PT MULTITAMA INDONESIA



7ire Repair & Management Specialist



Company Profile & Products

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Phone: +62 542 7212367

ABOUT US

PT Multitama Indonesia is a full-service company based in Balikpapan East Kalimantan – Indoneisa, Established in 2006. Our main office is in Balikpapan and Our Tire Repair Facility is in Sangatta – Kutai Timur & Tanjung Tabalong- Kalsel, supported by EXPERT TIRE TECHNICIANS and STAFFS, 24 hours work and 6 days a week but we are also assign our tire technicians and tire repairmen at mine site, who can offer you better solution of tire repairing and tire Management. We have consultants ready to train your repair technicians, materials specific to any type of tire you are looking to repair and the equipment and also tools to facilitate these repairs. We also have ability to run your tire shop with Full Contract Maintenance, including tires supply.

My name is Saronadi, Director of PT. Multitama Indonesia. I have dedicated my life to the tire repair industry, having begun my career in 1990 up to 2001 as a Mining Operation Supervisor then a Tire Supervisor till I used to be a Tires Superintendent in PT. Freeport Indonesia, the largest mining in the world. Since then I have worked in all aspects of the Mining operation and all the aspects of killing the tires before I moved over to Tire shop Operation. Since year of 2002 I worked for a custom manufacturer of all wheels and rims for mining, forestry and industrial equipment, specializing in Haul Trucks and Loaders as a Trainer, my main duty is to create modules of every mine site due to kind of equipment used. Trained all of customers for wheel - rim construction, tire selection, better and faster mounting demounting of tires, Pressure maintenance, and all of aspects to save the tires, my main goal is to reduced tire cost by educating manpower in doing the proper tire maintenances. **During this period** of time, I have done training for PT. Pamapersada Nusantara, PT. INCO, PT. Newmont, PT. Kaltim Prima Coal, etc. My latest position in this company was a Territory Manager for Indonesia and Southeast Asia. I have networking world wide, to enrich my knowledge I attended some events of tire industry, Training at Good Year tire factory in Topeka - Kansas City, USA, training at Northwest retread plant in Phoenix Arizona USA, attended meeting of LTUG (Large tire user group) in Port Mc Murray- Canada, and to learn world class standard of tire shop operation. I visited some mining companies in north America such as Morency (Phelpdodge), Suncor, Syncrude, Fording River Coal, coal mining in the LOGAN lake Canada etc.

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ABOUT US

Now I use the knowledge I've gained over the years to run the Tire Repair, We at **Multitama Indonesia** are considered the domestic leaders in **TIRE REPAIRING and TIRE MANAGEMENT BUSINESS**. Multitama will be the best partner on your tire maintenance, repair and tire management system, that are proving to be solution of tire cost saving and efficiencies.

In **PT. Multitama Indonesia** we provided the most up-to-date solutions for all aspects of the tire repair industry. Our specialty is in the repairing of **Giant OTR Tires**, an area that has changed dramatically over the past few years. With the worldwide shortage of new tires, equipment owners and service companies everywhere are looking for ways to salvage much-needed hours out of haulage and loader tires in mines, quarries and industrial sites.

We have the technology, expertise, materials, equipment and facility to ensure the best results possible with the most innovative repair techniques available, so we are confident to free of charge warranty every single tire that we repaired for 1000 hrs running.

We are glad to make a list of our customers in Indonesia which you can use as a reference:

PT. Darma Henwa
PT. Newmont Nusa Tenggara
PT. Pamapersada Nusantara – Site KPC, Site Jembayan, Site ABK Samarinda, Site Melak, Site Kideco, Site Pasar Panas, Site Tutupan, Site Tanjung Enim
PT. Ricobana Abadi
PT. Kobexindo
PT. Banpu Kitadin
PT. Thiess Indonesia
PT. Sapta Indra Sejati – Site Sanga Sanga, Site Tanjung Adaro, Site M. Komam
PT. Fajar Bumi Sakti
PT. Perdana Karya Perkasa Tbk.
PT. Grace Mount
PT. CKB – Bontang
PT. Madani Talatah Nusantara
PT. Leighton Contractor Indonesia
PT. Kaltim Prima Caol
PT. Riung Mitra Lestari
PT. Kayan Putra Utama Coal
PT. Bukit Makmur

We can do repair **on site** or repair **off site**, full tire maintenance contract or just using our TIRE TRACKING SYSTEM.

