



Elgi Rubber Company Limited



2 SERIES RETREADING MACHINERY

Easy, Affordable
Built to last.



ELGI RUBBER COMPANY

Elgi Rubber Company Ltd is a USD 52 million company, is part of the USD 800 Million Elgi Group of Companies in India.

The Company was founded by late L R G Naidu & sons, who were the leading architects of the Elgi group. ERCL was incorporated in the year 1981 as a limited liability company under Indian Companies Act and as a company listed in the Indian stock exchanges. The company had a technical & financial collaboration with Oliver Rubber Company of the United States from 1984 to 1994. The company is in the business of manufacturing and marketing of complete solutions for tyre retreading through the “One Stop Shop” concept and offer best value for money.

ERCL pioneered precured retreading technology in Asia, introducing a system that was popular in the United States and in Europe as a system that was better suited for developing countries.

The company operates through the franchise model augmented with the company owned retread facilities in South India. As a strategy, new look ERCL diversified to focus on the complete range of services in retreading encompassing market survey, project planning, training, supply of equipment and raw material, after sales service and technical support along with plant audit. This concept has made ERCL one of the leading suppliers of retreading systems worldwide, with a strong customer base spread over 100 countries. ERCL has been recognized and homologated with leading multinational tyre brands into their support system for aftermarket.

The company has 7 wholly owned subsidiaries abroad spread into the United States of America, Brazil, Sri Lanka, Kenya, Netherlands and Australia.



SUSTAINABILITY

Retreading and recycling in line with TRIB requirements.



TRAINING & SUPPORT

Extensive training programme with on-going technical support in the form of plant layout assistance, supervision of equipment installation and problem solving assistance.



RESEARCH & DEVELOPMENT

ELGI has a state of the art research facility established at a cost of over USD 2 million. The facility has research equipment which no retreader has but for a few leading new tire manufacturing companies.

2 SERIES



RETREADING MACHINERY



Low investment and maintenance cost.



Built from the ground up to meet the demands of a small to medium-sized retreading plant.



Capacities starting from 150 to 1000 tyres per month.



Ergonomically designed to minimise worker fatigue and increase productivity.



Compact footprint - Requires only 1500 sq.ft of space.



Modular concept for easy upgrades.



Available in a range of electric power supply specifications.



