

BOXER[®]



**TYRE
CHANGERS**
Systems



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KEY FEATURES



PROspeed

The innovative technology – patent-protected – that optimises the torque applied to the wheel and automatically sets the maximum rotation speed of the wheel accordingly.



Pneumatic vertical arm

Fast and ergonomic: the pneumatic vertical arm facilitates positioning of the mounting head on all wheels.



Centre clamp

The centre-clamp design has numerous benefits: most important is the drastically reduced risk of damage and that there are no restrictions of the turntables with clamping jaws, while automatic locking of the wheel provides fast, safe and correct clamping of the wheel.



Leverless tool

The leverless tool supersedes the conventional tyre lever. It pulls the bead over the rim edge, being as gentle to the tyre as can be and reducing the effort of the operator.



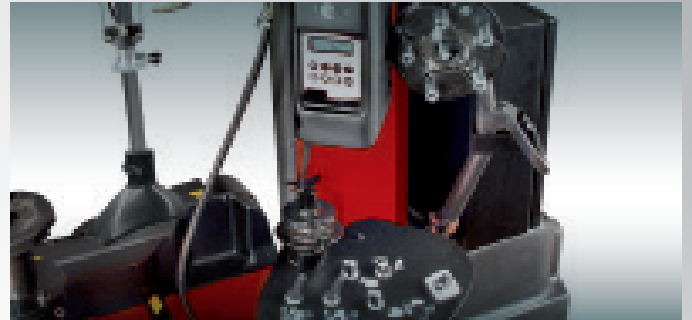
Top-side bead seater

A direct burst of compressed air facilitates bead seating. The GT models offer a top-side bead seater with a 24-litre tank.



Wheel lift

The ergonomic wheel lift reduces fatigue on the operator and increases productivity.



Automatic mounting demounting cycle

Facilitates all mounting and demounting operations. It makes operations with run-flat tyres and UHP tyres easy.

THE SWING-ARM TYRE CHANGER

with low footprint and 20" outside clamping capability ideal for the use in general service shops

- The strong and rugged design of all components ensures long life
- The mounting arm swings to the side so that the machine can be installed in a space-saving way directly near a wall
- The double-acting bead breaker cylinder ensures gentle handling of rims
- The bead breaker is provided with a large anti-skid rubber pad to protect tyres and rims
- Plastic protectors inside the mounting head protect delicate alloy rims
- The one-part mounting head is manually adjusted in spaced-apart position relative to the rim to avoid any damage
- The S 30-20 comes standard with the professional bead lever plus
- The MH 310 PRO pneumatic bead assist device, jaw and blade protectors are available as optional extras

| Technical Specification | S 30-20 |
|--|---------------------------------|
| Clamping range | 10" - 22" |
| Max. wheel width | 12" (305 mm) |
| Max. wheel diameter | 39.4" (1000 mm) |
| Bead breaker (BB) | |
| Breaking force | 12 kN |
| Clamping flange | |
| Rotation speed | CW 8 rpm CCW 8 rpm |
| Speed control | Switch |
| Max. torque | 1020 Nm |
| Inflation and bead seating | |
| Bead seating- Top-side inflation: 24 l / 6.34 gal | GT versions |
| Pneumatic bead assist | |
| Pneumatic bead assist | MH310 PRO Optional |
| Wheel lift | |
| Wheel lift | Optional |
| Capability | 70 kg |
| Electrical specifications | |
| Standard power supply | 400V 3ph 50Hz 5,5A |
| Installed motor power | 0,75 kW |
| Dimensions | |
| Maximum dimensions (W x D x H) | 1150 x 1250 x 1730 mm |
| Machine weight | 205 kg 235 kg GT versions |



THE PNEUMATIC TILT-BACK POST TYRE CHANGER

with low footprint and 20" outside clamping capability ideal for the use in general service shops and low-volume tyre

- Pneumatic control such as tilting of the post and locking of the post in working position combines user-friendliness with high precision.
- The strong and rugged design of all components ensures long life.
- The double-acting bead breaker cylinder ensures gentle handling of rims.
- The bead breaker is provided with a large anti-skid rubber pad to protect tyres and rims.
- Plastic protectors inside the mounting head protect delicate alloy rims.
- The one-part mounting head is manually adjusted in spaced-apart position relative to the rim to avoid any damage.
- The A 30-20 comes standard with the professional bead lever plus.
- The MH 320 PRO pneumatic bead assist device, jaw and blade protectors are available as optional extras.