PT. Merdeka Copper Gold – Site Banyuwangi & Site Pani Pohuwato

In a changing global business environment, the ability to seize opportunities means the ability to surge ahead of the competition. Today, more than ever, it is imperative for businesses to have the ability to not just deliver quality products and services,

but to be able to do so in the shortest possible time. In such a circumstance, it serves a business well when they have partners who share the objective of both cost and time savings while maintaining a high standard of work.

PT Multitama Indonesia is a solution for MAINTAINING, REPAIRING & SUPPLYING

of your tires, on site tire repairs, off site tire repair & FMC (Full Maintenance Contract).



COMPANY OPERATING PRINCIPLES

"Better than best!"



QUALITY is our dedication for SAFETY CONTROL is our dedication for EFFICIENCY ACTIVE in keeping good ENVIRONMENTAL

TIRE REPAIR SECTION

Mutitama Indonesia with high skill personals are able to repair Radial and Bias Ply tires, from small one to the giant one, actually 7.5 00R16 up to 58/80R63, light truck tires up giant mining truck's tires, focusing on mining, construction, & forestry.

Multitama also using the <u>advance tire repair technology</u> that we call it "STEEL CORD REPLACING" this method is allow us to reduced tire scrapped means even if its over limit with conventional system but still be able to repair it with SCR method, this method allow us to repair bigger injuries, longer injuries, even damaged crossed from bead to bead. This method is really safe and reliable caused we warranty every single tire repaired for 1000 hours run. We do save more ... and more safe....

With SCR injury as this size it's still
REPAIRABLE

SCR is the best way to save your injured over limit tires, it's proven meet safety and quality

Replace the steel cord till bead bundle

SCR can handle bigger damaged tire, it's mean less tires to be scrapped, more efficient and profitable

TIRE MANAGEMENT & TIRE TECHNICIAN SUPPLY

Service is one of our businesses, with experience and high skill of our technicians, MULTITAMA is able to handle your tire shop operations, with full maintenance of tire contract. Its mean Multitama will handle all jobs of tire business in your site, such as tire supply, tire mounting – demounting, removing – installing, tire and rim maintenance and all technical aspects in reducing tire operating cost.

To serve better Multitama also CREATE software for tracking of tires. "MULTITAMA TIRE TRACKING" –MTT–





TIREMAN-LABOR SUPPLY & QUALITY MANAGEMENT

Support and partnership is our key mind set, Multitama tire technicians is available to work in your site as labor supply. They are able to be a good choice to get some qualified and reliable manpower outsourcing.

This division also provided comprehension Training or quality Management programs, to produce qualified, and accountable tire technician.

TRAINING TOPICS: Comprehensive Quality Management

- Tire Shop Tooling
- ➤ Basic Knowledge of Tires
- > Tire Constructions and Applications
- > Tire Selection
- ➤ Tire Condition Analysis
- > Tire Pressures and Maintaining Concept
- ➤ Quick, Safe and Correct mounting and Demounting
- Bolts, Stud, Nuts Maintenance and Torquing
- ➤ Quick, Safe and proper Installing and Removing
- ➤ Tire Repairing conventional SCR (Steel Cord Replacing)
- ➤ Dangerous, risks on a Wheel-Rim & Tire Assembly
- > Rims & Wheels identifying, sand blast and testing
- > Components
- > Wheel-Rim Constructions and Category
- ➤ Wheel-Rim Failures, Condition and Analysis
- ➤ Wheel-Rim Maintenance

TRADING DIVISION

Trading and Supply division is to handle all request from mine sites we are focusing to meet tire shop needs, all the products that we are providing is supports tire shop in the field, such as:

