

KMT®

RETREADING EQUIPMENTS

PRODUCT CATALOGUE

Complete cold & hot tyre-retreading plants, machinery, spares and after-sales service – engineered in India, installed worldwide.



WHO WE ARE

ENGINEERING RETREADS SINCE 1995

A specialist manufacturer & exporter of tyre-retreading machinery from Narwana, Haryana, India.

K.M.T. Retreading Industries began in 1995 building hot-retreading equipment and the moulds and dies that go with it. As cold retreading reshaped the market, KMT engineered its own range of automatic cold-process machinery – and has kept raising the bar ever since through continuous automation and design upgrades.

Today KMT machinery runs in plants across India – including State Transport Undertakings and public-sector fleets – and in international markets such as **South Africa, Nepal and Russia**. We hold the distinction of being the first retreading-machinery manufacturer to export from Narwana, Haryana.

Every machine is built and tested in-house at our ISO 9001:2015-certified works, and backed by installation, commissioning, operator training and service at your doorstep.

AT A GLANCE

ESTABLISHED	1995 · Narwana, Haryana, India
CERTIFICATION	ISO 9001:2015
TRADEMARK	Reg. No. 2333779 (Class 7)
IEC	3308005573
PROPRIETOR	Mr. Kuldeep Kumar
EXPORTS	South Africa · Nepal · Russia +

WHY PLANTS CHOOSE KMT

TURNKEY, SINGLE SOURCE

Every machine in the workflow, engineered to work together – one supplier, one warranty, one point of contact.

EXPORT MADE EASY

Complete export documentation and logistics handled on your behalf, from enquiry to delivery at port.

BUILT TO RUN

Automation-led designs, heavy fabrication and in-house testing for continuous, high-output production.

PROVEN ABROAD

International installations across Asia and Africa, with references available on request.

SERVICE AT YOUR DOOR

Installation, commissioning, operator training and responsive after-sales support and spares.

CERTIFIED QUALITY

ISO 9001:2015 systems, registered trademark and recognised export excellence.

BUILT IN INDIA · TRUSTED ACROSS BORDERS

FROM NARWANA TO THE WORLD

The first retreading-machinery maker to export from Narwana – with machines running across three continents.