| Technical Specification | A 30-20 |
|--|---------------------------------|
| Clamping range | 10" - 22" |
| Max. wheel width | 13" (330 mm) |
| Max. wheel diameter | 39.4" (1000 mm) |
| Bead breaker (BB) | |
| Breaking force | 12 kN |
| Clamping flange | |
| Rotation speed | CW 8 rpm CCW 8 rpm |
| Speed control | Switch |
| Max. torque | 1020 Nm |
| Inflation and bead seating | |
| Bead seating- Top-side inflation: 24 l / 6.34 gal | GT versions |
| Pneumatic bead assist | |
| Pneumatic bead assist | MH320 PRO Optional |
| Wheel lift | |
| Wheel lift | Optional |
| Capability | 70 kg |
| Electrical specifications | |
| Standard power supply | 400V 3ph 50Hz 5,5A |
| Installed motor power | 0,75 kW |
| Dimensions | |
| Maximum dimensions (W x D x H) | 1160 x 1700 x 1850 mm |
| Machine weight | 230 kg 250 kg GT versions |



PNEUMATIC TILT-BACK POST TYRE CHANGERS IDEAL

for the use in general service shops and tyre shops

- The A 30-22 is powered with the new PROspeed inverter technology
- Outer clamping range up to 22", even up to 28" with optional adaptors
- The machines are equipped with a double-acting bead breaking cylinder and an oversize bead breaker blade which protect tyre and rim
- Alloy rims are handled particularly gently as the mounting head and the clamping jaws are provided with plastic protectors. The one-part mounting head is manually adjusted in spaced-apart position relative to the rim to avoid any damage
- The self-centring four-jaw turntable is controlled by two clamping cylinders – quickly and accurately
- The bead breaker is adjustable in three positions, granting high performance and flexibility. The adjustable blade inclination allows adjustment to different wheel diameters
- For convenient and accurate inflation the machines come standard with a pedal-operated tyre inflator and a precision gauge fitted on the post

| Technical Specification | A 30-22 2S |
|--|---------------------------------|
| Clamping range | 10"-24" |
| Max. wheel width | 13" (330 mm) |
| Max. wheel diameter | 39.4" (1000 mm) |
| Bead breaker (BB) | |
| Breaking force | 12 kN |
| Clamping flange | |
| Rotation speed | CW 7 -18 rpm CCW 7 rpm |
| Speed control | PROspeed |
| Max. torque | 1200 Nm |
| Inflation and bead seating | |
| Bead seating- Top-side inflation: 24 l / 6.34 gal | GT versions |
| Pneumatic bead assist | |
| Pneumatic bead assist | MH320 PRO Optional |
| Wheel lift | |
| Wheel lift | Optional |
| Capability | 70 kg |
| Electrical specifications | |
| Standard power supply | 230V 1ph 50-60Hz 16A |
| Installed motor power | 0,9 kW |
| Dimensions | |
| Maximum dimensions (W x D x H) | 1300 x 1700 x 1870 mm |
| Machine weight | 230 kg 250 kg GT versions |



PNEUMATIC TILT-BACK POST TYRE CHANGERS IDEAL for the use in tyre shops

- The A 30-24 is powered with the new PROspeed inverter technology
- On A 30-24 the self-centring turntable with redesigned sliding jaws offers a clamping range of up to 24", even up to 28" with optional adaptors
- The machines are equipped with a double-acting bead breaking cylinder and an oversize bead breaker blade which protect tyre and rim
- Alloy rims are handled particularly gently as the mounting head and the clamping jaws are provided with plastic protectors. The one-part mounting head is manually adjusted in spaced-apart position relative to the rim to avoid any damage
- The self-centring four-jaw turntable is controlled by two clamping cylinders – quickly and accurately
- The bead breaker is adjustable in three positions, granting high performance and flexibility. The adjustable blade inclination allows adjustment to different wheel diameters
- For convenient and accurate inflation the machines come standard with a pedal-operated tyre inflator and a precision gauge fitted on the post
- The tool box with integrated pressure gauge keeps tools and valves within easy reach of the operator