- Tyres
- Rim Conditioner (Tyre Friend)
- Cushion Gum
- Air Pressure Gauge
- Multitama Tyres Tracking
- Radial Patches
- Bias Fly Patches
- Robe Rubber
- Torque Wrenches
- Control Panel Vulcanizing Machine
- Tire Mounting Compound
- Vulcanizing Cement



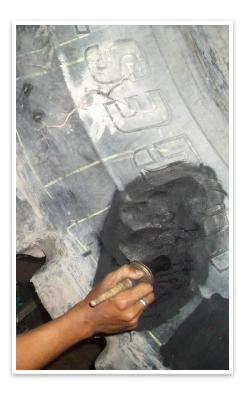


VULCANIZING CEMENT

Product No. MI-240469 @ 5 Liter

Specially formulated for hot process of tire repairing and vulcanizing therefore can be used at curing temperature at least 100'C or 212'F. For the best result, drying time 20 minutes, store in cool and dry storage below 23 degree Celsius, pay attention to expired date.





Anti separation cement, proven better ..., it will hold your patch & stick together, even when running on extreme operations.

Corrosion Inhibitor for Wheel/Rim – TYRE FRIEND Product No. # MI - 240481

Tire Friend is formulated normal for tire and also as a rim conditioner, it will protect your rim of extreme corrosion, it makes easier to demount tire assembly even it run for long mileages, its running cooler caused of free of corrosion. Decrease down time no delay because of tire assembly was stuck. Decrease air lost, prolong tire life and be a rim or tire leaking detector.

QTY PER TIRE			
13R25 16R25	8 Liters	18R25 29.5R25	12 Liters
29.5R29 21R49	16 Liters	35/65R3 3 27R49	20 Liters
45/65R39 45/65R45	24 Liters	30R51 37.5R51	36 Liters
37R57 46/90R57	40 Liters	53.5R57 55/80R5 7	56 Liters







CUSHION GUM

Product No. TB – 240473 (Hot Process) Product No. TB – 240474 (Cold Process)

Uncured Cushion gum for lamination of any repair patches, and for best result of repairing use it also to laminate all skived surface area before filling with extruder rubber compound, compatible with any black solution.

@ 12 kg /roll, can be ordered any (1mm, 2mm or 3mm) x 12 inches, customized. Available for hot process and cold process.





GAUGE

Product No. # MI – 240470 Master Gauge Product No. # MI – 240471 Tire Gauge

Master Gauge - Spec: 0 - 160 psi, glow in the dark face

Tire Gauge - Spec: 0 - 160 psi, glow in the dark face, with rubber protector







Accurate with glycerin, Last longer, can be read even in dark and low visible area.

MMT – MULTITAMA TIRE TRACKING

Product No. # MI - 240497

MTT features a rich set of reports and on screen queries that can be used to analyze the performance of tires and rims belonging to a vehicle fleet. MTT features comprehensive rim tracking, which along with tracking performance can also assist the customer to manage rims safely and effectively.



MTT will provide extensive REPORTS as to the:

- Total hours, distance and tones tire and rims are achieving
- Wear rates by tire brand, size, type, vehicle, and position
- Cost per hour, distance or tones
- Location and status of all tires and rims (including those away for repair or recapping)
- Deliveries of tires and rims
- Air pressure record and action plan with alert system
- Status of rim tests and inspections
- Failure reasons, lost tread value
- Expected tire usage
- Life time of tires after and before repairing and compare between repairer
- Warranty claims
- Complete detailed history or tires and rims

PRODUCTS PATCHES

PATCHES ARE CENTERED OVER THE DAMAGE, SO SAME PATCH DESIGN IS USED BOTH IN TREAD AND SIDE WALL

Radial Repair

Special designed for steel radial tubeless tire repair. Low air permeability coefficient. Reinforced fabric