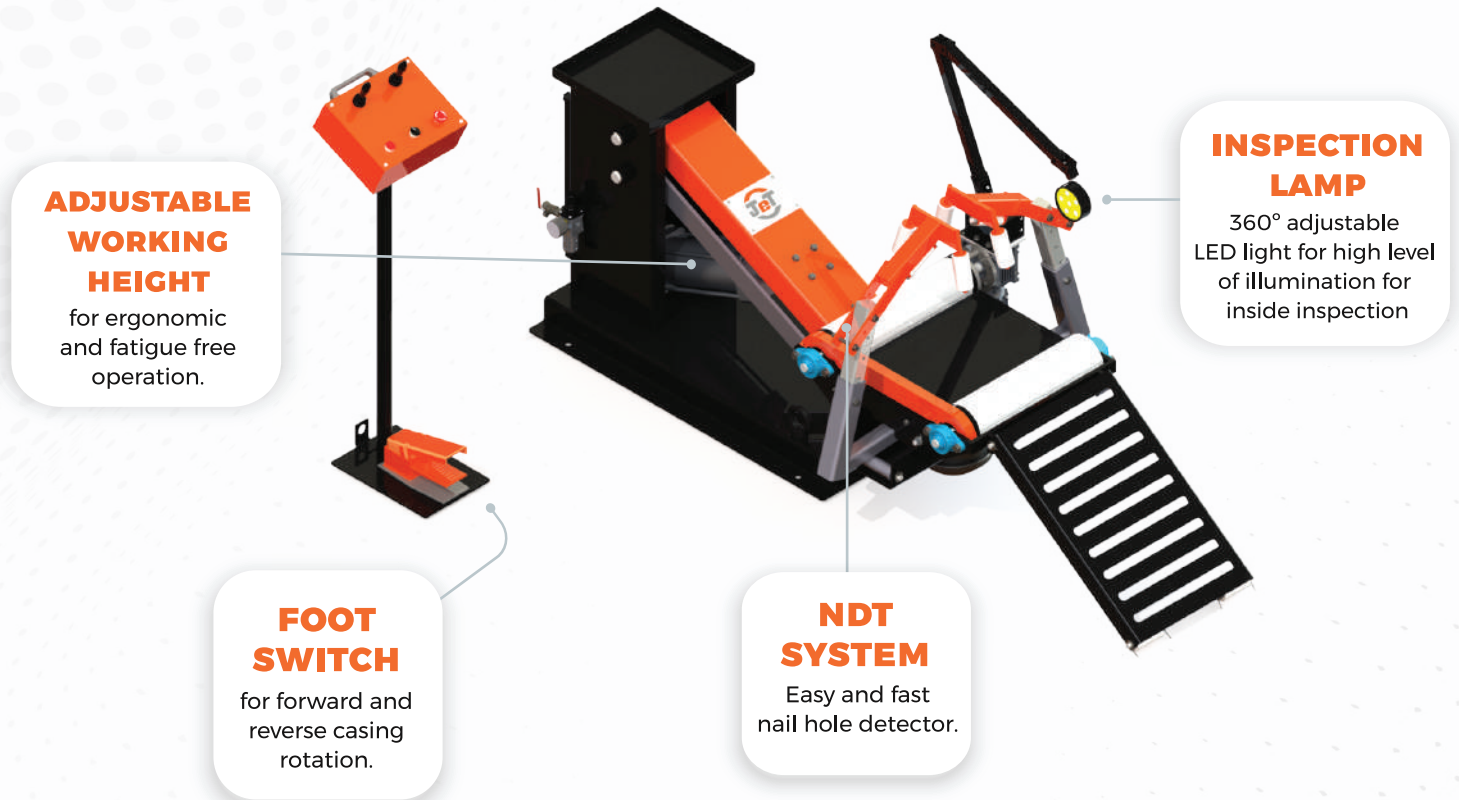
Meets OSHA standards for worker health and safety.

INSPECTION SPREADER



Fully featured machine for internal and external casing inspection

CATALOGUE NUMBER: IS 2E



FEATURES

Inspection Lamp	Included
NDT system - Auto/ Manual	Optional

SPECIFICATIONS

Power Requirement	~0.4KW
Tyre RPM	~5RPM
Machine Dimension - LxWxH	~1950 x 1300 x 1030
Machine Weight	~200 Kg
Supply Voltage	110-440V 50/60Hz (Based on Customer requirement)
Control Voltage	220V AC
Air Pressure Requirement	7 - 8 Bar
Minimum Tyre Size	7.50 - 16
Maximum Tyre Size	12.00 - 24.5
Installation	Grouting Recommended

BUFFING MACHINE



Buffing machines with high output and accuracy

CATALOGUE NUMBER: BF 2E

HIGH OUTPUT CAPACITY

of upto 15 tyres per hour

12 SEGMENT EXPANDABLE HUB

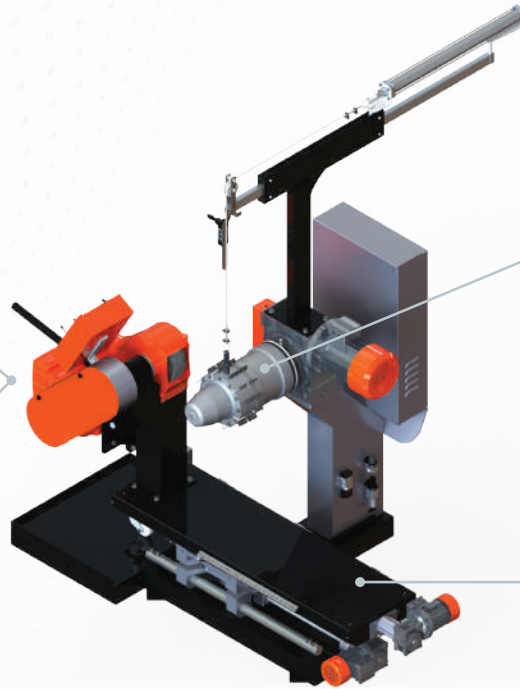
accommodates 14" to 24.5" tyres.

