

TECHNICAL FEATURES

- Certified P series material suitable for pressure vessels
- Bayonet door closure systems
- Hydraulic door opening and locking mechanism
- Precured or Orbitread system automation control
- Advanced PLC software able to control time, temperature, pressure, DPC functions (precured) automatically
- Manufactured at state-of-the-art manufacturing facilities
- Advanced safety features with available certification of 2014/68/ EU CE, ASME, EAC
- 10 year safety guarantee as part of CE/ASME



HIGHEST SAFETY STANDARDS



DESCRIPTIONS

	Inner Diameter	Length	Capacity	Heating System	Working Pressure	Max. Working Temperature	Tire Curing
AKR 881E	2300 mm/90"	3900 mm/153"	29,50 R 25 x 4 Tires	Electrical / Indirect Steam	7 Bar/100 psi	120 °C	J Hook
AKR 881	2300 mm/90"	4900 mm/193"	29,50 R 25 x 6 Tires	Electrical / Indirect Steam	7 Bar/100 psi	170 °C	Console
AKR 384	3100 mm/122"	4000 mm/158"	27,00 R 49 x 4 Tires	Direct / Indirect Steam	7 Bar/100 psi	170 °C	Console
AKR 434	3500 mm/138"	5000 mm/197"	36,00 R 51 x 4 Tires	Direct / Indirect Steam	7 Bar/100 psi	170 °C	Console
AKR 389	3900 mm/153"	5500 mm/216"	40,00 R 57 x 4 Tires	Direct / Indirect Steam	7 Bar/100 psi	170 °C	Console
AKR 337	4600 mm/181"	3500 mm/138"	59/80 R63 x 2 Tires	Direct / Indirect Steam	7 Bar/100 psi	170 °C	Console





AKR510REX
AKR630REX

CNC BUFFER

AKR 510REX

AKR 630REX

Minimum
Tire Size

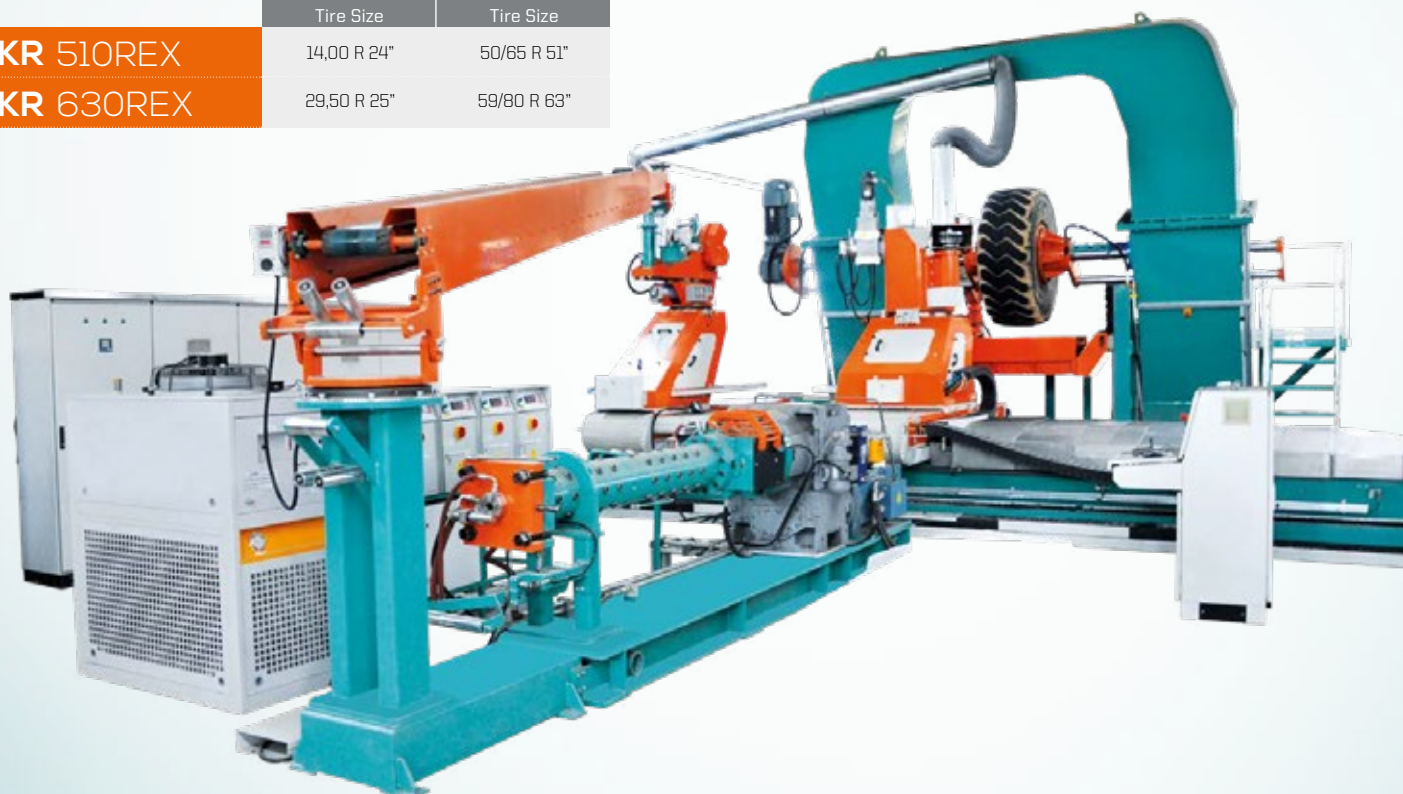
14,00 R 24"

