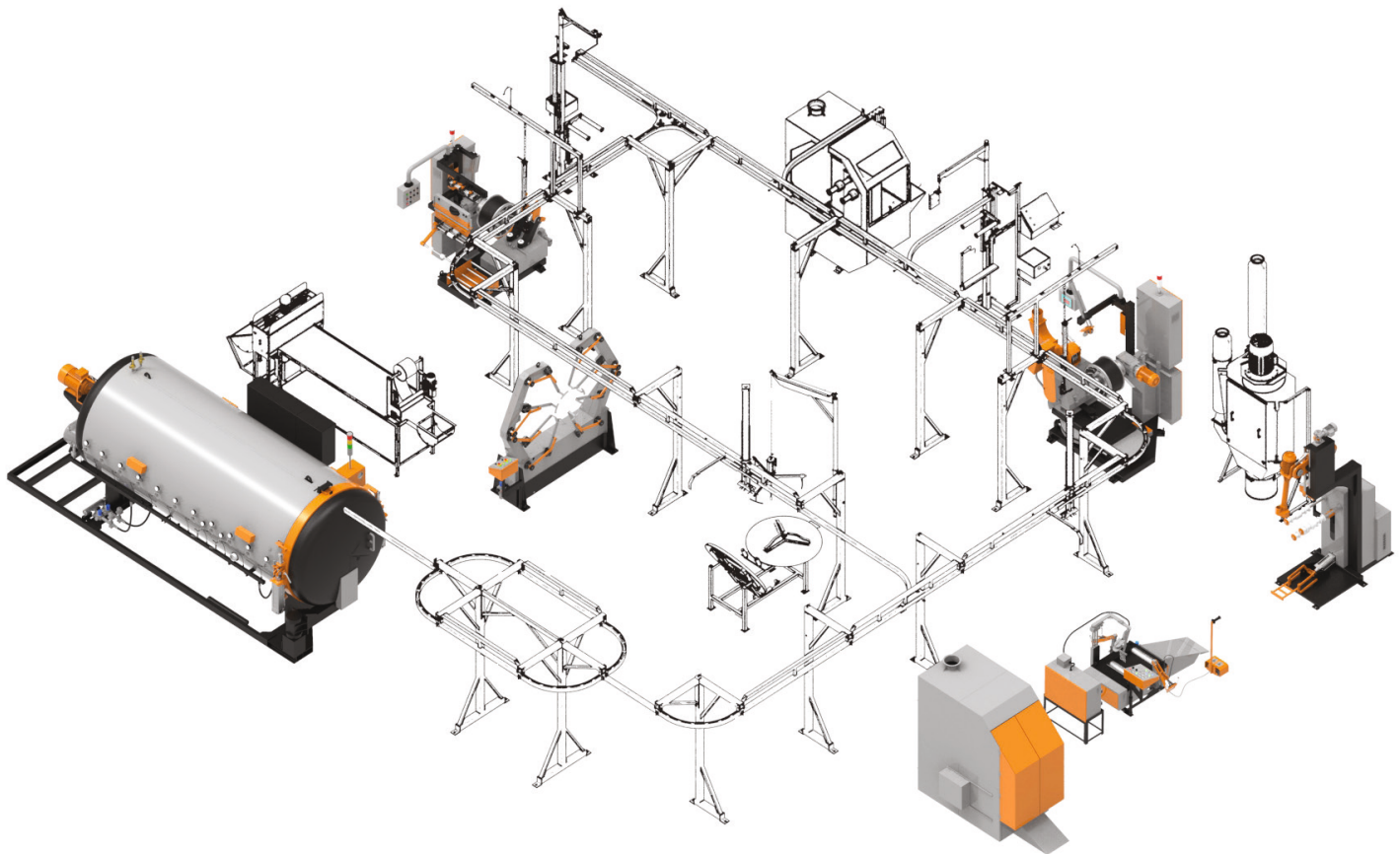




Tyre Retreading & Repair Machinery

6 Series



6 Series Tyre Retreading & Repair Machinery

| |
|---|
| Performance and capability of machines costing many times more |
| Designed from the ground up to meet the demands for high productivity, uniformity and reliability at an affordable price. |
| Capacities starting from 15 tyres per hour |
| Capable of retreading a wide range of light truck and truck casings in a bead diameter range from 14" to 24.5" |
| Handles section widths from 140 mm to 470 mm |
| Meets international occupational health and safety standards |
| Ergonomic design to facilitate operator movement and minimise fatigue |
| Compact footprint |
| Modular concept for easy upgrades |
| Designed for use with or without a monorail transport system (casing) |
| Available in a range of electric power supply specifications |
| Simple design – easy to operate and maintain |
| Robust for long lasting, trouble free operation |

Based on 315/80R22.5 casings. Output could vary based on process followed.

Refer to specifications sheets for individual machines.

