

TYRE CHANGERS

monty®

TYRE CHANGERS

MONTY®



SMARTSPEED™

HOFMANN® 



Bead breaker blade

Owing to its special shape the bead breaker blade handles rims most gently and facilitates operation considerably.



GP models

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



Pneumatic vertical arm

Fast and ergonomic: the pneumatic vertical arm facilitates positioning of the mounting head on all wheels (monty® 3300 racing smartSpeed).



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

Plus configuration

The plus models are certified by wdk. They come standard with easymont® pro and plus kit that enable the correct mounting and demounting of UHP and run-flat tyres.

high capability

With the outer clamping range up to 24" and a wheel width capability up to 15" the monty® 3300 racing smartSpeed is designed to mount and demount almost all OE wheels.

Accurate Clamping

The self-centring jaws actuated by two clamping cylinders provide a high clamping force, avoiding that the rim slips in the jaws – the wheel is accurately centred and clamped. Sliding jaws allow a shorter cylinder stroke, reducing clamping time and increasing clamping force (monty® 3300-24 and racing smartSpeed). They come with a rounded profile specially developed to accommodate modern rims.

Ergonomic

Low cabinet allows working at a more comfortable height even with very large wheels. The specially designed contact surface makes bead breaking ergonomic and simple (monty® 3300 racing smartSpeed only).





Heavy-duty design

The rugged cabinet and tower are highly resistant to torsion, meeting the requirements of modern tyre service technology.

Bead breaker

The tyre changers are equipped with a double-acting bead breaking cylinder so that the bead breaker is applied carefully and with no damage to the rim. Both arm length and blade inclination of the bead breaker are adjustable, which grants high performance and flexibility. The rubber pad and the plastic blade protector protect rims from damage.

Mounting head

The mounting head is provided with plastic inserts to make sure no rim is damaged. It is automatically locked in spaced-apart position to the rim avoiding any risk of damage.



Plus kit

The plus kit is certified by wdk. It consists of plastic bead breaker disc, tyre lever plus, rod with tapered roll, plastic tyre protector, triangular bead pusher, spacers and plastic protector for bead breaker blade, Smart Bead Spacer and a bead clamp.



Optional quick-exchange device with plastic mounting head

Owing to the quick exchange device, steel and plastic mounting heads can be quickly swapped over.



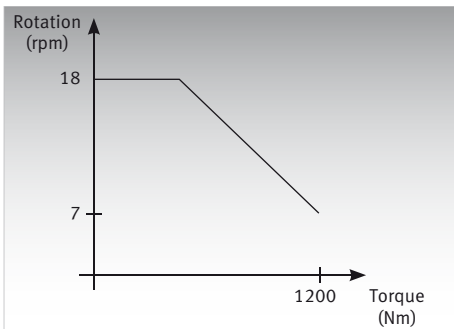
Simple

Gentle demounting with the bead pusher.



Optional smart bead spacer

For mounting UHP and run-flat tyres. The Smart Bead Spacer comes standard with the plus kit.



smartSpeed

SmartSpeed technology is the best choice for high-productivity workshops. It provides maximum speed in mounting and demounting operations depending on the torque applied.

SMARTSPEED / EASYMONT® PRO

Pneumatic bead assist device easymont® pro



SMARTSPEED

- The smartSpeed inverter technology comes standard with monty® 3300-22 smartSpeed, monty® 3300-24 smartSpeed and monty® 3300 racing smartSpeed. smartSpeed will never exceed maximum torque thus preventing damage to the tyre bead. In the first pedal position a fixed speed of as low as 7 rpm is provided which is useful for critical tasks and when full control is required. In the second pedal position the operator does not need to change speed, smartSpeed always uses the maximum possible speed up to 18 rpm which reduces cycle time and increases productivity.
- Both monty® 1270 smart and 3300-20 smart are single-speed machines with re-designed motor and gearbox to ensure the ruggedness required for modern tyre service.

