

V3400 MB-1

New Wheel Aligner Recommended by Daimler AG

The new John Bean V3400 MB-1 is the next generation of 3D wheel aligner designed specifically to meet the needs of the Mercedes Benz operating concept, available exclusively to Mercedes Benz repair centers. It is designed to assist the technician in provide quality alignment measurement and adjustments in full compliance with the OEM recommended processes.

- The aligner is self-calibrating multiple times a second
- The cameras automatically track with the vehicle as it is raised to produce the best accuracy and the most productivity a shop can have in a wheel aligner
- Takes up less space in front of the vehicle
- Passive targets require no power and are more durable than active components mounted to the wheels
- MB Quick Clamps ("MB-Schnellspannhalter") are fully supported and no rolling compensation is required. Simply mount the clamps and begin the adjustment process
- AC700 wheel clamps are also provided standard. These clamps support a short rollback procedure for compensation of the wheel clamp and wheel assembly

- System provides accurate measurements for all specific Mercedes Benz, Smart and Mercedes-Maybach vehicles.
 Vehicle specification updates are available through Daimler AG
- Software with enhanced features and more convenient operation
- Compatible to asanetwork
- Car-specific databases with setting aids of the past 25+ years
- 3D measurement screen with all relevant data
- Power supply 230 V, 50/60 Hz
- CE conform
- Mobile kit (optional)



Visualiner 3D2 MB Gen II

3D car wheel aligner

In addition to the advantages of 3D alignment like high accuracy and impressive speed, the Visualiner 3D2 MB Gen II is equipped with 20" TFT wide-screen monitor and features constant measurement of camber, caster and toe.

- RECOMMENDED BY MERCEDES-BENZ
- Movable camera beam support (lift work level 0 2.0 m)
- Mobile terminal with drawer for printer and compartment for PC plus additional storage space
- Set of 4 targets with high-performance wheel clamps 11" 22"
- PC with Windows operating systemand premium user software for Mercedes-Benz
- 20" TFT wide-screen monitor
- Colour printer
- Simple operation and quick accurate measured results
- Complete and up-to-date OEM specs incl. MB data
- Integrated MB procedures
- Measurement screen with all relevant data
- Advanced measurement of vehicle dimensions- live

- On-line help with 3D animated graphics
- 3D overall display
- EZ Toe® for easy and convenient settings at maximum steering angle
- EZ Access® for measurement with demounted wheels
- Compatible with asanetwork
- Cordless communication between targets and camera system
- Optional TIP (Target Imaging Pointer) for ride height measurement
- Standard accessories: Steering wheel holder, brake pedal lock, IR remote control, MB mechanical turntables, rollback kit, ROMESS bracket, MB adaptor for MKS system, MB documentation
- Finish in RAL 7015



Technical Specifications	Visualiner 3D2 MB Gen II
Track width	1220 mm – 2440 mm
Wheelbase	2010 mm – 4570 mm
Shipping weight	202 kg
Power requirements	230 V 1 ph 50-60 Hz

John Bean...

KEY FEATURES



MB-centering kit, necessary for all following car WBs (not included in Scope of Delivery)

MB centring kit obligatory for all car WB consisting of:

- Centring ring D66.42-66.5 / 84 mm for A/B/C/E/R/S/M/V class, SLK / Vaneo / Viano / Vito, G models / Sprinter / Series 200, 300
- Centring ring D57 / 60 mm for Smart, Citan
- \bullet Centring ring D161 mm for light truck series 400, 500, 600, 700 / T1 / T2 / Sprinter 3500



VPM technique

Measurement system for high precision and repeatability. (All models)



Smart Sonar™

Automatic, non-contact rim width acquisition delivers greater accuracy and ease of use for a 30% savings in complete process when compared to manual operation.



easyWEIGHT™

Pinpoint laser identifies exact weight placement location for increased accuracy and efficiency.



Power Clamp™

Patented automatic Power Clamp™ electromechanical clamps the wheel accurately with a constant force, reducing the opportunity for chasing weight.



easyALU™

Touch the rim with the gauge arm to enter the rim dimensions and automatically select the weight balancing mode.