LOW POWER CONSUMPTION

Save money on electricity

LESS VIBRATIONS

Robust Turntable design



FEATURES

Expandable Hub - 12 Segment	Included
Tyre Lift	Optional
Monorail Compatibility	Compatible

SPECIFICATIONS

Power Requirement	13 KW
Crown R1 Buffing	Manual
Tyre RPM	~40RPM
Dust Collector Compatibility	Cyclone Filter DCE 1 / 3Hp
Radius Buffing Principle	Compass Arc
Buffing Radius Capability	14" to 35"
Minimum Tyre Size	6.50 - 14
Maximum Tyre Size	12.00 - 24.5 Within Buffing Radius 30"
Machine Dimension -LxWxH (With Tyre lift)	~2250 x 2100 x 2200
Machine Weight	~450 Kg
Supply Voltage	220-440V 50/60Hz (Based on Customer requirement)
Control Voltage	220V AC
Air Pressure Requirement	7 - 8 Bar
Installation	Free Standing



CYCLONE EXTRACTOR



Easy to install rubber dust collection system to keep the shop floor clean and operators healthy

CATALOGUE NUMBER: DCE 2E



HIGH SUCTION POWER

helps remove dust & keeps the work-space clean

CONVENIENT OPERATION

can be operated from the Buffing Machine control panel

EASY CONNECTION

to buffing machine

SPECIFICATIONS

Power Requirement	~2.23KW
Supply Voltage	220-440V 50/60Hz
Suction Velocity	~35 - 40m/s
Storage Capacity	~80Kg
Machine Weight	~120 Kg
Suitable Buffing Machine	BF2D / BF2E / BF5D
Suitable Ducting Length	Upto 5M
Exhaust Provision	Based on Customer Requirements
Machine Dimension - LxWxH	~1020 x 800 x 2050
Installation	Free Standing

SKIVING STATION



Easy skiving in an ergonomic and efficient manner to ensure proper repair application.

CATALOGUE NUMBER: SK 2E

SIMPLIFIED DESIGN

for easy control

DUAL ROLLER

for casing stability

SUPPORT COLUMN WITH SWIVEL ARM

for electric grinder

STORAGE TRAY

for easy access of tools



FEATURES

Tyre Rotation

Available

Flexible Shaft Grinder Compatibility

Optional

Monorail Compatibility

Compatible

SPECIFICATIONS

Power Requirement

~1.5KW

Machine Weight

~100 Kg

Tools Tray

Included

Supply Voltage

110-240V 50/60Hz

Control Voltage

220V DC

Minimum Tyre Size

6.50 - 14

Maximum Tyre Size

12.00 - 24.5

Machine Dimension - LxWxH

~900 x 750 x 2850

Installation

Grouting Recommended

Increases capacity of skiving station by cementing up to 4 tyres at once

CATALOGUE NUMBER: TTR / TTF 2E

**HEAVY-DUTY
SWIVEL CASTER
WHEEL**

for easy maneuverability.