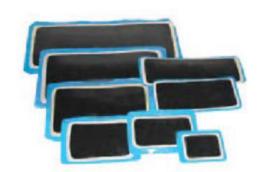
Code	Size L x W (inch/mm)	Qty/Box
SB-100	2 1/8 × 2 1/8 (55×55)	20
SB-110	2 1/8 × 3 (55×75)	20
SB-112	2 ³ / ₄ × 4 ³ / ₄ (70 × 120)	10
SB-114	3 3/8 × 5 1/8 (85 × 130)	10
SB-120	3 1/8 × 5 (80 × 125)	10
SB-122	3 × 6 7/8 (75 × 175)	10
SB-124	3 × 8 5/8 (75×220)	10
SB-140	4 ½ × 7 7/8 (115 × 200)	10
SB-142	5 1/8 × 10 ½ (130 × 260)	10
SB-144	5 1/8 × 13 ½ (130 × 335)	10
SB-146	7 1/8 × 17 ½ (180 × 440)	5
SB-148	7 1/8 × 20 (180 × 510)	5
SB-150	7 1/8 × 22 ³ / ₄ (180 × 580)	5
SB-152	9 ½ × 22 ¾ (240 × 580)	5
SB-156	10 5/8 × 28 ½ (270 × 720)	3
SB-160	10 5/8 × 32 ³ / ₄ (270 × 860)	3
SB-168	13 4/5 × 30 (350 × 760)	1

PATCHES

PATCHES ARE CENTERED OVER THE DAMAGE, SO SAME PATCH DESIGN IS USED BOTH IN TREAD AND SIDE WALL

Radial Repair

Special designed for steel radial tubeless tire repair. Low air permeability coefficient. Reinforced fabric



CROWN REPAIR

Code	Size L x W (inch/mm)	Qty/Box
SB-133	4 × 5 (102 × 127)	10
SB-135	5 ½ × 7 ½ (135 × 190)	10
SB-145	7 1/8 × 9 (180 × 229)	5
SB-155	10 ½ × 13 (260 × 330)	5

TRACTOR REPAIR

Code	Size L x W (inch/mm)	Qty/Box
SB-180	6 × 7 ½ (150 × 190)	5
SB-182	7 1/3 × 9 ½ (185×240)	5
SB-184	8 1/3 × 11 1/3 (210 × 290)	5
SB-186	9 2/3 × 13 1/3 (245 × 340)	5

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Customs Designed Radial Patches

Multitama is patches maker, we are able to produce custom dimension according to your needs. Mostly to save a tire we must do some tricks such as bigger patch and quite stronger enforcement to avoid deformation surface when tire airing up, to anchor the patch we have to place them on non-flex to non-flex point. The way to do so you must get custom dimension & structure of the patches itself.



To order this kind of patches, just follow the code & fill the blank with your own desired dimension.

Code	Size L x W (inch/mm)	Qty/ Box
SB-CUSTOMS x	X	
SB- CUSTOMS-DP	x Double Patches	

PRODUCTS PATCHES

Manufactured with reinforced nylon plies and high quality compounds.

Designed of cold or hot processes. They can be vulcanized either in precured or conventional Retreading systems.

Bias Tire Repair

They are designed to bear high temperatures & high flexing during service, adapting to tire movement due to the fabric crossing cords.

Code	Size L x W (inch/mm)	Qty/Box
SB 1-02	2 1/8 × 2 1/8 (55×55)	20
SB 2-03	3 × 3 (76×76)	10
SB 2-04	4 × 4 (101 × 101)	10
SB 2-05	5 × 5 (127 × 127)	10
SB 2-06	6 × 6 (152×152)	10
SB 2-07	7 × 7 (178×178)	10
SB 4-07	7 × 7 (127×127)	5
SB 4-08	8 × 8 (203×203)	5
SB 4-09	9 × 9 (229×229)	5
SB 6-09	9 × 9 (229×229)	5
SB 6-11	11 × 11 (279×279)	5
SB 8-11	11 × 11 (279×279)	5
SB 6-13	13 × 13 (330×330)	5
SB 6-15	15 × 15 (381×381)	3
SB 8-13	18 × 18 (457×457)	3
SB 0-13	13 × 13 (330×330)	3
SB 8-15	15 × 15 (381×381)	3
SB 8-19	19 × 19 (483×483)	3
SB 10-19	19 × 19 (483×483)	3





NULTITAMA

ROPE rubber

PRODUCTS

ROPE RUBBER

Product No. TB - 240472 -- dia 0.8 mm @ 12 kg --

Vulcanizing data:

Vulcanizing temperature required: At least 100 degree Celsius (212' F), & maximum temperature for warming 80' C. Shore Hardness 63 +/_ 5.

