

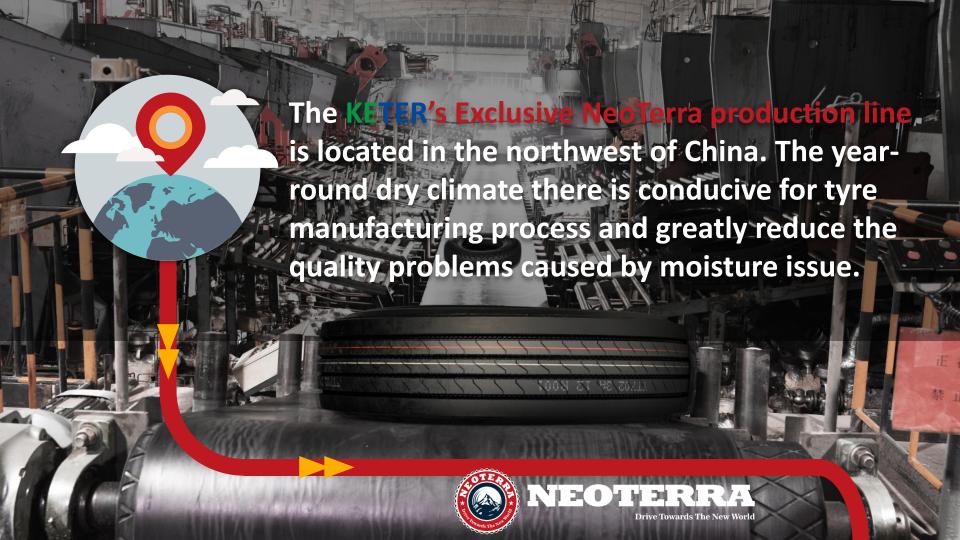




NEOTERRA means a new land; the land is full of dream and wonder.

NT (for short) Series also represents the New Technology.

NT, a new surprise, just like Columbus discovering the New World.







**Research and Development** 

100+ professional engineers in NeoTerra R&D Team 28+ of NeoTerra PEs are senior engineers 10+ years of work experience for R&D work



QUICK market demands analysis

ACCURATE and effective market judgment

PROFESSIONAL product performance optimization



## **Raw Materials Selection**

Top material suppliers from all over the world High quality raw materials for stable performance





Natural Rubber

From Thailand

Better Heat Release

LADXESS QUALITY REPORT DUESS CONTROL TO THE PROPERTY OF THE P

BIIR From

Lanxess,

Better Airtightness



Sulphur From

Eastman, U.S.A

**Better Stability** 



Acetylene-resin

From Koresin,

Germany

Stable Crosslink



Steel Cord From

BEKAERT,

Belgium

**Excellent Strength** 





Metrohm's **High-end Titrator** 



**Fourier Transform** Infrared (FTIR) Spectroscopy



Pour Point Tester, Freezing Point Analyzer, **Cloud Point Detector** 



# **Material Testing**



**Us Instron Electronic Tensile Testing Machine** 



**Rubber Processing Analyzers Wire Twist Pitch Testing Machine RPA2000** 

L 12222 MM2 322



All materials are tested strictly to ensure the manufacturing process stability.



**Mooney Viscometer MV2000** 



**Compression Heat Test Machine** 







## **JAPAN BB430**

**Rubber Mix Lines** 

BB430 Heavy Duty Mixer and mixing downstream Line from KOBELCO(JAPAN). The top facility of rubber mixer in the world



**INTERMESHING ROTOR** 

**CONSTANT TEMPERATURE MIXING** 

KOBELCO mixer can better produce high Silica compound, which ensure the high quality level in ECE for EUROPE & SMARTWAY for us.



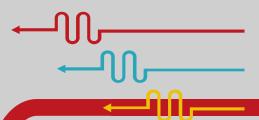


## **IHI from JAPAN**

**Rubber Calender Lines** 

IHI is the leading manufacturer of precision calender lines in Japan.