**DUAL USE
TROLLEY**

for transporting
and cementing tyres

SPECIFICATIONS

Product Weight	~70 Kg
Cementing Roller	Optional
Minimum Tyre Size	6.50 - 14
Maximum Tyre Size	12.00 - 24.5
Dimensions - LxWxH	~1500 x 600 x 1130 (mm)
Installation	Movable

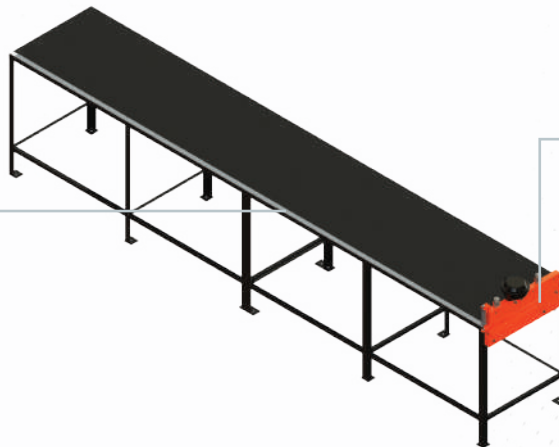
TREAD PREPARATION TABLE

Improve accuracy while measuring and cutting tread rubber.

CATALOGUE NUMBER: PP 2E

**BUILT-IN
SCALE**

for accurate
tread length
measurement



**MOUNTED
TREAD CUTTER**

for quick and easy
cutting

SPECIFICATIONS

Product Weight	~120 Kg
Tread Capacity	3 Nos
Tread Cutter Mounting Provision	Optional
Dimensions - LxWxH	~4000 x 700 x 900
Installation	Grouting Recommended

BUILDING MACHINE



Easy to use building machine that ensures proper application, stitching of tread rubber.

CATALOGUE NUMBER: BI 2E

OPTIMAL DESIGN

for easy tread building

VARIABLE SPEED ROTATION

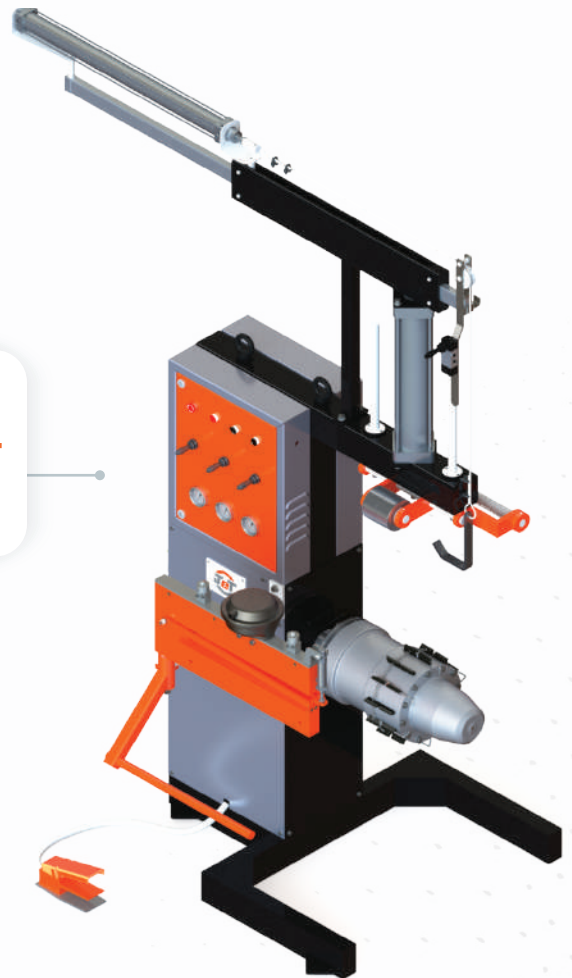
controls speed and direction of tyre rotation

SIMPLE ELECTRICAL PANEL

for easy maintainance

VARIABLE PRESSURE CONTROL

for bonding gum and tread rubber application.