EASYMONT® PRO

- The powerful pneumatic bead assist device is an indispensable accessory for mounting and demounting tyres which are difficult to handle, such as low profile tyres and run flat tyre systems or tyres with hard sidewalls. It is an optimum complement to a tyre changer.
- During the demounting operation the bead pusher presses the upper bead into the drop centre of the rim so that it can be easily levered over the mounting head nose and finally demounted without any effort.
- During the mounting operation of the upper bead the disc retains the bead under the mounting head nose. The bead pusher follows rotation of the wheel, doing the otherwise tedious job of the operator, while preserving both tyre and rim.
- The pneumatic bead assist device is an optional extra for tyre changers from monty® 1270 smart (easymont® pro swing) up to monty® 3300 racing smartSpeed (easymont® pro) and can be easily fitted by the customer. It is a standard feature of all plus tyre changers.

MONTY® 1270 SMART/MONTY® 3300-20 SMART PLUS

Table-top tyre changers with single speed



MONTY® 1270 SMART

- monty® 1270 smart – 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 monty® 1270 smart comes standard with the short tyre lever.
- The easymont® pro swing pneumatic bead assist device, jaw and blade protectors are available as optional extras.

ADDITIONAL FEATURES OF MONTY® 3300-20 SMART PLUS

- monty® 3300-20 smart plus – 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.
- Certified by wdk for handling of UHP and run-flat tyres under certification no. 05-074, GP models under no. 05-075
- The plus model comes standard with the pneumatic bead assist device easymont® pro and the plus kit which are specially designed for mounting and demounting of UHP and run-flat tyre systems (additional optional adaptors required for PAX and CSR tyres).
- Also available as monty® 3300-20 smart without easymont® pro and plus kit and as monty® 3300-20 smart EM with easymont® pro, but without plus kit (not certified).
- Pneumatic control such as tilting of the post and locking of the post in working position combines user-friendliness with high precision.

MONTY® 3300-22/3300-24/3300 RACING SMARTSPEED PLUS
 Table-top tyre changers with smartSpeed technology



MONTY® 3300-22 SMARTSPEED PLUS

- monty® 3300-22 smartSpeed plus – The pneumatic tilt-back post tyre changer, 22“ outside clamping capability and smartSpeed technology – ideal for the use in general service shops and tyre shops.
- Certified by wdk under certification number 05-076, GP model under 05-077
- Also available as monty® 3300-22 smartSpeed without easymont® pro and plus kit and as monty® 3300-22 smartSpeed EM with easymont® pro, but without plus kit (not certified).
- The machines are equipped with a double-acting bead breaking cylinder and an oversize bead breaker blade which protect tyre and rim.
- Plastic protectors on mounting head and clamping jaws prevent damage to the rim as does the manual adjustment of the mounting head in spaced-apart position.
- 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.

ADDITIONAL FEATURES OF MONTY® 3300-24 SMARTSPEED PLUS

- monty® 3300-24 smartSpeed plus – The pneumatic tilt-back post tyre changer – ideal for the use in general service shops and tyre shops.
- Certified by wdk under certification number 05-080, GP model under 05-081
- The self-centring turntable with redesigned sliding jaws offers a clamping range of up to 24“, even up to 28“ with optional adaptors.
- A tool box keeps tools and valves within easy reach of the operator. It also houses the precision gauge of the tyre inflator.
- Also available as monty® 3300-24 smartSpeed without easymont® pro and plus kit and as monty® 3300-24 smartSpeed EM with easymont® pro, but without plus kit(not certified).

ADDITIONAL FEATURES OF MONTY® 3300 RACING SMARTSPEED PLUS

- monty® 3300 racing smartSpeed plus – The pneumatic tilt-back post tyre changer, 24“ outside clamping capability and 15“ maximum wheel width – ideal for the use in high-volume tyre shops and car dealerships.
- Certified by wdk under certification number 05-084, GP model under 05-085
- The mounting head is located on a pneumatic vertical arm easy to operate with any type and size of wheel. All arm settings are made by a single switch.
- The horizontal arm is supported on rollers for speedy and smooth operation.
- The low cabinet offers an ergonomic working height for the operator even with very wide wheels.
- Also available as monty® 3300 racing smartSpeed without easymont® pro and plus kit and as monty® 3300 racing smartSpeed EM with easymont® pro, but without plus kit(not certified).