1995

MANUFACTURING SINCE

ISO 9001:2015

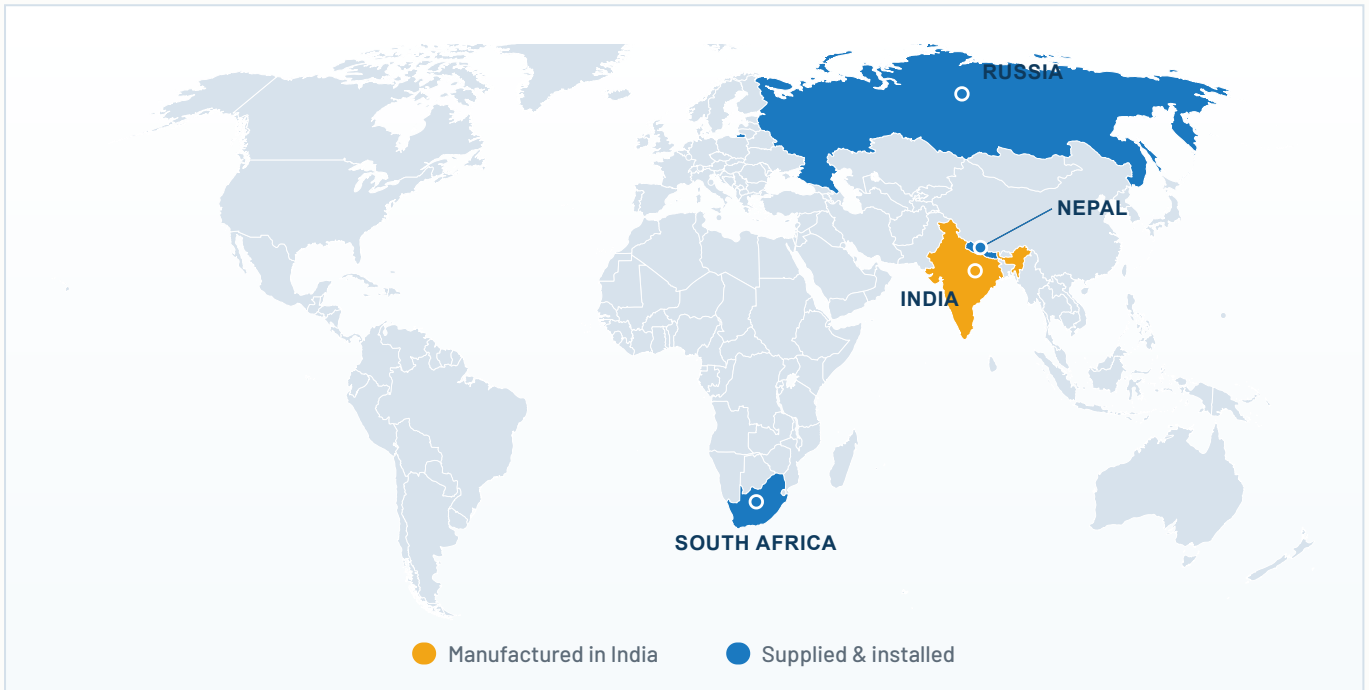
QUALITY CERTIFIED

3+

EXPORT MARKETS

100%

BUILT & TESTED IN-HOUSE



Machinery supplied to South Africa, Nepal and Russia – with enquiries welcomed worldwide, and full export documentation handled on your behalf.

INSTALLED ABROAD

Total Care Trade Link – Kathmandu, Nepal. A KMT cold-retreading plant supplied and commissioned in 2023. Further customer references available on request.

A NOTE FROM OUR MANAGING DIRECTOR

When we built our first machine in Narwana in 1995, the promise was a simple one – equipment that earns its keep on the shop floor, and people who stand behind it. Three decades on, that promise still travels with every plant we ship, across India and now to customers abroad. Tell us your target output and tyre sizes, and we will help you size the right line, install it properly, and keep it running for years to come.

Kuldeep Kumar

MR. KULDEEP KUMAR

Managing Director · K.M.T. Retreading Industries

HOW IT WORKS

ONE WORKFLOW, EVERY MACHINE

KMT supplies the complete cold-process line – so quality is engineered into every stage.

- 01 INSPECT**
Casings opened on a lit spreader and assessed for injuries and fitness to retread.

- 02 BUFF**
Old tread removed; casing profiled to the exact radius on a KMT buffer.

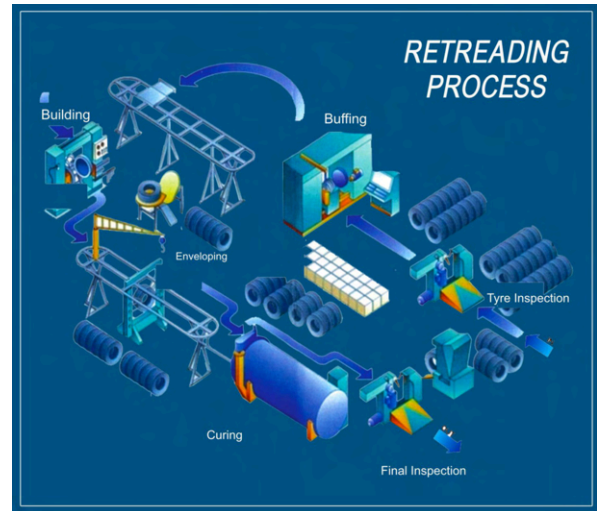
- 03 SKIVE & REPAIR**
Injuries cleaned out, skived and repaired; gum warmed and filled.

- 04 BUILD**
Bonding gum and new pre-cured tread stitched on with zero air entrapment.

- 05 ENVELOPE**
The built tyre sealed in an envelope, rim and flange set fitted.

- 06 CURE**
Vulcanised in a KMT cold curing chamber under controlled heat & pressure.

- 07 FINAL CHECK**
Finished retread inspected, trimmed and passed for dispatch.

**CREDENTIALS**

- ▶ ISO 9001:2015 certified quality management
- ▶ Registered trademark No. 2333779 (Class 7)
- ▶ Importer-Exporter Code 3308005573
- ▶ Udyam / MSME registered manufacturer
- ▶ Recognised for export excellence – Exporters' Conclave, Jind

PRODUCT RANGE · 01

COLD CURING CHAMBERS/AUTOCLAVE

The heart of the cold process – precise vulcanising under controlled heat and pressure.