Material Curing time required 5 minutes per millimeter

formulated as follow: Thickness (mm) x 5

60

For Example:

Let say thickness 20 mm, Curing time will be $20 \times 5 / 60 = 100 / 60 = 1$ hour and 40 minutes



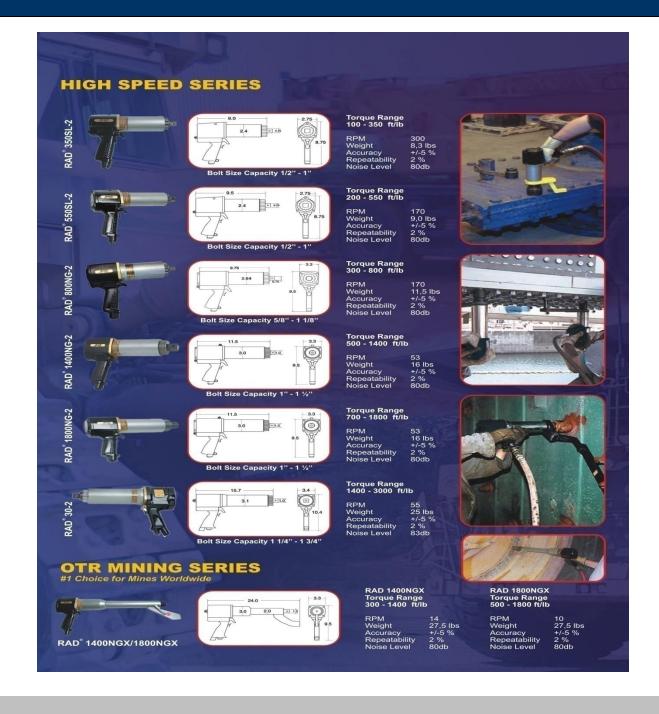


 Uncured rubber compound for filling skives in all area on the tire. Good vulcanizing and good flowing. Provide excellent adhesion and high resistance to dynamic stress.

TORQUE WRENCHES



TORQUE WRENCHES



TORQUE WRENCHES



VULCANIZING MACHINE

Product No. TB - 240468

MODEL M200

MVM is designed for efficient in tire repairing business. This machine is able to vulcanize 2 (two) pieces of any tire size at once, saving capital cost buy **M200** instead buying two of other brands.

Spect:

Electrical 220 V 50hz~60hz



Complete assembly, stand Machine & Stavolt



MVM M200 a machine for 2 tires



This is conventional model a machine is useable only for one tire

HEAT PADS/ TIRE HEATERS

Multitama is a heat pad maker, our product is high quality, long life and Generate heat constantly and distribute heat on all of surfaces with same Temperatures which is guaranty your tire in perfect curing.

PART NUMBERS HEATING ELEMENT DIMENSIONS (INCH)

ST-1616H	16 x 16 (Effective)
ST-2210H	22 x 10 (Effective)
ST-2213H	22 x 13 (Effective)
ST-2424H	24 x 24 (Effective)
ST-2519H	25 x 19 (Effective)
ST-2525H	25 x 25 (Effective)
ST-2626H	26 x 26 (Effective)
ST-2718H	27 x 18 (Effective)
ST-3015H	30 x 15 (Effective)
ST-3618H	36 x 36 (Effective)
ST-4220H	42 x 20 (Effective)
ST-4824H	48 x 24 (Effective)
ST-5224H	52 X 24 (Effective)



HOT & COLD – RETREADING (VULCANIZING) TIRES

MI is expert in tire vulcanizing, our factory is capable to retread from motorcycle tires up to truck & bus tires.