PR0touch™

Intuitive as a video balancer, fast user interface, large digits, touchscreen and antiglare display.

Car wheel balancer with led display

The wheel balancer for tyre shops, car dealerships and garages with medium tyre service volume: with the easyWEIGHT $^{\text{IM}}$ pinpoint indicator light – an accurate, fast and easy solution to position adhesive weights on the wheel

- Power Clamp™ fast and accurate clamping device
- Intuitive dual 3-digit LED display for the amount readings and bright weight position indicators in ergonomic raised position
- easyWEIGHT™: Pinpoint laser light indicator to accurately and conveniently position adhesive weights on the wheel.
- Semi-automatic input of offset and rim diameter via 2D SAPE and automatic rim width acquisition via Smart Sonar™ – fast and easy
- Semi-automatic pre-selection of balancing mode via easyALU™
- · Imbalance minimisation and optimisation programs
- VPI measurement technique for uncompromised accuracy
- QuickBAL[™] for reduced measurement time: Short start-stop cycle time: 4.5 seconds (15" rim)
- Ergonomic weight tray

Technical Specifications	B500p
Measuring speed	< 200 rpm
Balancing accuracy	1 g
Angular resolution	± 0.35°
Start/Stop cycle	4.5 s
Diameter of shaft	40 mm
Length of shaft	225 mm
Wheel lift max. load	70 kg
Power supply	230 V 1ph 50/60 Hz
Dimensions L x W x H (Wheel guard open)	1383 x 878 x 1834 mm
Net weight	140 kg

Features	B500p
Display	LED display
Touchscreen	-
Wheel clamp	Power Clamp™
Dimension entry (Diameter & distance)	semi-automatc gauge arm
Dimension entry (Rim width)	Smart Sonar™
Stop in position	Yes
Laser pointer for tape weights	easyWEIGHT™
Rim Lighting	-
Wheel lift	Optional BW2010
Diagnostic features	-



Car wheel balancer with touchscreen monitor and Power Clamp™ device

The wheel balancer for tyre shops, car dealerships and garages with medium to high tyre service volume: with touchscreen monitor and easyWEIGHT $^{\text{TM}}$ pinpoint indicator light – An accurate, fast and easy solution to position adhesive weights on the wheel. With Power Clamp $^{\text{TM}}$ Device.

- Touchscreen monitor with graphical user interface GOLD improved intuitiveness and ergonomics
- With torque-controlled Power Clamp[™] device instead of quick nut
- High-productivity wheel balancer
- easyWEIGHT[™] laser light indicator for fast, accurate and pinpoint placement of adhesive weights on the wheel
- Semi-automatic input of offset and rim diameter via 2D SAPE and automatic rim width acquisition via Smart Sonar™
- Semi-automatic pre-selection of balancing mode via easyALU ™
- Rim lighting to facilitate rim cleaning and speed up data entry and weight positioning
- New ergonomic weight tray
- Imbalance minimisation and optimisation programs
- VPI measurement technique for uncompromised accuracy
- QuickBAL[™] for reduced measurement time: Short start-stop cycle time: 4.5 seconds (15" rim)

Technical Specifications	B600p
Measuring speed	< 200 rpm
Balancing accuracy	1 g
Angular resolution	± 0.35°
Start/Stop cycle	4.5 s
Diameter of shaft	40 mm
Length of shaft	225 mm
Wheel lift max. load	70 kg
Power supply	230 V 1ph 50/60 Hz
Dimensions L x W x H (Wheel guard open)	1381 x 877 x 1834 mm
Net weight	130 kg

B600p
Monitor 19"
Yes
Power Clamp™
semi-automatc gauge arm
Smart Sonar™
Yes
easyWEIGHT™
Yes
Optional BW2010
-



Car Wheel Balancer with Automatic Non-Contact Data Entry

The wheel balancer for garages, car dealerships, tyre shops and premium workshops with high tyre service volume. With touchscreen monitor, automatic non-contact data entry and easyWEIGHT $^{\text{TM}}$ pinpoint indicator light – An accurate, fast and easy solution to position adhesive weights on the wheel.