FEATURES

Cushion gum feeding unit	Included
Tread roll support stand	Optional
Tread cutter	Optional
Mechanical tread centering device	Optional
Tread edge marking lasers	Optional
Monorail Compatibility	Compatible

SPECIFICATIONS

Power Requirement	~0.75 KW
Machine control system	Electrical
Tyre drive motor power	1HP DC Motor
Expanding Hub - 12 Segment	Included
Method of stitching	Manual
Tyre RPM	Low 2RPM / High 10RPM
Minimum Tyre Size	6.50 - 14
Maximum Tyre Size	12.00 - 24.5
Machine Dimension - LxWxH (With Tyre lift)	~1600 x 1300 x 2330
Machine Weight	~300 Kg
Supply Voltage	220V 50/60Hz
Control Voltage	220V AC
Air Pressure Requirement	7 to 8 Bar
Installation	Free Standing

ENVELOPE SPREADER



Reduce time and workload while prolonging life of envelopes

CATALOGUE NUMBER: ES 2E



NO POWER REQUIREMENT

pneumatically operated for smooth and even movement of claws

MINIMUM STRESS

on envelopes to prolong life

FATIGUE FREE OPERATION

FEATURES

Tyre Lift

Optional

Monorail Compatibility

Compatible

SPECIFICATIONS

Power Requirement

Not Required

Machine Weight

~270 Kg

Machine control system

Pneumatic

No of Claw Arms

6 Nos

Spread Control

Manual control

Air Pressure Requirement

7 to 8 Bar

Minimum Tyre Size

7.50 - 16

Maximum Tyre Size

12.00 - 24.5

Machine Dimension - LxWxH

~2100 x 2100 x 2100

Installation

Grouting Recommended



SEALING STATION



Designed to reduce time and ease mounting of the inside envelope

CATALOGUE NUMBER: SE 2E

**HEAVY STEEL
CONSTRUCTION**



RIM SIZES

16", 20", 22.5"

FEATURES

Curing Rim Mounting

Optional

Monorail Compatibility

Compatible

SPECIFICATIONS

Power Requirement

Not Required

Machine Weight

~120 Kg

No of Disc

2 Nos

Air Pressure Requirement (for curing rims)

7 - 8 Bar

Minimum Tyre Size

6.50 - 14

Maximum Tyre Size

12.00 - 24.5

Machine Dimension - LxWxH

~1500 x 1000 x 1180

Installation

Grouting Recommended

ELECTRIC AUTOCLAVE



PLC-controlled Autoclave for accurate curing parameters.

CATALOGUE NUMBER: EA 2E - 3

COMPACT DOOR DESIGN

consuming less
floor space



HIGH ACCURACY

PLC controlled
machine

FEATURES

Cure law cycle recorder	Optional
Automatic Inflation & Exhaust Alarm	Included
Modulated Envelope pressure (MEP) System	Included
Vacuum Pump	Included
Monorail Compatibility	Compatible

SPECIFICATIONS

Power Requirement	~15.75 / 23.6 / 25.5 / 43.5 / 87KW
Number of Tyres (based on 12.00-24.00 or 315/80R22.5)	2 / 4 / 7 / 11 / 24
Port Availability - Tyre Capacity (Truck+LCV)	3 / 5 / 9 / 12 / 27
Inner Dia(ID) id chamber	60" (1524mm)
Working Temperature	50° C to 150° C
Machine Weight	~1800 / 2700 / 3600 / 4400 / 8000 Kg
Control System	Simens LOGO PLC - OBA8
Door Locking	Pneumatic Operated Lock Ring
Supply Voltage	220-440V 50/60Hz
Control Voltage	220V AC
Air Pressure Requirement	10 Bar
Minimum Tyre Size	6.50 - 14
Maximum Tyre Size	12.00 - 24.5
Installation	Grouting Recommended
Machine Dimension - Model - LxWxH	~2T - 3900 x 1900 x 2100 / 4T - 4650 x 1900 x 2100 / 7T - 5650 x 1900 x 2100 / 11T - 7800 x 1900 x 2100 / 24T - 12100 x 1900 x 2100

AUTOCLAVE LOADING SYSTEM



An easy to use pneumatically operated autoclave loading system to remove manual work.