Part Number Descriptions

MI-MTC-14 Motor Cycle Tire 14"
MI-MTC-17 Motor Cycle Tire 17"
MI-MTC-OTR Motor Cycle Off Road Tire







Part Number Descriptions

MI-TV-14	Pick Up Truck Tire (14")
MI-TV-15	Small Truck Tire (15")
MI-TV-16	Medium Truck Tire (16")
MI-TV-20	Truck Tire (20")
MI-TV-24	HD Trailer-Trucks Tire (24")
	•



PRECURUED TREAD

Suit for tire vulcanizing, High quality, high durability, excellent flexibility and wear out resistant.

Part Number

Descriptions

MI-CT-152

Suit for 7.50 – 16 tire size



Part Number

Descriptions

MI-KT-152

Suit for 7.50 - 16 tire size



PRECURUED TREAD

Suit for tire vulcanizing, High quality, high durability, excellent flexibility and wear out resistant.

Part Number

Descriptions

MI-KT-180

Suit for 9.00-20 tire size



Part Number

Descriptions

MI-KT-1194

Suit for 10.00-20 tire size



PRECURUED TREAD

Suit for tire vulcanizing, High quality, high durability, excellent flexibility and wear out resistant.

Part Number

Descriptions

MI-LL-194

Suit for 10.00-20 tire size





Part Number

Descriptions

MI-KT5-194

Suit for 10.00-20 tire size

PRECURUED TREAD

Suit for tire vulcanizing, High quality, high durability, excellent flexibility and wear out resistant.

Part Number

Descriptions

MI-KT-210

Suit for 11.00-20 tire size



Part Number

Descriptions

MI-KT-250

Suit for 12.00-24 tire size



TIRE REPAIR HARNESS

This harness is used for securing, airbag & heat pad during curing time

MI-SPAN-4

Suit for tire size 15.5R25 up to 25.5R25

MI-SPAN-6

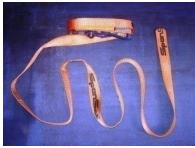
Suit for tire size 26.5R25 up to 27.00R49



MI-SPAN-8

Suit for tire size 33.00R51 up to 55/80R63





KEY DRIVER

Product No. MI - 240496

KEY DRIVER

Suitable for heavy equipment wheels, usually is used to secure lock ring to avoid movement on wheels & Rims component.



Phone +62 542 7212367 **SURELOCK**

A Surelock (also known as Shur-Lok) bead seat band is a safety feature on earthmover rims designed to prevent dangerous rim disassembly during inflation or deflation. It works by mechanically interfering with the lock ring, ensuring it stays properly seated and preventing the tire from separating from the rim, even if the lock ring is incorrectly installed.





When ordering this SURELOCK, it is including with installation fee, at mine site.

PART NUMBER	BEAD BAND DIAMETER	
мі- SL-25	25 INCH	
MI-SL-29	29 INCH	
MI-SL-35	35 INCH	
MI-SL-49	49 INCH	

Pipe Line Holder/Pipe stacker

Suit for pipe line, to hold /stack some different pipe dimension in a line. Oil, chemical and weather resistant, mostly used for oil and gas and mining pipe line.







Part numbers

MI-PH 3X2 MI-PH 4X3 MI-PH 6x4 MI-PH 8X6

Descriptions

Pipe holder 3" bottom & 2" top Pipe holder 4" bottom & 3" top Pipe Holder 6" Bottom & 4" top Pipe Holder 8" Bottom & 6" top



Your partner to reduce tire cost

Office:

PT MULTITAMA INDONESIA

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Workshop KALTIM (Sangata):

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Email: repairshop@multitamaindonesia.com

Workshop KALSEL (Tanjung):

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Kec: Murung Pudak, Tanjung Tabalong - KALSEL Email : repairshoptanjung@multitamaindonesia.com