Certification and compliance standards vary by country/region. Requirements need to be specified when ordering.

Technical data

| | |
|---|---|
| Tyre diameter range (mm / in) | 700 / 27.5 - 1300 / 51.2 |
| Section width range (mm / in) | 140 / 5.5 - 470 / 18.5 |
| Bead diameter range (in) | 14.0 - 24.5 |
| Bead width range (in) | 4.0 - 14.0 |
| X in Catalogue No. denotes power supply specifications (V / Hz / ph) | A 110/220 / 50/60 / 1 R 220 / 60 / 3 Ø 380 / 50 / 3 S 380 / 60 / 3 P 415 / 50 / 3 U 440 / 60 / 3 |

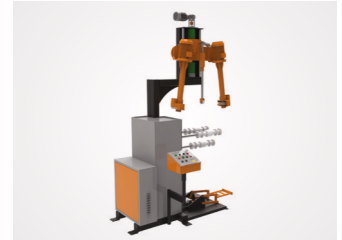
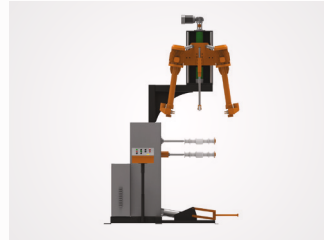
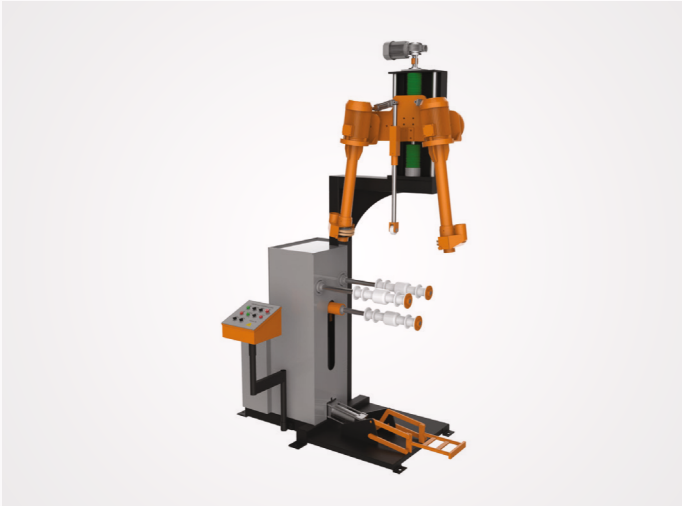
Tyre Sidewall Cleaner

TC 6

Machine for thorough cleaning of the sidewall of casings to enable inspection prior to retreading.

- High productivity - 20 casings (315/80R22.5) per hour.
- PLC controlled for automatic operation.
- Drive reverses on the return pass to prolong brush life.
- No damage to data on the casings.

- Suitable for bead diameters from 14" to 24.5" and section widths from 140 mm to 470 mm or 5.5" to 18.5".
- Operator adjustable brushing pressure.
- Pneumatic lift or loading and unloading.