COLD CURING CHAMBER

KRI-CCC SERIES



Insulated inside and out for low power draw, with finned heaters, ducted airflow and a digital safety controller, KMT chambers cure a full batch evenly – and shut down safely on their own.

- ▶ Dual insulation cuts power consumption; even temperature via ducted airflow
- ▶ Pneumatic door for fast, safe loading
- ▶ Digital display with overheat protection and 999-minute auto-exhaust timer with hooter
- ▶ Auto differential-pressure control; heater-fan-pressure interlocks
- ▶ Hydraulically tested at 12 kg/cm² before dispatch

MODEL	BATCH CAPACITY
KRI-CCC-4-12.20	4 tyres of 10.00-20 + 1 LTV
KRI-CCC-5-12.20	5 tyres of 10.00-20 + 1 LTV
KRI-CCC-7-12.20	7 tyres of 10.00-20 + 1 LTV
KRI-CCC-11-12.20	11 tyres of 10.00-20 + 1 LTV
KRI-CCC-14-12.20	14 tyres of 10.00-20 + 1 LTV
KRI-CCC-3-11.20	3 tyres of 10.00-20 + 1 LTV · pin-lock or pneumatic door

DIMENSIONS	9' × 7' × 6' approx. (CCC-4 std)	AIR PRESSURE	10 kg/cm ²
AIR CONSUMPTION	60 cfm @ 150 psi	CONNECTED LOAD	15.50 KW (model dependent)

Options: D.P.C. differential-pressure curing system · envelope-leak alarm · chamber & tyre pressure recorder · full-cycle temperature recorder.

PRODUCT RANGE · 02

BUFFING MACHINES

Remove worn tread and profile the casing to a true, repeatable radius.

BUFFER · OTR

KRI-BF-14.25



A heavy-duty buffer for truck and off-the-road casings up to 14.25 – with on-machine circumference measurement so operators never reach for a tape.

- ▶ 10 H.P. buffering motor; fixed + movable chucks; inbuilt pneumatic tyre lift
- ▶ Tread-measuring device, shoulder trimming, forward & reverse buffing
- ▶ Rasp-blade sharpening attachment and heavy-suction 3 H.P. dust blower
- ▶ Motorised table slide (0.5 H.P.); air jets keep slides dust-free

DIMENSIONS	7' x 8' x 9' approx.	AIR	10 cfm @ 125 psi (50 cfm inflating)
CONNECTED LOAD	15.5 KW	OPTION	Tractor-tyre attachment, 7.5 H.P.

BUFFER · EXPANDABLE

KRI-BF-10.20



- ▶ 10.20 capacity · 7.5 H.P. motor · expandable hub
- ▶ Shoulder trimming; pneumatic brakes
- ▶ 3 H.P. dust blower; motorised slide
- ▶ 6' x 6' x 6' · 8.87 KW

BUFFER · STANDARD

KRI-BF-10.20



- ▶ 10.20 capacity · 7.5 H.P. motor · chuck mount
- ▶ Forward & reverse buffing; shoulder trim
- ▶ 3 H.P. dust blower; motorised slide
- ▶ 6' x 6' x 6' · 9.37 KW

MINI RASPER

KRI-MRS-11.20 / 12.20



- ▶ Car, LTV & light-truck casings · 10 H.P.
- ▶ Pneumatic lift; foot-switch; fwd/rev buffing
- ▶ Pairs with 10/12-segment expandable rim, 12"-24"
- ▶ 6' x 6' x 7' · 11.37 KW · 40 cfm @ 100 psi

PRODUCT RANGE · 03

TREAD BUILDING MACHINES

Stitch new tread on with zero air entrapment – the difference between a retread and a return.

BUILDER · OTR

KRI-KBD-14.25



Precision building for truck and OTR casings up to 14.25. Stitcher wheels ride on linear bearings, pressing tread down evenly so no air is trapped beneath it.