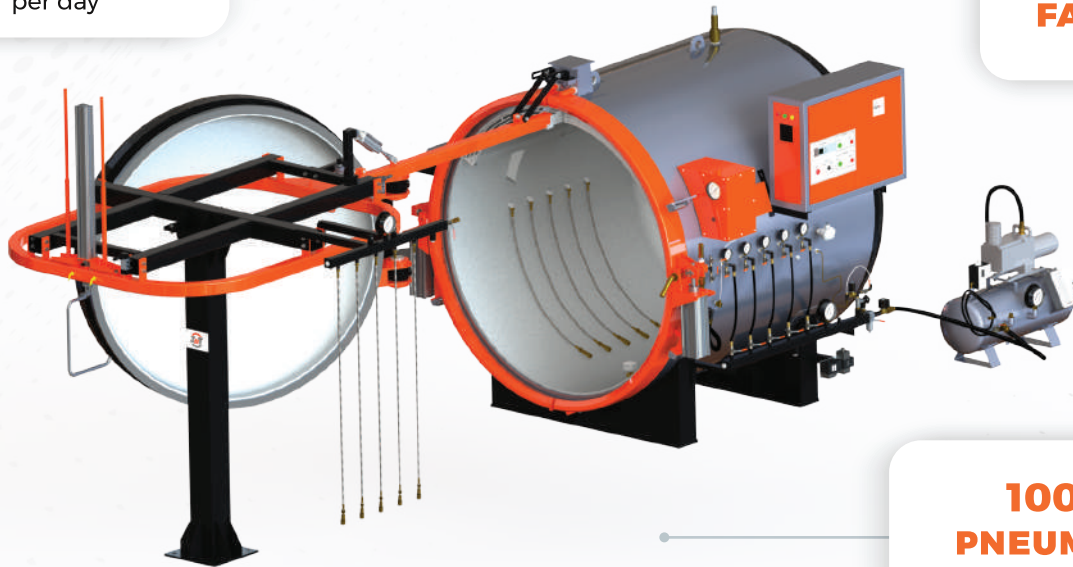
CATALOGUE NUMBER: LS 2E

INCREASED NUMBER

of tyres retreaded per day

REDUCES LOADING TIME

REDUCES OPERATOR FATIGUE



100% PNEUMATIC

Save on power

FEATURES

Bridging Kit To Autoclave	Included
Vacuuming System	Included
Tyre Lift	Included
Monorail Compatibility	Compatible