- High-productivity wheel balancer
- Rim scanner for:
 - automatic non-contact rim profiling
 - automatic selection of balancing mode and weight position
 - automatic acquisition of rim diameter and offset
- Smart Sonar[™] for automatic non-contact acquisition of rim width
- Touchscreen monitor with graphical user interface PLATINUM fast and very intuitive
- easyWEIGHT™: fast pinpoint bottom weight placement. Pinpoint laser light indicator to accurately position adhesive weights on the wheel

- Alternative positioning of adhesive weights with the gauge arm
- Torque-controlled Power Clamp[™] device fast and accurate clamping of the wheel
- Stop-in-Position feature where the operator only has to touch the amount of unbalance on the screen and the wheel is automatically indexed to correction position
- QuickBAL[™] for reduced measurement time: short start-stop cycle time: 4.5 seconds (15" rim)
- VPI measurement technique for uncompromised accuracy
- Imbalance minimisation and optimisation programs
- Compatible with asanetwork
- Print-out with optional printer

Technical Specifications	B800p
Measuring speed	< 200 rpm
Balancing accuracy	g
Angular resolution	0
Start/Stop cycle	4.5 s
Diameter of shaft	40 mm
Length of shaft	225 mm
Wheel lift max. load	70 kg
Power supply	230 V 1ph 50/60 Hz
Dimensions L x W x H (Wheel guard open)	1381 x 877 x 1834 mm
Net weight	130 kg

Features	B800p
Display	Monitor 19"
Touchscreen	Yes
Wheel clamp	Power Clamp™
Dimension entry (Diameter & distance)	Rim Scanner™
Dimension entry (Rim width)	Smart Sonar™
Stop in position	Yes
Laser pointer for tape weights	easyWEIGHT™
Rim Lighting	Yes
Wheel lift	Optional BW2010
Diagnostic features	-
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Car wheel balancer with non-contact data entry and diagnostic functions

The wheel balancer with diagnostic functions for tyre shops, garages and car dealerships with high tyre service volume. With touchscreen monitor, non-contact data entry and diagnostic functions. Unbalance measurement and run-out diagnosis are performed in a single fast measuring run.

- High-productivity wheel balancer
- Rim scanner for:
 - automatic non-contact rim profiling
 - automatic selection of balancing mode and weight position
 - automatic acquisition of rim diameter and offset
- Smart Sonar™ for automatic non-contact acquisition of rim width
- Run-out diagnosis combined with unbalance measurement in a single fast measuring run
- Recommendation for match-mounting, when possible, to reduce vibrations caused by radial run-out
- Touchscreen monitor with graphical user interface PLATINUM fast and very intuitive
- easyWEIGHT™: fast pinpoint bottom weight placement. Pinpoint laser light indicator to accurately position adhesive weights on the wheel

- Alternative positioning of adhesive weights with the gauge arm
- Torque-controlled Power Clamp™ device fast and accurate clamping of the wheel
- Stop-in-Position feature where the operator only has to touch the amount of unbalance on the screen and the wheel is automatically indexed to correction position
- QuickBAL[™] for reduced measurement time: short start-stop cycle time: 4.5 seconds (15" rim)
- VPI measurement technique for uncompromised accuracy
- Imbalance minimisation and optimisation programs
- Compatible with asanetwork
- Print-out with optional printer

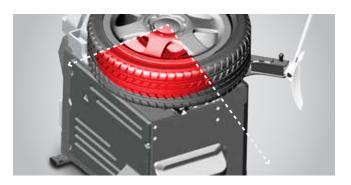
Technical Specifications	B1200p
Measuring speed	< 200 rpm
Balancing accuracy	1 g
Angular resolution	± 0.35°
Start/Stop cycle	4.5 s
Diameter of shaft	40 mm
Length of shaft	225 mm
Wheel lift max. load	n. a.
Power supply	230 V 1ph 50/60 Hz
Dimensions L x W x H (Wheel guard open)	1381 x 877 x 1834 mm
Net weight	150 kg

Features	B1200p
Display	Monitor 19"
Touchscreen	Yes
Wheel clamp	Power Clamp™
Dimension entry (Diameter & distance)	Rim Scanner™
Dimension entry (Rim width)	Smart Sonar™
Stop in position	Yes
Laser pointer for tape weights	easyWEIGHT™
Rim Lighting	Yes
Wheel lift	Optional BW2010
Diagnostic features	Run-out & matching



John Bean...

