Heavy duty wheel service

TYRE CHANGERS AND WHEEL BALANCERS FOR ALL COMMERCIAL VEHICLES
The right equipment for your workshop needs

<table>
<thead>
<tr>
<th>Tyre Changers</th>
<th>Truck</th>
<th>Light Agricultural Vehicles</th>
<th>Heavy Duty Agricultural Vehicles</th>
<th>Skidder and OTR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 70</td>
<td>![Truck Icon]</td>
<td>![Tractor Icon]</td>
<td>![Skidder Icon]</td>
<td>![Truck Icon]</td>
</tr>
<tr>
<td></td>
<td>![Truck Icon]</td>
<td><strong>not applicable</strong></td>
<td><strong>not applicable</strong></td>
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</tr>
</tbody>
</table>

| MS 75         | ![Truck Icon] | ![Tractor Icon] | ![Skidder Icon] | ![Truck Icon] |
|               | ![Truck Icon] | **not applicable** | ![Tractor Icon] | ![Skidder Icon] |

| MS 78         | ![Truck Icon] | ![Tractor Icon] | ![Skidder Icon] | ![Truck Icon] |
|               | ![Truck Icon] | ![Tractor Icon] | ![Skidder Icon] | ![Truck Icon] |

| MS 80         | ![Truck Icon] | ![Tractor Icon] | ![Skidder Icon] | ![Truck Icon] |
|               | ![Truck Icon] | ![Tractor Icon] | ![Skidder Icon] | ![Truck Icon] |

**Wheel Balancer**

<table>
<thead>
<tr>
<th>MT 788/795T</th>
<th>![Truck Icon]</th>
<th>![Tractor Icon]</th>
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</table>

**Inflating cage**

**Legend:**  ● Perfect match   ● Also applicable*  
* see technical data
MS 70 and MS 75

**MS 70**
Truck tyre changer designed to operate with truck wheels up to 26” wheel diameter, fully adjustable to carefully handle the light alloy wheels. MS 70 sets the benchmark to be the strongest of its segment.

**Benefits:**
- Tool trolley, lifting arm and chuck are controlled by hydraulic system
- 4 jaws universal chuck
- Adjustable hydraulic pressure for light wheels
- Chuck with bi-directional rotation function
- Universal pivoting tool with bead breaker disc and mounting/demounting hook
- Tool arm with quick manual release
- Operated by wired mobile remote control unit
- Small footprint

**MS 75**
All trucks plus agricultural and off the road tyre changer up to a wheel width of 810 mm. The best balance between price and performance.

**Benefits:**
- Tool trolley, lifting arm and chuck are controlled by hydraulic system
- Bead breaking force of 3.7 tonnes
- Clamping capacity up to 40”, 60” with extension (accessories)
- Adjustable hydraulic pressure for light wheels
- Chuck with bi-directional rotation function
- Double speed rotation chuck allows safe operation with various wheel sizes
- Universal pivoting tool with bead breaker disc and mounting/demounting hook
- Tool arm with quick manual release
- Special wheels accessories available
- Operated by wired mobile remote control unit

**New tool**
- **New** tool shape: faster tyre extraction and insert
- **New** surface treatment: care of the tyre bead
- **New** disc shape: increased bead breaking performance

Available on MS 78 and 80 series.
MS 78 and MS 80

Trucks plus agricultural and off the road tyre changer, fast and easy to use. The perfect match between speed and flexibility.

Benefits:
- Movement controlled by hydraulic system.
- Wide working range with a max wheel width capacity of 1190 mm
- Clamping capacity up to 40", 60" with extension (accessories)
- Accurate and safe 6 jaws clamping system (patented)
- Adjustable hydraulic pressure for light wheels
- Chuck with bi-directional rotation function
- Double speed rotation chuck allows safe operation with various wheel sizes
- High performing pivoting tool with bead breaker disc and mounting/demounting hook
- Quick tool set-up fully controlled through the remote unit
- Special wheels accessories available
- Operated by wireless mobile remote control unit (optional) in the „RC“ variant

MS 80 and 80 RC

Agricultural plus off the road tyre changer with an even wider application range. It can also be applied to light trucks, heavy duty trucks, agricultural vehicles, skidder and trailers, wheels.

