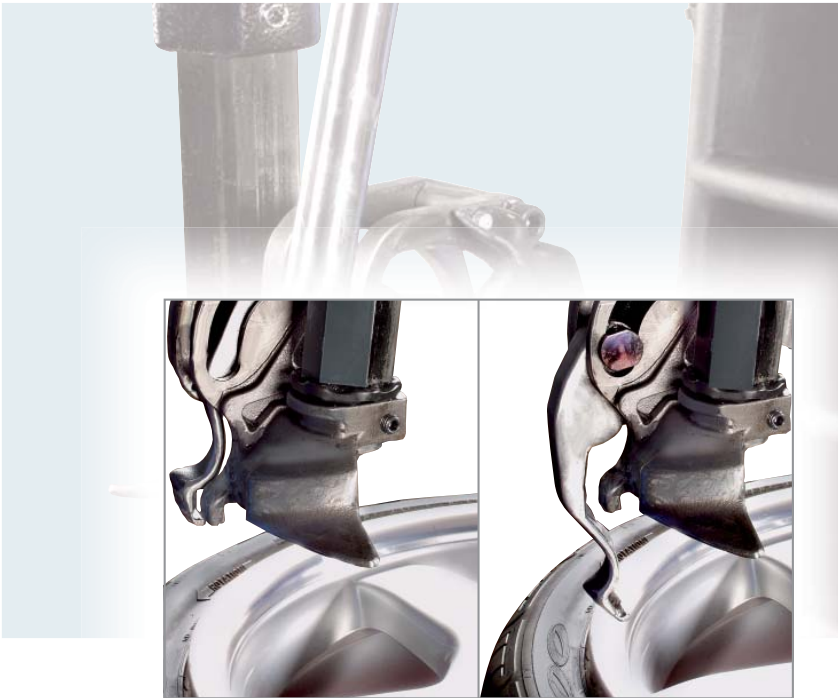
For bead breaking of the lower bead the bead breaker disc is hinged by 180 deg. and positioned under the lower bead which is then also broken at an optimum angle of the disc – hence most gently and preserving to the tyre.



### Integrated demounting lever

The monty universal 2 is equipped with an automatic integrated demounting lever which supersedes the conventional tyre lever, pulling the bead over the rim flange as gentle to the tyre as can be and doing the otherwise tedious job of the operator.

## The all-rounder



### Wheel lift

The ergonomic wheel lift is especially useful when it comes to clamping very large and heavy wheels and – best of all – it comes standard with the tyre changer.



### Central clamping

With the central clamping flange the rim is clamped by its centre bore, hence little effort is required to centre every wheel before breaking upper and lower beads without additional work.

The clamping flange is vertically adjustable so that a large variety of

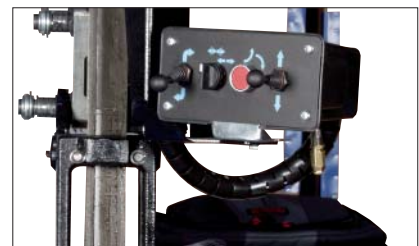
wheel types and even reverse mounted wheels can be handled ergonomically and conveniently.



Clamping flange speed can be chosen according to requirements: slow speed is ideally suited for accurate and attentive operation in critical phases such as bead breaking and pulling the bead over the rim, whereas quick speed allows to save time in uncritical phases.

### Control console

Equipped with all essential controls the control console is in ergonomic position for the operator to control and supervise all individual operations.



### GP version

Includes the pedal-controlled bead blast device to facilitate bead seating and inflation of tubeless tyres.

Optional extras



4030486 – **Light-truck wheel kit**  
To clamp light-truck wheels



34256 – **Reverse mounting kit**  
To clamp reverse mounted wheels



4030515 – **Closed centre rim kit**  
To clamp closed centre rims, including compact clamping device



4030482 – **Extended clamping device**



4030513 – **Bead blast device**  
To facilitate tyre inflation (standard with GP version)



4030489 – **Laser pointer**  
To facilitate correct positioning of the mounting head

Technical data and dimensions		
Clamping range	inch	12 – 30
Max. rim width	inch	17
Max. tyre width	inch	17
Max. wheel diameter	mm	1200
Wheel weight	kg	70
Clamping flange speed	rpm	7 / 13
Dimensions (W x D x H)	mm	1520 x 1620 x 1910
Machine weight incl. wheel lift	kg	430 / GP: 450
Operating pressure	bar	8 – 12
Power supply		200 – 240 V 1ph 50/60 Hz



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Part of the machines is illustrated with optional extras available at extra cost.  
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