KEY FEATURES



PR0speed™

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



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.



Automatic mounting demounting cycle

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



Pneumatic vertical arm

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



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 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.

T5325 25 Plus

Pneumatic tilt-back post tyre changer with PROspeed™ technology

The tyre changer for use in general service shops and tyre shops with medium tyre service volume - with pneumatic tilt-back post, 22" outside clamping capability and PROspeed™ technology

- Certified by wdk for gentle and user-friendly mounting and demounting of UHP and run-flat tyres in line with OEM specifications
- With pneumatic mounting tool MH 320 pro and plus kit (standard equipment) for handling of UHP and run-flat tyre systems
- PROspeed[™] the new exclusive self-adjustable speed system with inverter technology
- Double-acting bead breaker cylinder
- Mounting head adjustable in spaced-apart position relative to the rim
- Self-centring four-jaw turntable

- Plastic protection inside jaws and on mounting head to avoid damage to alloy rims
- Pedal-operated tyre inflator with pressure gauge fitted on tower
- Quick-inflating valve
- Outer clamping range up to 22"
- Pedal-operated pneumatic tilt-back post
- Post pneumatically locked in working position
- Bead breaker adjustable in 3 positions
- Capable of mounting / demounting the majority of wheel assemblies in the market
- Optional wheel lift CW1015

Technical Specifications	T5325 2S plus
Clamping range	10"-24"
Max. wheel width	13"
Max. wheel diameter	39.4" (1000 mm)
Tool vertical positioning	Manual
Bead breaker range	40-392 mm
Breaking force	12 kN
Rotation speed	"CW 7 - 18 rpm CCW 7 rpm"
Max. torque	1200 Nm
Standard power supply	230V 1ph 50-60Hz 16A
Air pressure required	8-12 bar
Maximum dimensions (W x D x H)	1780 x 1600 x 1850 mm
Machine weight	295 kg

Features	T5325 2S plus
Wheel clamp	Jaws
Bead breaker	On floor
Chuck speed control	PROspeed™
Wheel lift	Option - CW1015



Pneumatic tilt-back post tyre changer with PROspeed™ technology

The tyre changer for use in general service shops and tyre shops with high tyre service volume - with pneumatic tilt-back post, 24" outside clamping capability and PROspeed™ technology. With top-side bead seating kit. WDK certified.

- Certified by wdk for gentle and user-friendly mounting and demounting of UHP and run-flat tyres in line with OEM specifications
- With pneumatic mounting tool MH 320 pro and plus kit (standard equipment) for handling of UHP and run-flat tyre systems
- PROspeed[™] the new exclusive self-adjustable speed system with inverter technology
- Sliding jaws with rounded profile and plastic protection inside offer an outer clamping range of 10" to 24", reduced clamping time and increased clamping force owing to cylinder with shorter stroke
- Tool box with integrated pressure gauge and four ergonomic shelves for valves, tools and accessories, attached on separate tower
- Double-acting bead breaker cylinder
- Mounting head adjustable in spaced-apart position relative to the rim

- Self-centring four-jaw turntable
- Plastic protection inside jaws and on mounting head to avoid damage to alloy rims
- Pedal-operated tyre inflator with pressure gauge fitted in the toolbox
- Quick-inflating valve
- With top-side bead seating kit (T5345B only)
- Outer clamping range up to 24"
- Pedal-operated pneumatic tilt-back post
- Post pneumatically locked in working position
- Bead breaker adjustable in 3 positions
- Capable of mounting / demounting the majority of wheel assemblies in the market
- Optional wheel lift CW1015

Technical Specifications	T5345 2S plus
Clamping range	10"-24"
Max. wheel width	13"
Max. wheel diameter	39.4" (1000 mm)
Tool vertical positioning	Manual
Bead breaker range	40-392 mm
Breaking force	12 kN
Rotation speed	CW 7 - 18 rpm CCW 7 rpm
Max. torque	1200 Nm
Standard power supply	230V 1ph 50-60Hz 16A
Air pressure required	8-12 bar
Maximum dimensions (W x D x H)	1900 x 1600 x 1850 mm
Machine weight	310 kg