SPECIFICATIONS

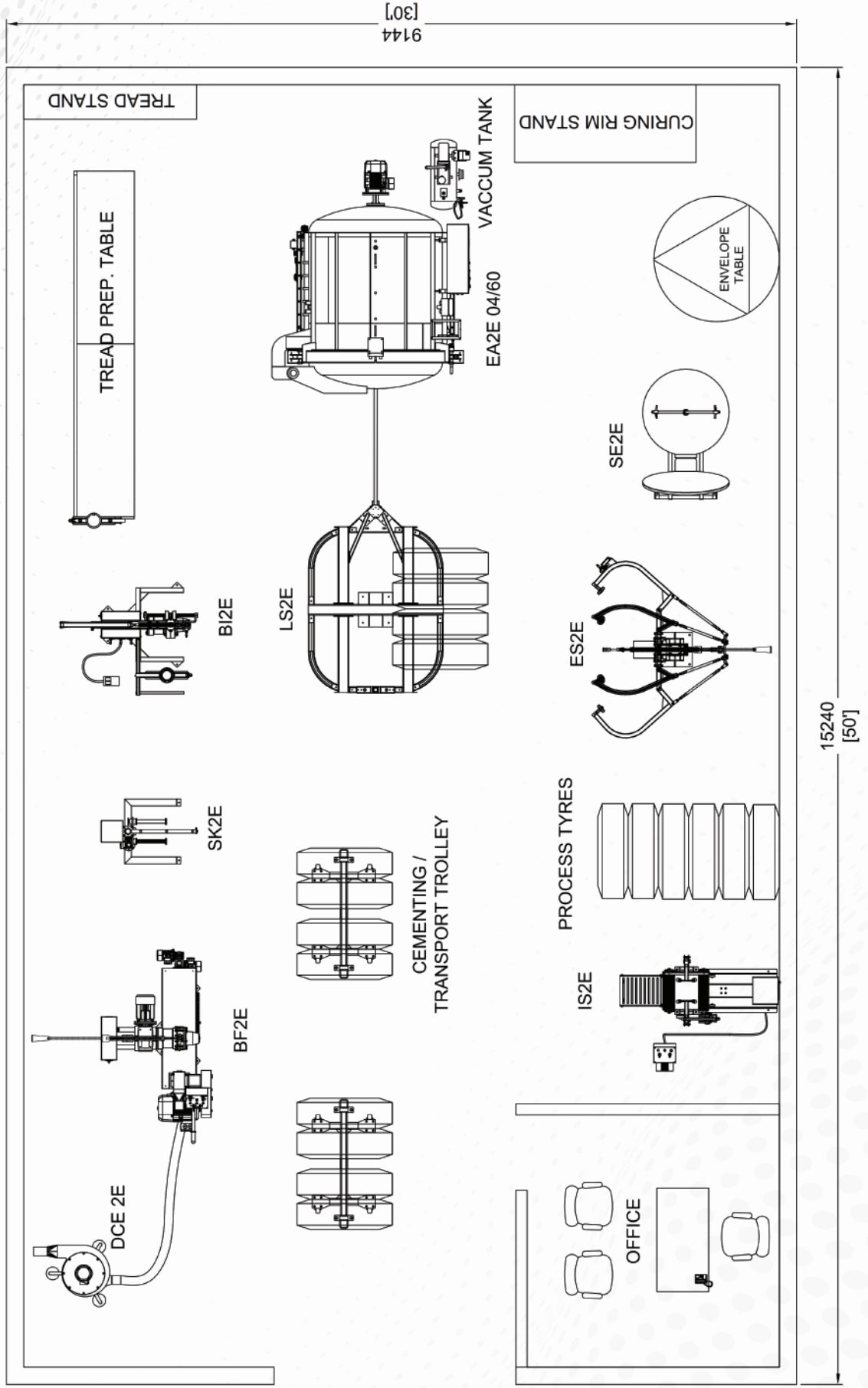
Power Requirement	Not Required
Tyre Capacity	3 / 5 / 9 / 12 / 27
Machine Weight Kg	200 / 300 / 450 / 600 / 1100 Kg
J Hook's Provided - Nos	6 / 10 / 18 / 24 / 54 Nos
Rail Dimension	60 x 70 x 4Thk
Air Pressure Requirement	7 to 8 Bar
Minimum Tyre Size	6.50 - 14
Maximum Tyre Size	12.00 - 24.5
Installation	Grouting Recommended
Machine Dimension - Model - LxWxH	~2T - 2500 x 2070 x 3200 / 4T - 3700 x 2070 x 3200 / 7T - 4800 x 2070 x 3200 / 11T - 6000 x 2070 x 3200 / 24T - 8500 x 2070 x 3200



2 SERIES LAYOUT



1500 SQ FT - 300 TO 400 TYRE / MONTH 3 OPERATOR SHIFT





Elgi Rubber Company Limited



Pioneer in the Industry with 40+ Years of Experience



Inhouse Designing and Manufacturing



Dedicated Service Team



One Stop Solution



JET RETREAD AND REPAIR SYSTEMS

Jet offers full range of production machines, retreading consumables including Envelopes, Repairs, Technical Support and Training.

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