- ▶ Foot-switch tyre drive leaves both hands free for the tread
- ▶ One fixed + one movable chuck; pneumatic tyre lift
- ▶ Linear-bearing stitcher wheels with adjustable speed
- ▶ Forward & reverse drive for full control

DIMENSIONS	6' x 5' x 7' approx.	AIR	10 cfm @ 125 psi (50 cfm inflating)
CONNECTED LOAD	0.38 KW	CAPACITY	Up to 14.25

BUILDER · EXPANDABLE

KRI-BD-10.20



- ▶ 10.20 capacity with quick-change expandable hub
- ▶ Zero-air-entrapment stitchers; pneumatic tread cutter
- ▶ High-inflation safeties · fwd/rev drive · 0.38 KW
- ▶ 5' x 5' x 5' approx.

BUILDER · STANDARD

KRI-BD-10.20



- ▶ 10.20 capacity with leak-proof chucks
- ▶ Zero-air-entrapment stitchers; pneumatic tread cutter
- ▶ Foot-switch drive, forward & reverse · 0.38 KW
- ▶ 5' x 5' x 5' approx.

PRODUCT RANGE · 04

ENVELOPING & VULCANIZING

Seal the built tyre for curing – and handle spot repairs with electric vulcanizers.

ENVELOPE EXPANDER

KRI-EE-12.20

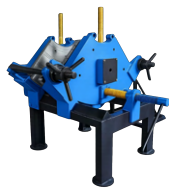


Opens the curing envelope pneumatically so it slips over the built tyre quickly and comes off cleanly after the cycle – no tearing, no wrestling.

- ▶ Pneumatic operation with integrated tyre lift
- ▶ Capacity 12.20 tyre size
- ▶ Footprint 7' × 7' × 3' approx.

ELECTRIC CUT VULCANIZER

KRI-ECV-32 / ECV-52 OTR



- ▶ Three-bolt clamping, air heaters, control panel on stand
- ▶ ECV-32: up to 12.20 · bead plate 20" · 5 KW
- ▶ ECV-52 OTR: up to 14.25 · bead plates 24/25/28" · 6 KW
- ▶ Both approx. 3' × 3' × 3'

CURING RIMS

8" - 24"



- ▶ Hydraulically pressed – strong yet light to handle
- ▶ Spring-loaded positive locks
- ▶ E.R.W. welded construction, sizes 8" to 24"

ENVELOP SEALING FLANGES

8" - 24"



- ▶ Hydraulically pressed, lightweight flange sets
- ▶ Pair with curing rims for a reliable envelope seal
- ▶ Full size range 8" to 24"

MONO RAIL

KRI-MR-7-12.20



- ▶ Overhead rail holds up to 14 tyres for one-go chamber loading
- ▶ Pneumatic lift for rimmed tyres · 8 kg/cm²
- ▶ 14' × 6' × 6' approx. – boosts batch throughput

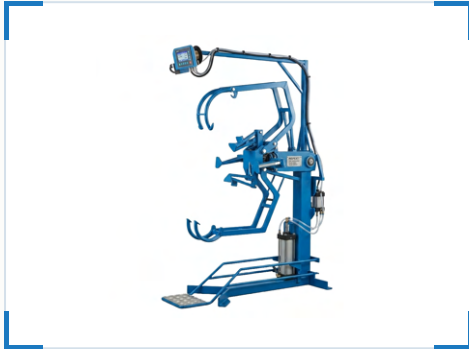
PRODUCT RANGE · 05

INSPECTION & PREPARATION

Catch every injury before it cures – spread, light, skive and repair.

INSPECTION SPREADER

KRI-IS-10.20



Spreads the casing wide under four bright lamps so the operator sees every cut, nail hole and separation – with bead hooks that grip firmly at any angle.

- ▶ Pneumatic operation; inspects up to 10.00-20
- ▶ Four inspection lights; inbuilt lift to the gripping jaws
- ▶ Multi-angle bead hooks for a secure hold

DIMENSIONS	3' x 6' x 7' approx.	AIR PRESSURE	8 kg/cm ²
CONNECTED LOAD	0.4 KW	CAPACITY	Up to 10.00-20

REPAIR SPREADER

KRI-IS-10.20



- ▶ Pneumatic · up to 10.00-20 · work light
- ▶ Multi-angle bead hooks · 0.1 KW

SKIVING STAND

KRI-SS-4



- ▶ Holds 4 tyres of 10.00-20 steady
- ▶ 3' x 4' x 4' approx.