Maximum
Tire Size

50/65 R 51"

29,50 R 25"

59/80 R 63"



ALL IN ONE PEELING / BUFFING REGROOVING / EXTRUDER BUILDING

PEELING - BUFFING - REGROOVING FUNCTIONS

A single separate dedicated robot system for peeling / buffing / regrooving functions

The peeling knife able to turn around its axis (equal erosion of every part of the knife)

High capacity regrooving function allowing users to regroove popular tread patterns (standard tread patterns come with the machine and the machine's software is capable of accomodating different tread patterns)

EXTRUDER BUILDING FUNCTIONS

A single separate dedicated robot system for extruder building functions

Cold feed pin type extruder building durable barrel and screws

Temperature control in four different zones

Water chiller cooling system

Extruded rubber transfer through the conveyor and building through calender rolling system

Advanced/user friendly software control system with tire recipes to allow the user to operate the machine for different types of tires

Advanced control system

Standard voltage = 380 V 50 Hz (adaptable to different voltages)

High quality hardware for pneumatic, PLC, hydraulic and servo systems

24"/25" rims included

CE Certified

AKR 510REX CNC Buffer can also be offered with the following optional features:

AKR 510CR CNC Buffer (Peeling/Buffing/Regrooving)
AKR 510R CNC Buffer (Regrooving)
AKR 510EX CNC Buffer (Extruder Building)

AKR 630REX CNC Buffer can also be offered with the following optional features:

AKR 630CR CNC Buffer (Peeling/Buffing/Regrooving)
AKR 630R CNC Buffer (Regrooving)
AKR 630EX CNC Buffer (Extruder Building)

TECHNICAL FEATURES

CNC controlled OTR (9 axis) peeling, buing, extruder building and regrooving machine

18 degree inclined main frame

Hydraulic tire chucking, centering through interchangeable spacers

Central lifter for loading/unloading

OPTIONAL FEATURES

Manual Arm

Additional Bead Plates

Conveyor Belt



AKR510C CNC BUFFER

AKR 510C

Minimum Tire Size	Maximum Tire Size
14 ,00 R 24"	50/65R51"

TECHNICAL FEATURES

CNC controlled OTR (4 axis) peeling, buffing machine

18 degree inclined main frame

Hydraulic tire chucking, centering through interchangeable spacers

Central lifter for loading/unloading



CNC CONTROLLED **BUFFER** PEELING / BUFFING

PEELING - BUFFING FUNCTIONS

A single separate dedicated robot system for peeling / buing functions

The peeling knife able to turn around its axis [equal erosion of every part of the knife]

Advanced/user friendly software control system with tire recipes to allow the user to operate the machine for dierent types of tires

Advanced control system and panel

Standard voltage = 380 V 50 Hz (adaptable to different voltages)

High quality hardware for pneumatic,PLC, hydraulic and servo systems

24"/25" rims included

CE Certified

TECHNICAL FEATURES

Fully computerized plc controlled

Electrical heating system with efficient use

Preheating feature

Vacuum test function

Working pressure: 6 bar (90 psi)