Model
Catalogue No.
X Refer to Technical data in page 2 for

TC 6-3
MA01 63 -

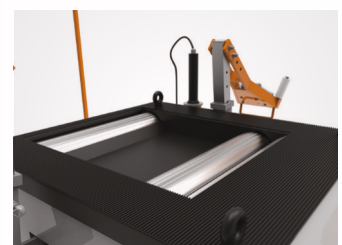
Inspection Spreader

IS 6

Casing spreader for internal and external inspection prior to and after retreading.

- Adjustable bi-directional casing rotation, 3 - 8 revolutions per minute (IS 6-2 & IS 6-3 only).
- LED lights in the claws for high level of illumination for inside inspection.
- Additional drive control in hand-held inspection lamp for ease of operation.

- Adjustable working height for ergonomic and fatigue free operation.
- Ramp for easy loading and unloading of casings.
- Optional non-destructive inspection system for detecting nail holes and small injuries (available for IS 6-3 only).
- Suitable for bead diameters from 14" to 24.5" and bead widths from 4" to 14".



Model
Catalogue No.
X Refer to Technical data in page 2 for

IS 6-1
MA05 61 -

IS 6-2
MA05 61 -

IS 6-3
MA05 61 -

Buffing Machine

BF 6

Buffing machine to remove the residual tread on casings in preparation for retreading.

High productivity - 17 casings (315/80R22.5) per hour.
 PLC controlled for automatic operation (BF 6-3 only).
 Low connected load and power consumption.
 Outstanding rasp blade life. Water mist system for improved cutting and increased rasp blade life.
 Optional under tread measuring system for measurement and control (standard on BF 6-3).
 Template controlled for multi-radius crown buffing.

Shoulder buffing capability (BF 6-2 and BF 6-3 only).
 Automatic operation - depth of cut, rasp head traverse, shut off when under tread is less than setting (BF 6-3 only).
 Optional circumference measurement devices (standard on BF 6-3).
 Stand-alone machine with the optional lifter integrated into a casing transport system (monorail).
 Suitable for bead diameters from 14" to 24.5" and section widths from 140 mm to 470 mm or 5.5" to 18.5".



Model
 Catalogue No.
 X Refer to Technical data in page 2 for

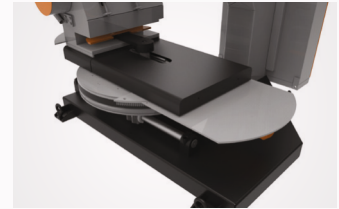
BF 6-1

MA11 61 -



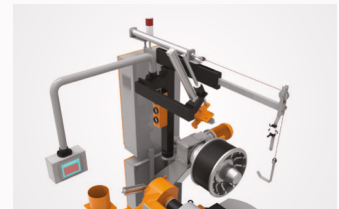
BF 6-2

MA11 62 -



BF 6-3

MA11 63 -



Building Machine

BI 6

Machine to apply and stitch precured treads onto casings.

High productivity - 15 casings (315/80R22.5) per hour.
 Designed to stitch wing treads.
 Variable speed drive to suit building requirements for various casing diameters.
 2 speed operation for cushion application directly on the casing.
 Built-in tread centre marking laser.
 Stand-alone machine with the optional lifter integrated into a monorail transport system (casing).

Wide range of optional accessories.

- » Mechanical tread centring device
- » Cushion gum let-off unit
- » Tread cutter
- » Tread edge marking lasers
- » 12m. tread roll support stand (3.4m unit standard)

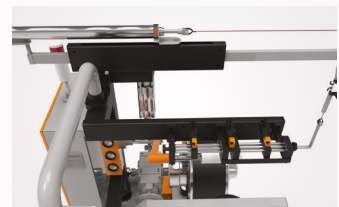
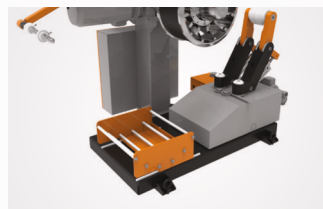
Suitable for bead diameters from 14" to 24.5" and section widths from 140 mm to 470 mm or 5.5" to 18.5".



