



gridbots



ROBO-TRIM

FULLY AUTOMATIC ROBOTIC RUBBER BALE TRIMMING SYSTEM



NO.1

Robot Manufacturer in India

50+

Projects Completed

100+

Robots Delivered

3

Manufacturing Units



ROBO-TRIM

FULLY AUTOMATIC ROBOTIC RUBBER
BALE TRIMMING SYSTEM



Gridbots ROBO-TRIM is a fully automated Robotic Trimming Line which can be used for the trimming of various items which can be rubber, Metal or composites in fully automated manner.

The system supports lifting of components from the carry trolleys and directly loading on the line using 3D machine vision technology.

The intermediate trimming of the items can be done using hydraulic or electric tools. Once the operation is completed a 3D coordinate capture system for the verification can be used to ensure the cut/trim quality.

Post trimming/cutting the parts can be loaded back into the dispatch bays.

PICKER ROBOT

Payload	Upto 50 Kg
Reach	Upto 2 Meter
Configuration	Dual Linear Robots- Upto 6 Axes Each
Axes	6
Gripper	Electromagnetic/Pneumatic Hydraulic

CUTTING TOOL

Cutting Stroke	Upto 500 mm
Cutting Force	Upto 10 Tonne
Dimension Measurement	2D/3D Camera based AOI
HMI	21"
Motion Resolution	0.1 mm

CONTROL SYSTEM

Controller	x64
Touch	Multi Point Capacitive
IOT	Inbuilt
Wireless	2.4/5.8 Ghz

UTILITIES REQUIREMENT

Air Supply	8 CFM@5 bar
Power	3 Phase A.C.[5 Kw Peak Consumption
IP Rating	Ip22
Temperature	0-60 Degrees
Humidity	Upto 95% - Non-Condensing

GRIDBOTS TECHNOLOGIES PVT. LTD.

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