Advanced safety features with available certification of PED 2014/68/EU CE, ASME, EAC

10 year safety guarantee as part of CE/ASME



HIGHEST SAFETY STANDARDS



DESCRIPTIONS

	Capacity	Inner Diameter (mm)	Length (mm)	Heating System	Working Temperature
AKR 291	12 Tires	1600 mm / 63"	4500 mm / 177"	Electric	120 °C / 248 °F
AKR 293	16 Tires	1600 mm / 63"	6000 mm / 236"	Electric	120 °C / 248 °F
AKR 294	20 Tires	1600 mm / 63"	7500 mm / 295"	Electric	120 °C / 248 °F
AKR 297	24 Tires	1600 mm / 63"	9000 mm / 354"	Electric	120 °C / 248 °F





AKR240C CNC BUFFER



TECHNICAL SPECIFICATIONS

Buffing Range: 7,50 R 15 - 12,00 R 24

Minimum Tire Diameter: 700 mm (27.5")

Maximum Tire Diameter: 1,250 mm (49.2")

Maximum Tire Width: 500 mm (19.6")

OTHER SPECIFICATIONS

Total power: 45 kW (including optionals)

Working pressure: 6 bar (90 psi)

Capacity: 30-35 tyres/hour

Weight: 4,500 kg (9.920 lbs)

Dimensions: 2,760 (W) x 3,800 (L) x 3,500 (H) mm /
108" (W) x 150" (L) x 137" (H) mm

CE Certified

Fully computerized CNC controlled buffing machine with bead plates

TECHNICAL FEATURES

Fully computerized CNC controlled buffing machine with bead plates and automatic sidewall brushing

User friendly easy operation Easy and user friendly tire loading/unloading mechanism

Programmable tire buffing recipes

Suitable for truck tires up to 445/65 R 22,5" and 495/45 R 22,5"

Buffing capability of BIAS and Radial tires

HARDWARE&CONTROL FEATURES

Buffing head R115 Convex with water cooling High quality and well-known equipment for pneumatic, linear and control systems

Highly sensitive computerized circumference measuring system and magnetic wire sensor

Bead plates included: 14"-15", 16"-17,5", 19.5", 20"-22,5", 24"

Manual arm for buffing and brushing (Optional)

12" color panel screen and touch pad panel

Remote access to PLC via internet



AKR240HCX CNC BUFFER



TECHNICAL SPECIFICATIONS

Buffing Range: 7,50 R 15 - 12,00 R 24
Minimum Tire Diameter: 700 mm (27,5")
Maximum Tire Diameter: 1,250 mm (49,2")
Maximum Tire Width: 500 mm (19,6")

OTHER SPECIFICATIONS

Total power: 45 kW (including optionals)
Working pressure: 8 bar (120 psi)
Capacity: 30-35 tyre/hour
Weight: 4,000 kg (8.800 lbs)
Dimensions: 4,450 (W) x 3,000 (L) x 2,750 (H) 175" (W) x 118" (L) x 108" (H)
CE Certified

Fully computerized CNC controlled buffing machine with Expandable Hub and Rim System

TECHNICAL FEATURES

Fully computerized CNC controlled buffing machine with expandable hub and rim system

User friendly easy operation

Easy and user friendly tire loading/unloading mechanism

Programmable tire buffing recipes

Suitable for truck tires up to 445/65 R 22,5 and 495/45 R 22,5

Buffing capability of BIAS and Radial tires

HARDWARE&CONTROL FEATURES

Buffing head R115 Convex with water cooling
High quality and well-known equipment for pneumatic, linear and control systems

High sensitive computerized circumference measuring system and magnetic wire sensor

Expandable rim: 20-22.5x9" included (Other sizes are optional)

Manual arm for buffing and brushing (Optional)

Automatic sidewall brushing (Optional)