SKIVING MOTOR

KRI-FSB



- ▶ 1 H.P. / 2800 rpm, balanced rotor
- ▶ Trolley-mounted flexible shaft

GUILLOTINE CUTTER

KRI-GC-10.20



- ▶ Cuts tread square, 300 mm width
- ▶ 2' x 2' x 1' approx.

WARMING TRAY

KRI-WT



- ▶ Warms repair gum, thermostat control
- ▶ Connected load 1 KW

MOBILE LIFT

KRI-TL-10.20



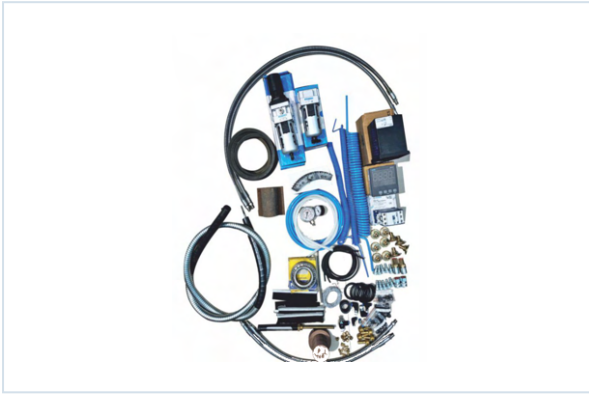
- ▶ Pneumatic lift on castors · to 10.00-20
- ▶ 6' x 3' x 3' approx.

PRODUCT RANGE · 06

SPARES, TOOLS & CONTROLS

Everything that keeps the plant running – from the panel on the wall to the awl in the hand.

EQUIPMENT SPARE PARTS KIT



- ▶ Curated consumables and wear parts for KMT machines
- ▶ Hoses, regulators, gauges, valves, heaters and more
- ▶ Keeps downtime to hours, not weeks

DISTRIBUTION CONTROL PANEL



- ▶ Centralised power distribution for the whole line
- ▶ Metered, fused and clearly labelled circuits
- ▶ Built to match your plant's machine set

RETREADING TOOLS



- ▶ Rotary rasps, buffing stones, skiving knives and awls
- ▶ Stitchers, brushes and repair accessories
- ▶ Safety goggles and operator kit included

TYRE CHANGER · MANUAL

KRI-TC-16



- ▶ Pneumatic manual changer up to 16" tyres
- ▶ FRCL unit with hand-lever valve
- ▶ Compact 3' x 2' x 2' footprint

COMPLETE SOLUTIONS

TURNKEY RETREADING PLANTS

One partner from layout drawing to first cured tyre.

Beyond individual machines, KMT designs and delivers complete cold-retreading plants. We size the line to your target output, supply every machine as a matched system, and stay with you through installation, commissioning and operator training – so production starts on schedule and stays there.

INSPECT	Inspection & repair spreaders
BUFF	Buffer + mini rasper + blower
PREPARE	Skiving stand & motor · guillotine · warming tray
BUILD	Builder with envelope expander, rims & flanges
CURE	Cold curing chamber sized to your output
HANDLE	Mono rail & mobile lift
POWER & SPARES	Control panel · tools · spare-parts kit

LAYOUT & CAPACITY PLANNING

Floor plans and utility loads matched to your building and target tyres/day.

INSTALL & COMMISSION

Our engineers erect, wire, test and hand over a running line.

TRAIN & SUPPORT

Operator training plus after-sales service and spares, worldwide.

EXPORTING WITH KMT

- ▶ Full export documentation prepared and handled on your behalf
- ▶ Shipping and logistics coordinated end to end, works to port
- ▶ HS-code and compliance guidance for your country's import rules
- ▶ Proven installations in South Africa, Nepal, Russia and beyond

"We assure you of quality and service at your doorstep."

KMT[®]

RETREADING EQUIPMENTS

LET'S BUILD YOUR PLANT

Send us your target output and tyre sizes – we'll reply with a recommended line, layout and quotation.

MANAGING DIRECTOR

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