| Technical Specification | A 30-24 2S |
|--|---------------------------------|
| Clamping range | 10"-24" |
| Max. wheel width | 13" (330 mm) |
| Max. wheel diameter | 39.4" (1000 mm) |
| Bead breaker (BB) | |
| Breaking force | 12 kN |
| Clamping flange | |
| Rotation speed | CW 7 -18 rpm CCW 7 rpm |
| Speed control | PROspeed |
| Max. torque | 1200 Nm |
| Inflation and bead seating | |
| Bead seating- Top-side inflation: 24 l / 6.34 gal | GT versions |
| Pneumatic bead assist | |
| Pneumatic bead assist | MH320 PRO Optional |
| Wheel lift | |
| Wheel lift | Optional |
| Capability | 70 kg |
| Electrical specifications | |
| Standard power supply | 230V 1ph 50-60Hz 16A |
| Installed motor power | 0,9 kW |
| Dimensions | |
| Maximum dimensions (W x D x H) | 1220 x 1700 x 1870 mm |
| Machine weight | 240 kg 260 kg GT versions |



PNEUMATIC TILT-BACK TYRE CHANGERS RECOMMENDED for garages and tyre shops with medium to high tyre service volume

- Also available with pneumatic mounting tool MH 320 PRO and plus kit for handling of UHP and run-flat tyre systems
 - Outer clamping range of up to 24"
 - A double-acting bead breaking cylinder and an oversize bead breaker blade prevent damage to rim and tyre. The bead breaker arm is adjustable
 - Alloy rims are handled particularly gently as the mounting head and the clamping jaws are provided with plastic protectors. The one-part mounting head can be adjusted in spaced-apart position relative to the rim
 - Pneumatic pedal-operated tilting adds user-friendliness. Pneumatic locking of the post in working position ensures precision
 - Racing cabinet - the lower floor to turntable height
- improves ergonomics and facilitates operations with large tyres
 - The center-type turntable with four sliding jaws is controlled by two clamping cylinders – quickly and accurately
 - The Super LX 24 is powered with the new PROspeed inverter technology
 - Pedal-operated inflator. Additional top-side bead seater on GT versions
 - Practical tool box for tools and valves, including integrated pressure gauge

| Technical Specification | SUPER LX 24 |
|---|---------------------------------|
| Clamping range | 10" -24" |
| Max. wheel width | 15" (380 mm) |
| Max. wheel diameter | 39.4" (1000 mm) |
| Bead breaker [BB] | |
| Breaking force | 12 kN |
| Clamping flange | |
| Rotation speed | CW 7 -18 rpm CCW 7 rpm |
| Speed control | PROspeed |
| Max. torque | 1200 Nm |
| Inflation and bead seating | |
| Bead seating - Top-side inflation: 24 l / 6.34 gal | GT versions |
| Pneumatic bead assist | |
| Pneumatic bead assist | MH320 PRO Optional |
| Wheel lift | |
| Wheel lift | Optional |
| Capability | 70 kg |
| Electrical specifications | |
| Standard power supply | 230V 1ph 50-60Hz 16A |
| Installed motor power | 0,9 kW |
| Dimensions | |
| Maximum dimensions (W x D x H) | 1320 x 1640 x 1900 mm |
| Machine weight | 280 kg 300 kg GT versions |



PNEUMATIC TILT-BACK TYRE CHANGERS RECOMMENDED

for garages and tyre shops with high tyre service volume, mostly handling large and wide tyres

- Comes standard with pneumatic bead assist MH 320 PRO
- All conventional tyres available in the market can be handled quickly and easily
- Owing to the large outer clamping range – up to 26" – (up to 30" with optional clamping jaws) the machine is perfectly suited to handle very large wheels
- A double-acting bead breaking cylinder and an oversize bead breaker blade prevent damage to rim and tyre. The bead breaker arm is adjustable
- Alloy rims are handled particularly gently as the mounting head and the clamping jaws are provided with plastic protectors. The one-part mounting head can be adjusted in spaced-apart position relative to the rim; approach to the rim flange is accomplished pneumatically
- The pneumatic tilt-back post and the four ergonomic pedals stand for user-friendly operation
- The center-type turntable with four sliding jaws is controlled by two clamping cylinders – quickly and accurately
- The Super LX 26 is powered by the new PROspeed inverter technology
- Pedal-operated quick-inflating device for quick and safe tyre inflation.
- Practical tool box for tools and valves, including an integrated pressure gauge