Calender material with stable tension, uniformed rubberized compound and stable quality product.



CONSTANT TENSION
AUTOMATIC THICKNESS MEASUREMENT
LARGE DIAMETER ROLLERS



## **TROESTER from GERMANY**

#### **Extrusion Lines**



#### **TROISTER TREAD Extrusion Line**

High Efficiency screw design to ensure the extrusion tightness.

Triplex Extrusion to guarantee the correct tread for heavy duty TBR on two stage tire building machine.

#### **TROISTER Side Wall Extrusion Line**

Extra Wide Die head to have right and left side wall at the same time.

Efficient improved tire uniformity and balance performance..



**GERMANY TROESTER Boxer Roller Head Inner Line Production Line** 

## **ONE-TIME EXTRUSION AGGREGATES**

For Tread, Sidewall and Apex



PRODUCT STABLE, SYMMETRY AND LESS AIR BUBBLE.
ASSURE HIGH QUALITY PRODUCT.



## **GERMANY FISCHER**

**Cord Cutting Lines** 

For Steel Cord with: Thickness of material Thicker material on request

**Cutting angle** 

**Cutting length** 

**Cutting width** 

15° to 75° resp. 90° resp. 90° ± x° up to 6000 mm up to 650 mm resp. 2000 mm

up to 4 mm



**German Fischer 90 Degree Body Ply Cutter And Breaker Cutter.** 

Pull through feeding and cutting to insure the high accuracy.

Steel breaker edge no spur to effectively improve the tire transition point stress and strain.





#### **VMI VAST 4 Drum Machine from Netherlands**

High Accuracy to improve the overall product quality. High automation level, reduce the operator influence to cause the variation of the product.

High efficiency and can produce 160 tires/shift (8h)

## Step 9

## VMI VAST & TOYO

**The Building Machine** 



**Two Stage Tire Building Machine from Japanese TOYO** 

Bigger carcass drum (18.6% bigger than normal tire building machine) effectively increase the heavy duty ability of tire.

Tread Over Sidewall building technology to improve the uniformity of the tires.



# **VULCANIZATION**





The last step to get a new **NeoTerra** Tyre





# **Testing-X-Ray**

X-Ray Testing Machine *YXLON, France* 

100% automatic testing and evaluation on defect to avoid artificial missed judge.



# **Testing-Dynamic Balance Machine**



In terms of Dynamic Balance, **NeoTerra** is better than normal brands, for example the size of 11R22.5 and 315/80R22.5 are 220g (while normal brands are 250g) It is a KEY parameter for comfortability





USA Micro-Poise / KOBE STEEL . LTD. Uniformity tester domestic truck tyres manufacturer exclusive equipment, providing the guarantee testing for the steer truck tyres of the buses exported to Europe

## Step 11

# Testing-Tyre Uniformity Machine



### **Testing-Holographic Laser Nondestructive Bubble Testing Machine**



Holographic laser nondestructive bubble testing machine is used for **NeoTerra** TBR bubble checking, which is a strict testing usually used for aircraft tyres and Formula-One tyres

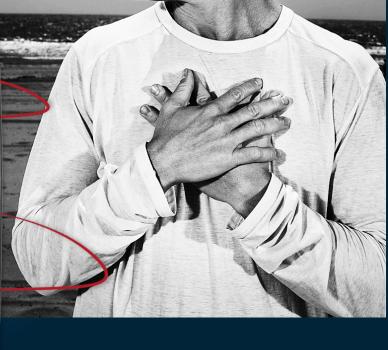
Now, the special **NeoTerra** TBR tyre is coming...

# **This**

is NeoTerra, from the wonderland, the KETER's own production line. Our promise & warranty: Any quality problem you can get

## **DOUBLE CLAIMS**





NeoTerra Wonder Tours is more exciting on site!