Benefits:
- Movement controlled by hydraulic system
- Over 4 tonnes of bead breaker force
- Wide working range with a max wheel width capacity of 1460 mm
- Effective on tyres up to 2.9 meters high and up to 2.8 tonnes heavy
- From side to side with fast function for tool set-up
- Clamping capacity up to 40", 60" with extension (accessories)
- Accurate and safe 6 jaws clamping system (patented)
- Adjustable hydraulic pressure for light wheels
- Chuck with bi-directional rotation function
- Double speed rotation chuck allows safe operation with various wheel sizes
- High performing pivoting tool with bead breaker disc and mounting/demounting hook
- Quick tool set-up fully controlled through the remote unit with tangency positioning (patented)
- Special wheels accessories available
- Operated by wireless mobile remote control unit (optional) in the „RC“ variant

6 jaws chuck (patented)

Tool positioning to the wheel center (patented)
MT 788/795T and Inflating cage

MT 788/795T – the universal wheel balancer
Electronic wheel balancers designed to operate on truck, bus, car and motorcycle wheels, with double rotation speed. A wide range of programs and the full scope of delivery make these wheel balancers the most complete in their category.

Benefits:
- Truck, car and motorcycle balancing mode
- Efficient: Wide range of balancing programs including ALU: 4 dedicated to truck, 9 to car and 2 to motorcycle wheels
- Menu-guided function keys for data entry and program set-up
- Automatic measurement cycle
- Manual aluminum gauge to position adhesive balancing weights
- Split program
- Static unbalance optimization program
- Pneumatic lift to ease the clamping of heavy wheels up to 160 kg
- Equipped with truck, light truck and passenger car adaptors
- Available with digital display (MT 788)

Inflating cage – for a safe inflating process
The inflation cage is a device that provides an effective solution for the problem of safety during tyre inflation. It allows operation on all types of truck wheels, but can also be used for car and van tyres. The special type of perforated mesh enclosing the structure minimises the shock wave which might be generated due to tyre burst.

Electronic inflating system:
On request, the inflation cage can be equipped with an electronic system which allows a standalone inflating process. The main feature is that once the necessary pressure has been set and the process started, the pressure gauge completes the operation unassisted, leaving the operator free to carry out other tasks.

Tubeless tyre inflator:
On request and in combination with the electronic inflating system or standalone system, the inflating cage can be equipped with a blast inflating system. The side opening allows this operation to be carried out easily inside the box, with no reduction of operator safety.

Scope of delivery – MT 788/795T:

PN: 1 695 636 500
- Universal flange for car and truck wheels

PN: 1 695 652 870
PN: 1 695 654 377
PN: 1 695 606 500
- Pliers - Weight sample 60gr - Gauge
## Technical data

<table>
<thead>
<tr>
<th></th>
<th>MS 70</th>
<th>MS 75</th>
<th>MS 78 / 78 RC</th>
<th>MS 80 / 80 RC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rim size</strong></td>
<td>14” - 26”</td>
<td>14” - 40” (24” - 60”)*</td>
<td>14” - 40” (24” - 60”)*</td>
<td>14” - 40” (24” - 60”)*</td>
</tr>
<tr>
<td><strong>Min clamping diameter</strong></td>
<td>125 mm</td>
<td>105 mm</td>
<td>115 mm</td>
<td>115 mm</td>
</tr>
<tr>
<td><strong>Max. tyre diameter</strong></td>
<td>1,600 mm</td>
<td>2,290 mm</td>
<td>2,280 mm</td>
<td>2,900 mm</td>
</tr>
<tr>
<td><strong>Max. tyre width</strong></td>
<td>795 mm</td>
<td>810 mm</td>
<td>1,190 mm</td>
<td>1,460 mm</td>
</tr>
<tr>
<td><strong>Max. wheel weight</strong></td>
<td>1,500 kg</td>
<td>1,200 kg</td>
<td>1,200 kg</td>
<td>2,800 kg</td>
</tr>
<tr>
<td><strong>Max. bead breaking force</strong></td>
<td>3.1 t</td>
<td>3.7 t</td>
<td>3.7 t</td>
<td>4.1 t</td>
</tr>
<tr>
<td><strong>Hydraulic control unit motor</strong></td>
<td>1,5 Hp</td>
<td>1,5 Hp</td>
<td>1,5 Hp</td>
<td>2,5 - 3,5 Hp</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Chuck rotation speed</strong></th>
<th>Single</th>
<th>Double</th>
<th>Double</th>
<th>Double</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 rpm</td>
<td>1 v - 4,5 rpm</td>
<td>1 v - 4,5 rpm</td>
<td>1 v - 4,5 rpm</td>
<td></td>
</tr>
<tr>
<td>2 v - 9 rpm</td>
<td>2 v - 9 rpm</td>
<td>2 v - 9 rpm</td>
<td>2 v - 9 rpm</td>
<td></td>
</tr>
</tbody>
</table>