| Technical Specification | SUPER LX 26 |
|--|---------------------------------|
| Clamping range | 12"-26" |
| Max. wheel width | 17" (431 mm) |
| Max. wheel diameter | 47" (1200 mm) |
| Bead breaker (BB) | |
| Breaking force | 12 kN |
| Clamping flange | |
| Rotation speed | CW 7 -14 rpm CCW 7 rpm |
| Speed control | PROspeed |
| Max. torque | 1200 Nm |
| Inflation and bead seating | |
| Bead seating- Top-side inflation: 24 l / 6.34 gal | GT versions |
| Pneumatic bead assist | |
| Pneumatic bead assist | MH320 PRO Standard |
| Wheel lift | |
| Wheel lift | Optional |
| Capability | 70 kg |
| Electrical specifications | |
| Standard power supply | 230V 1ph 50-60Hz 16A |
| Installed motor power | 0,9 kW |
| Dimensions | |
| Maximum dimensions (W x D x H) | 1720 x1920 x2260 mm |
| Machine weight | 310 kg 330 kg GT versions |



AUTOMATION AND CONTROL

accuracy, control and power

- **Accurate:** The automatic tyre changer Quadriga 1000 was developed to relieve the operator and to minimise error sources thanks to its substantially automatic procedures. The controlled power and accuracy of this machine allows to carry out all operations – especially bead breaking – efficiently and gently at the same time
- **Versatile:** This tyre changer is capable of handling all conventional wheels presently in the market as well as UHP and run-flat tyres of up to 30" rim diameter and 47" wheel diameter
- **Ergonomic:** Owing to its intelligent and ergonomic design, the time-saving procedures and its universal application the Quadriga 1000 is also suited for shops with a high tyre service volume
- **Fully automatic:** This nearly fully automatic tyre changer offers several programs to customise mounting and demounting procedures to the individual requirements at site
- **Controlled:** Despite of automatic operation the user is always in control of all work processes. As long as he actuates the joystick, operations are carried out automatically
- Once joystick is released, the automatic procedure is interrupted – which is possible at any time, for example in order to lubricate the tyre. If necessary it is also possible to repeat program steps

| Technical Specification | Quadriga 1000 |
|--|----------------------------|
| Clamping range | 12"-30" |
| Max. wheel width | 17" (431 mm) |
| Max. wheel diameter | 47" (1200 mm) |
| Bead breaker (BB) | |
| Breaking force | - |
| Clamping flange | |
| Rotation speed | CW 7 - 14 rpm CCW 7 rpm |
| Speed control | Inverter |
| Max. torque | 1020 Nm |
| Inflation and bead seating | |
| Bead seating- Top-side inflation: 24 l / 6.34 gal | GT versions |
| Pneumatic bead assist | |
| Pneumatic bead assist | Top side bead pressor |
| Wheel lift | |
| Wheel lift | Standard Self centering |
| Capability | 70 kg |
| Electrical specifications | |
| Standard power supply | 230V 1ph 50-60Hz 16A |
| Installed motor power | 0,9 kW |
| Dimensions | |
| Maximum dimensions (W x D x H) | 1350 x 2240 x 1850 mm |
| Machine weight | 880 kg |



TYRE CHANGERS

Systems



ACCESSORIES

| | S30-20 | A30-20 | A30-22 2S | A30-24 2S | SUPER LX24 | SUPER LX26 | Vulcan PRO | Quadriga 1000 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|---------------|
| Plastic tyre protector - clip-on type | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional |
| Smart Bead Spacer Tail | Optional | Optional | Optional | Optional | Optional | Optional | Standard | Optional |
| Clamping accessories | | | | | | | | |
| +6" adaptors, for centre type fixed jaws | Optional | Optional | Optional | / | / | / | / | / |
| +4" adaptors, for centre type sliding jaws | / | / | / | Optional | / | / | / | / |
| +4 jaws for sliding jaws, off-center type, including plastic insert, set of 4 | / | / | / | / | Optional | Optional | / | / |
| M/D tool accessories | | | | | | | | |
| M/D tool protector cars and motorcycles | Standard | Standard | Standard | Standard | Standard | Standard | / | / |
| Quick exchange device with plastic mounting head | Optional | Optional | Optional | Optional | Optional | Optional | / | / |
| Motorcycle accessories | | | | | | | | |
| Motorcycle adaptors | Optional | Optional | Optional | Optional | Optional | Optional | / | / |
| Wheel lift | | | | | | | | |
| | Optional CW 1015 | Optional CW 1015 | Optional CW 1015 | Optional CW 1015 | Optional CW 1025 | Optional CW 1035 | Optional | Standard |



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