Features	T5345 2S plus
Wheel clamp	Jaws
Bead breaker	On floor
Chuck speed control	PROspeed™
Wheel lift	Option - CW1015



Tyre changer for wheel width up to 15" and PROspeed™ technology

The tyre changer for use in high-volume tyre shops and car dealerships - with pneumatic tilt-back post, 24" outside clamping capability, 15" maximum wheel width and PROspeed™ technology. With top-side bead seating kit. WDK certified.

- Certified by wdk for gentle and user-friendly mounting and demounting of UHP and run-flat tyres in line with OEM specifications
- With pneumatic mounting tool MH 320 pro and plus kit (standard equipment) for handling of UHP and run-flat tyre systems
- PROspeed[™] the new exclusive self-adjustable speed system with inverter technology
- Double-acting bead breaker cylinder
- Mounting head adjustable in spaced-apart position relative to the rim
- Vertical positioning of the mounting head is carried out pneumatically, too - all settings are controlled through a single switch - quickly and ergonomically
- Sliding jaws with rounded profile and plastic protection inside offer an outer clamping range of 10" to 24", reduced clamping time and increased clamping force owing to cylinder with shorter stroke
- Conventional mounting / demounting tool (working range 8" 24") with steel mounting head and plastic inserts for gentle operation on wheels

- Turntable with centre-type sliding jaws. Two clamping cylinders provide 30 to 40 % more clamping force than singlecylinder machines
- Pedal-operated pneumatic tilt-back post
- Post pneumatically locked in working position
- On-floor bead breaker with adjustable blade inclination for different wheel diameters, adjustable in three positions to grant high performance and flexibility
- Tool box with integrated pressure gauge and four ergonomic shelves for valves, tools and accessories, attached on separate tower
- Pedal-operated inflator
- Quick-inflating valve
- With top-side bead seating kit (T5545B 2S Plus only)
- Low cabinet offers an ergonomic height even with very wide wheels
- Maximum wheel width of 15" covers all current 0EM wheels in the market

Technical Specifications	T5545 2S plus
Clamping range	10"-24"
Max. wheel width	15"
Max. wheel diameter	39.4" (1000 mm)
Tool vertical positioning	Pneumatic
Bead breaker range	40-392 mm
Breaking force	12 kN
Rotation speed	"CW 7 - 18 rpm CCW 7 rpm"
Max. torque	1200 Nm
Standard power supply	230V 1ph 50-60Hz 16A
Air pressure required	8-12 bar
Maximum dimensions (W x D x H)	1920 x 1615 x 1685 mm
Machine weight	310 kg
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Features	T5545 2S plus
Wheel clamp	Jaws
Bead breaker	On floor
Chuck speed control	PROspeed™
Wheel lift	Option - CW1015



Centaur Platinum

Semi-automatic car tyre changer - demounting without tyre lever

High-productivity tyre changer for car tyres: productive – time-saving – professional. With wheel lift, pedal-operated inflation system, additional top-side bead seating device, pneumatic bead press arm MH, sidewall press arm, laser pointer for accurate positioning of mounting tool. WDK certified.

- WDK certification
- Automatic mounting tool
- Automatic swing arm for reduced space requirement
- Centre post quick-fit clamping flange
- ESDB™ Electronically synchronised dual-disc bead breaker for ergonomic operation
- Inverter-controlled motor for 2 speeds for optimum results
- Pneumatic bead press arm to protect the rims
- Sidewall press arm for easy demounting of hard sidewall tyres
- Laser pointer for accurate positioning of the mounting tool
- Top-side bead seating kit
- Wheel lift for easy lifting of heavy wheels
- For standard, low profile, UHP and run-flat tyres