| **Power supply**        | 3 – 400 V, 50 – 60 Hz | 3 – 400 V, 50 – 60 Hz | 3 – 400 V, 50 – 60 Hz |
|                        | 1 – 230 V, 50 – 60 Hz | 1 – 230 V, 50 – 60 Hz | 1 – 230 V, 50 – 60 Hz |

| **Air supply**          | – | – | 8 / 10 bar | – |
| **Dimensions (W x H x D)** | 1640 x 1250 x 1400 mm | 1900 x 1750 x 1750 mm | 2150 x 1750 x 1930 mm | 2800 x 2080 x 2700 mm |
| **Weight**              | 575 kg | 882 kg | 1020 kg | 1750 kg |

* with extensions

## MT 788/795T

| **Rim width**           | up to 20” |
| **Max. wheel width**    | 650 mm |
| **Rim diameter**        | 10 – 26,5” |
| **Max. wheel diameter** | up to 1,200 |
| **Max. wheel weight**   | 160 kg truck / 70 kg car |
| **Power supply**        | 1 – 230 V, 50-60 Hz |
| **Balancing speed**     | 100 rpm (truck mode) |
|                        | 167 rpm (car mode, 50 Hz) |
|                        | 200 rpm (car mode, 60 Hz) |
| **Compressed air supply** | 8 – 12 bar |
| **Capacity**            | 160 kg |
| **Max. height**         | 1,950 mm |
| **Max. depth**          | 1,350 mm |
| **Width**               | 2,000 mm |
| **Weight**              | 183 kg |

## Inflating Cage

| **Weight** | 166 kg |
| **External dimensions (WxHxD)** | 1,600 mm x 1,580 mm x 800 mm |
| **Internal dimensions (WxHxD)** | 1,500 mm x 1,500 mm x 700 mm |
| **Pression of pneumatic circuit** | 10 bar |
Accessories

**Accessories truck tyre changers**
- OTR – Split ring wheels clamp (PN: 1 695 300 098)
- Tubeless roller (PN: 1 695 300 102)
- Pneumatic bead depressor (PN: 1 695 103 526)

**Accessories MS 70**
- Light alloy wheel protection for 26” (4 pcs.) (PN: 1 695 400 139)

**Accessories MS 75**
- Light alloy wheel protection for 52” (4 pcs.) (PN: 1 695 301 711)
- Center hole adaptor from 80 mm (4 pcs.) (PN: 1 695 301 712)
- Adaptors for thick rims (4 pcs.) (PN: 1 695 301 781)

**Accessories MS 78/80**
- Light alloy wheel adaptors 56” (6 pcs.) (PN: 1 695 301 575)
- Center hole adaptor from 80 mm (6 pcs.) (PN: 1 695 301 681)
- Adaptors for thick rims (6 pcs.) (PN: 1 695 301 606)

**Accessories MT 788/795T**
- Adaptor Fisher/Dayton (PN: 1 695 653 778)
- Kit demo box for truck (PN: 1 695 656 569)

**Inflating Cage**
- Tubeless inflation device (PN: 1 695 700 051)
- Electronic inflating system (PN: 1 695 700 052)

**Scope of delivery truck tyre changers**
- Heavy duty lever (PN: 1 695 300 094)
- Heavy duty pliers (PN: 1 695 300 099)
Beissbarth brake testers for trucks

BD-series Truck for 13 t and 18 t axle load:
- Hydraulic load simulation
- Four-wheel support (4 x 4)
- New ICperform software
- Supports the connected workshop: PC ready, Connected Repair, ASA-Livestream
- Coated rollers with strong grip
- Mechanical components with hot-dip galvanization – for lasting protection against corrosion
- Lifting device for load simulation (lifting height: 200 mm)
- Neatly integrated into the roller housing
- Increases the brake-cylinder pressure to the 1.7 bar demanded
- Controlled via remote control right from the driver cab
- Suitable for almost all trucks and trailers
- Especially recommended for empty/lightweight lorries

New! Software ICperform: for intuitive and fast use
- Optimum display of all relevant measured values
- Easy to handle
- Faster brake testing
- Print and database functions
- Connection with other test devices within the test lane