

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.



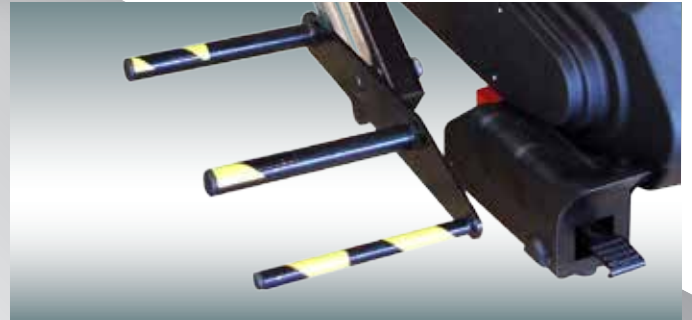
Leverless tool

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.



ESDB™ (Electronic Sync Dual Bead-Breaker)

The unique dual-disc bead breaker with servo drive. Bead breaking in an upright position: faster, easier, ergonomic and effortless. The bead roller is applied to detach both soft and stiff beads.

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 shops —

- 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 (additional optional adaptors required for PAX and CSR tyres)
- 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 self-centring off-centre 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 self-centring off-centre 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



HIGH-PRODUCTIVITY TYRE CHANGER

semi-automatic tyre changer with dynamic bead breaking

- The integrated demounting finger 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
- **ESDB™ (Electronic Sync Dual Bead-Breaker):** The unique dual-disc bead breaker with servo drive. Bead breaking in an upright position: faster, easier, ergonomic and effortless. The bead roller is applied to detach both soft and stiff beads
- **Match-mounting:** run-out vibrations that can be eliminated only by repositioning the tyre on the rim. The Vulcan PRO makes match-mounting easy
- **Tyre inflator:** Ergonomically operated by the pedal. Also available with top-side bead seating kit (GT version)
- **Integrated demounting finger:** Improves productivity as it works fast with standard and hard sidewall tyres
- **Tool box:** Ergonomic storage for valves and tools
- **Centre type quick fit wheel clamping flange:** Fast, safe and precise
- **Wheel lift:** Fast and ergonomic, it reduces the effort when handling large and heavy wheels.
- **2-Speed inverter:** Precision and high torque at low speed for the best mounting and demounting result
- **Bead press arm mh:** The innovative design gives better performance with low profile tyres and protects the rim

Technical Specification	Vulcan PRO
Clamping range	12" -30"
Max. wheel width	15" (380 mm)
Max. wheel diameter	47" (1200 mm)
Bead breaker (BB)	
Breaking force	11,5 kN
Clamping flange	
Rotation speed	CW 7 - 14 rpm CCW 7 rpm
Speed control	Inverter
Max. torque	1500 Nm
Inflation and bead seating	
Bead seating- Top-side inflation: 24 l / 6.34 gal	Advanced GT and Platinum version only
Pneumatic bead assist	
Pneumatic bead assist	Top side bead pressor
Wheel lift	
Wheel lift	Standard on Platinum - Optional other models
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)	1500 x 1700 x 2260 mm
Machine weight	480 kg



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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