Technical Specifications	Centaur Platinum
Clamping range	12"-30"
Max. wheel width	15"
Max. wheel diameter	47" (1200 mm)
Tool vertical positioning	Pneumatic
Bead breaker range	
Breaking force	11,5 kN
Rotation speed	CW 7 - 14 rpm CCW 7 rpm
Max. torque	1500 Nm
Standard power supply	230V 1ph 50-60Hz 16A
Air pressure required	8-12 bar
Maximum dimensions (W x D x H)	1700 x 1500 x 2260 mm
Machine weight	480 kg

Features	Centaur Platinum
Wheel clamp	Center post
Bead breaker	Dinamic two discs
Chuck speed control	Inverter
Wheel lift	Standard



Automatic tyre changer

The automatic tyre changer for high-volume shops, combining automatic procedures with utmost safety and ease of use. With top-side bead seating kit. WDK certified.

- · Certified by WDK
- Non-contact detection of rim contour by laser
- Automatic control of mounting and demounting tools, user only has to start operation on the control console
- Automatic labour-saving and accurate positioning of wheels on clamping flange by means of wheel lift
- For rims of 12" 30"

- · Hydraulic clamping of wheel via center post clamping flange
- Dynamic bead breaker with two discs automatically operated by the machine
- Integrated bead pusher
- With pedal-controlled inflation via bead blast device
- Top-side bead seating kit

Technical Specifications	Quadriga
Clamping range	12"-30"
Max. wheel width	17"
Max. wheel diameter	47" (1200 mm)
Tool vertical positioning	Electrical
Bead breaker range	
Breaking force	11,5 kN (2585 lbs)
Rotation speed	"CW 7 - 14 rpm CCW 7 rpm"
Max. torque	1500 Nm
Standard power supply	230V 1ph 50-60Hz 16A
Air pressure required	8-12 bar
Maximum dimensions (W x D x H)	1350x2240x1850 mm
Machine weight	820 kg

Features	Quadriga
Wheel clamp	Hydraulic center post
Bead breaker	Dinamic two discs
Chuck speed control	Inverter
Wheel lift	Stendard



Daimler AG specifies minimum requirements to be met by any brake tester sold to any of their contractual garages, workshops or dealerships.

Product description

 Brake testers must meet the relative minimum requirements and be suitable for passenger cars, cross-country vehicles and vans up to 3.5 t (N1), and commercial vehicles such as trucks, buses and vans over 3.5 t (N2) respectively.



TL 204-RP



BT 4516/4520



BT 204



BT 4616

Every product, accessory or configuration with better characteristics / performance is, of course, according to the Mercedes-Benz criteria of, too.

Brake testers must be comply with country-specific requirements and statutory provisions. Approvals of the local boards and supervisory authorities must be obtained. At any rate local approvals / requirements supersede MB criteria.



EMEA-JA

Snap-on Equipment s.r.l. Via Prov. Carpi, 33 42015 Correggio (RE) Phone: +39 0522 733-411 Fax: +39 0522 733-479 www.snapon-equipment.eu

Germany

Snap-on Equipment GmbH Konrad-Zuse-Straße 1 · 84579 Unterneukirchen Phone: +49 8634 622-0 Fax: +49 8634 5501 www.snapon-equipment.de

Italy

Snap-on Equipment s.r.l. Via Prov. Carpi, 33 · 42015 Correggio (RE) Phone: +39 0522 733-411 Fax: +39 0522 733-410 www.snapon-equipment.eu

France

Snap-on Equipment France ZA du Vert Galant 15, rue de la Guivernone BP 97175 Saint-Ouen-l'Aumône 95056 Cergy-Pontoise CEDEX Phone: +33 134 48 58-78 Fax: +33 134 48 58-70 www.snapon-equipment.fr

United Kingdom

Snap-on Equipment Ltd. Unit 17 Denney Road, King's Lynn Norfolk PE30 4HG Phone: +44 118 929-6811 Fax: +44 118 966-4369 www.snapon-equipment.co.uk

Austria

Snap-on Equipment Austria GmbH Hauptstrasse 24/Top 14 A-2880 St. Corona/Wechsel (RE) Phone: +43 1 865 97 84 Fax: +43 1 865 97 84 29 www.hofmann-europe.com



Part of the machines is illustrated with optional extras which are available at extra cost. Technical and visual modifications

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