Model
 Catalogue No.
 X Refer to Technical data in page 2 for

BI 6-3

MA46 63 -



Envelope Spreader

ES 6

Machine to install and remove envelopes from casings.

Minimum stress to prolong envelope life.

Pneumatically operated for smooth and co-ordinated movement of spreading claws.

Spreading claws designed to prevent tear and rupture of the envelopes during expansion.

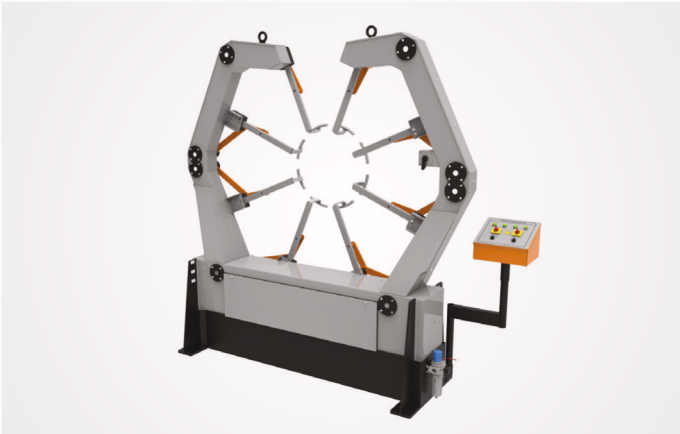
3 position height and opening adjustment to suit casing diameter to centre envelope opening to casing and prevent over expansion thereby optimizing envelope life (ES 6-2 and ES 6-3

only).

PLC control for automatic height and spread control (ES 6-3 only).

Can be used as a stand-alone machine with the optional tyre loading trolley or integrated into a casing transport system (monorail).

Suitable for casing diameters from 700 mm to 1300 mm or 27.5" to 51.2".

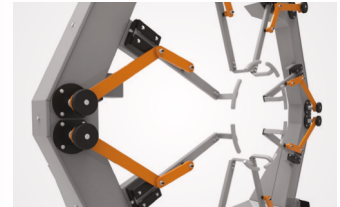


Model
Catalogue No.
A Refer to Technical data in page 2 for

ES 6-1
MA51 61



ES 6-2
MA51 62



ES 6-3
MA51 63 -



Electric Autoclave

EA 6

Pressure vessel used for vulcanising precured treads to the casings.

Designed to ASME specifications.

Differential pressure system (DPS/DPC/MEP) as standard.

Capacity - 2 to 24 casings (based on 315/80R22.5).

Suitable for casings with diameters from 700 mm to 1300 mm.

PLC control for accuracy and uniform repeatability.

Specially designed forced air circulation system for uniform temperature.

Accurate temperature control with 3 independent temperature sensors.

Wide range of optional equipment.

» Cure law (temperature/pressure) recorders.

» Remote monitoring (EA 6-3 only).

ASME compliance certificate or stamping (or other national certificates as appropriate) on request.



| Model | EA 6-2 02/60 | EA 6-3 02/60 | EA 6-2 04/60 | EA 6-3 04/60 | EA 6-2 07/60 | EA 6-3 07/60 | EA 6-2 11/60 | EA 6-3 11/60 | EA 6-2 24/60 | EA 6-3 24/60 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| No. of Tyres (based on 12.00-24.00 or 315/80R22.5) | 2 | | 4 | | 7 | | 11 | | 24 | |
| Cat. No. | MC56 62 - A | MC56 63 - A | MC56 62 - B | MC56 63 - B | MC56 62 - C | MC56 63 - C | MC56 62 - D | MC56 63 - D | MC56 62 - F | MC56 63 - F |