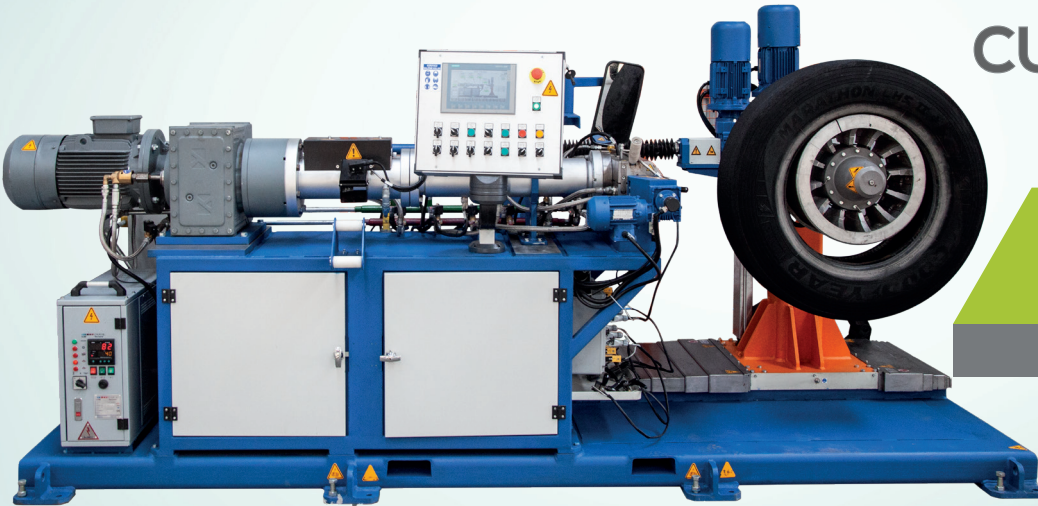
12" color panel screen and touch pad panel

Remote access to PLC via internet

AKR550 CUSHION GUM EXTRUDER WITH TREAD BUILDER



AKR550



AKR555 CUSHION GUM EXTRUDER

AKR555

S U CE EAC ISO 9001 EN ISO 3834-2 CERTIFIED AD2000



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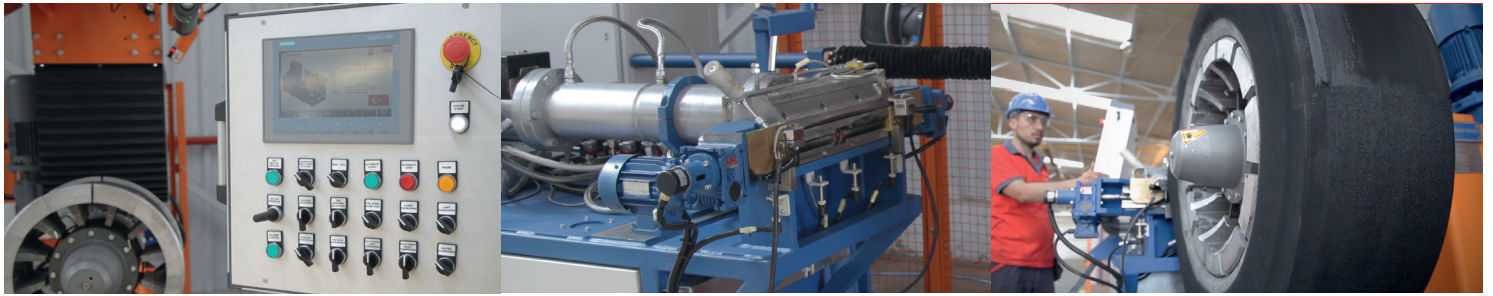
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akarmak

USER BENEFITS

- Automatic cushion application and tread building at a single station
- Suitable for the complete range of bus and truck tires including 445/65 R 22.5"
- End of cement use!
- Standard size and more economical cushiongum strip
- 15 minutes savings per tire for labor on cushiongum application, filling and tread building
- Automatic cushiongum filling up to 5 mm deep skives
- Higher performance and low failure retreaded tires....



TECHNICAL FEATURES

- Extrusion tire width: 140 - 450 mm
- Capacity: 1 - 1.5 min/tire for cushion gum application (AKR 555)
2.5 - 3 min/tire for cushion gum application & tread building (AKR 550)
- 3 standard wing forms
- Efficient extruder: Screw & barrel system
- Temperature control & Chiller unit
- Control system: Siemens

Youtube:AKR 550
CUSHIONGUM
EXTRUDER WITH
TREAD BUILDER



Youtube:AKR 555
CUSHIONGUM
EXTRUDER



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