MONTY® 8300 SMARTSPEED

Centre-clamp tyre changers



MONTY® 8300 SMARTSPEED SERIES

- The monty® 8300 smartSpeed series – The high-volume tyre changers for wheels up to 44" – ideal for the use in high-volume tyre shops and car dealerships.
- The monty® 8300 smartSpeed series covers pneumatic tilt-back post car tyre changers which combine conventional solutions such as mounting head plus tyre lever and on-side bead breaker with the innovative centre-clamp design and automatic pilot hole clamping. The smartSpeed inverter technology optimises mounting and demounting speeds up to 20 rpm and helps to increase productivity.
- monty® 8300s smartSpeed with tilt-back tower, smartSpeed technology, pneumatic bead assist PBA
- monty® 8300g smartSpeed with additional top-side bead seating and inflating kit, bead press roller for the pneumatic bead assist and certified by wdk under certification number 05-071.
- monty® 8300p smartSpeed with additional top-side bead seating and inflating kit, bead press roller for the pneumatic bead assist, wheel lift and certified by wdk under certification number 05-070.



Wheel lift

The ergonomic wheel lift reduces fatigue on the operator and increases productivity. It comes standard on monty® 8300p smartSpeed and is optionally available for monty® 8300s and 8300g smartSpeed.



Centre clamp

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


















Conventional mounting head

The mounting head with tyre lever and the on-side bead breaker are a favourite choice of operators, combining familiar design with fast operation.



OPTIONAL EXTRAS

	26582	Plastic protector for bead breaker blade		4029455	+4\"
	4026853	Plastic rim protector set (option for monty® 1270 smart, 3300-20 smart, standard on all other tyre changers)		4030649	+6\"
	4024784	Plastic mounting head		4027629	Light-truck adaptors 17,5\"
	4027646	Plastic mounting head for rims with elevated spokes		4030651	Light-truck adaptors 17,5\"
	4029337	Mounting head for motorcycle wheels (not for monty® 8300 series)		4028568	Motorcycle adaptors for monty® racing smartSpeed/GP and monty® 3300-24 smartSpeed/GP
	4028229	Quick exchange device including plastic mounting head for rims with elevated spokes		4030648	Motorcycle adaptors for monty® 1270 smart, 3300-20 smart/GP and 300-22 smartSpeed/GP
	4028629	+4\"		4026290	Roller board for monty® 1270 smart up to monty® 3300 racing smartSpeed
				EAK-0279G89A	CW1015 wheel lift for monty® 3300-20 smart, 3300-22 smartSpeed, 3300-24 smartSpeed
				EAK-0279G86A	CW1025 wheel lift for monty® 3300 racing smartSpeed
				EAK-0317G64A	Wheel lift for monty® 8300s and g smartSpeed (standard on monty® 8300p smartSpeed)

TECHNICAL DATA

monty®		1270 smart	3300-20 smart plus/GP	3300-22 smartSpeed/GP plus	3300-24 smartSpeed/GP plus	3300 racing smartSpeed/GP plus	8300 smartSpeed
Inner clamping range	inch	12–22	12–22	12–24	12–24	12–24	12–26
Outer clamping range	inch	10–20	10–20	12–22	10–24	10–24	12–26
Rim width	inch	3–12	3–12	3–12	3–12	3–14	3–14
Max. tyre width	inch	13	13	13	13	15	15
Max. wheel diameter	mm	1000	1000	1000	1000	1000	1120
Speed	rpm	7	7	7 / 7–18	7 / 7–18	7 / 7–18	7–20
Bead breaking range	mm	70–340	70–340	40–392	40–392	40–392	40–390
Compressed air supply	bar	8–12	8–12	8–12	8–12	8–12	8–12
Dimensions (W x D x H)	mm	1150x1030x1730	1160x1700x1850	1300x1700x1860	1220x1700x1870	1350x1800x1920	1850x1960x2270
Weight	kg	173	300	300	310	315	485
Power supply		400 V 3ph 50 Hz	400 V 3ph 50 Hz	230 V 1ph 50–60 Hz	230 V 1ph 50–60 Hz	230 V 1ph 50–60 Hz	230 V 1ph 50–60 Hz

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