X Refer to Technical data in page 2 for

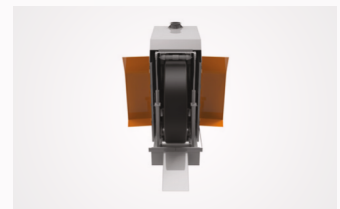
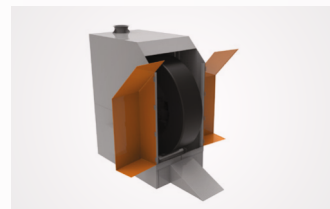
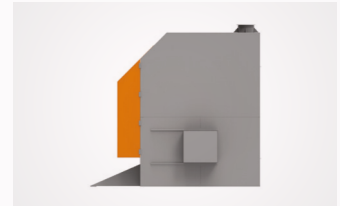
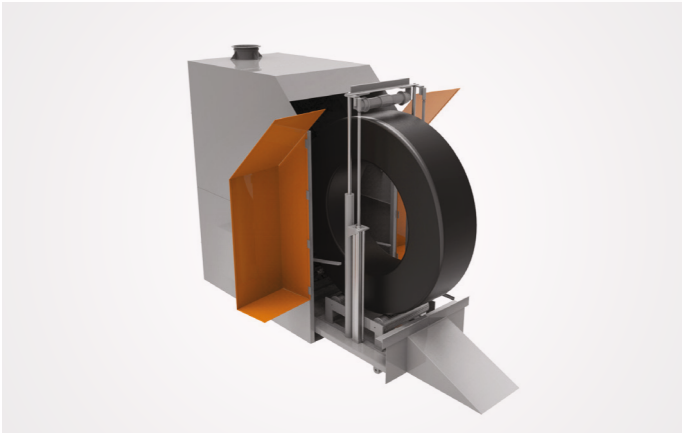
Tyre Painting Station

PS 6

Designed to give the finished retreaded tyre a Premium / New Tyre appearance for the discerning customer.

- Easy loading of the retread tyre.
- Closed unit to avoid dispersion of tyre paint.
- Uniform application without waste or over spray.
- Efficient PLC controlled automatic cycle to paint the tyre side wall without operator intervention.
- High productivity- 20 casing (315/80RR22.5) per hour.

- Exhaust system to meet safety norms.
- Automatic Discharge of tyre once painting is complete.
- Retractable cover for ease of cleaning and maintenance.
- Suitable for casing diameter from 700 to 1300mm or 27.5" to 51.2" and section widths from 140 to 470mm or 5.5" to 18.5".



Model
Catalogue No.
X Refer to Technical data in page 2 for

PS 6-3
MA81 63 -

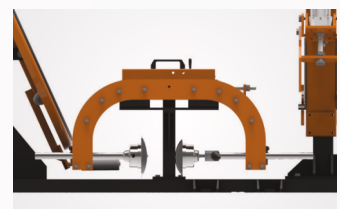
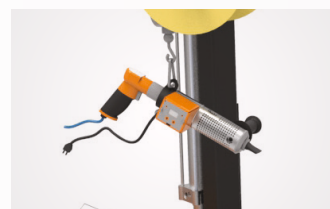
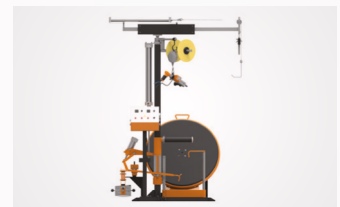
Tyre Repair Station

TR 6

A unique and versatile stand-alone tyre repair station, designed for one man operation. Perfectly suited for tyre repair shops and tyre collection points.

- Combination repair preparation station, mini extruder, tilt table and spot vulcaniser.
- Extremely ergonomic design to reduce operator fatigue and prevent injury.
- Suitable for tyres with bead diameters from 14" to 24.5" and bead widths from 140 mm to 470 mm or 5.5" to 18.5".
- Built-in lift or loading tyres and positioning the spot vulcaniser.
- 3 position tilt table allows the vulcaniser to be positioned in any part of the tyre and allows 360° rotation of the tyre.

- Ample lighting at each station.
- Digital temperature controllers for mini extruder and spot vulcaniser.
- Temperature setting lock prevents intentional or accidental override.
- Supplied with mini extruder with rear exhaust kit, spring balance and rope rubber hanging unit.
- Selection of heating pads for repairing all areas in a wide range of tyres.



Model
Catalogue No.
A Refer to Technical data in page 2 for

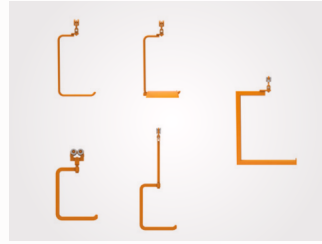
TR 6-3
MA86 63 -

Supporting Equipment & Accessories

Monorail & Tyre Preparation Systems



Monorail System



J Hooks



Initial Inspection Station



Bead Spreaders



Dust Collection Systems



Skiving Stations



Cement Booths



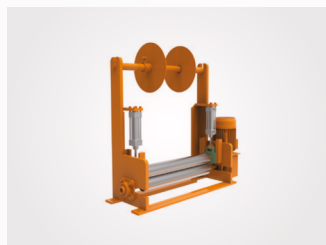
Filling Stations



Mini Extruder



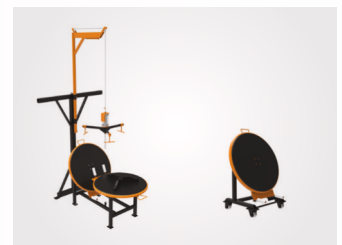
Spot Vulcaniser



Cushion Gum Application Unit



Precure Tread Cutting Machine



Sealing System Stations



Final Inspection Station



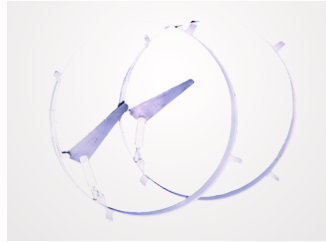
Tables, Stands & Cabinets

Supporting Equipment & Accessories

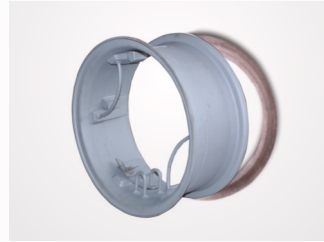
Retread Curing System



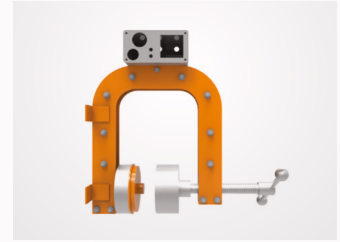
FlexSeal System



SnapSeal System



Curing Rims & Flanges



Envelope Spot Vulcaniser

Expandable Hubs & Rims



Expandable Hub



Expandable Rim



Stems



Expandable Rim Band

Rasp Blades & Hub Assemblies



Rasp Blades



Spacers

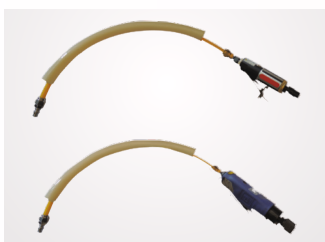


Rasp Hub Assembly

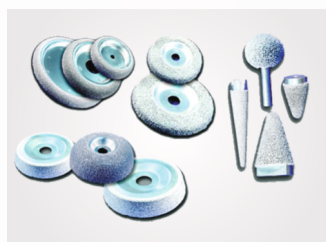


Rotary Gouges

Tools



Air Tools



Carbides



Wire Brushes & Carbide Burrs



Aluminium Oxide Stones



Plastic Staples & Staplers