

**Designed and Developed
Exclusively for Looms**

**ELGI
ELECTRIC**



Elgi Electric is renowned name in the textile Industry, Today, with over Fifty Two years of experience, the company has been providing engineering solution for the Textile Industry. The Company has always been in the forefront of technological advancement and has designed and developed products to suit the futuristic requirement of the Industry.

The Company has pioneered the Concept of Overhead Cleaners in India, Technical Collaboration with world class leaders in Germany have helped reinforced the image of ELGI ELECTRIC as a quality conscious manufacturer. The Company's product are a testimony to its technological superiority. Small Wonder more than , Over 60 million spindles (60,000 OHTC's) spread across the length and breadth within the country and outside, are spinning high quality yarn with Elgi electric OHTC. The Company offers customized solutions to every application. Be it in spinning or Weaving, straight or curved path, it's range has just the right product for every application.

In the last decade or so, the weaving industry has witnessed a plethora of changes. Increased loom speeds, higher production rates per hour , international quality norms. Have all led to the search for the ultimate quality enhancement systems to be put in place. Fluff and ash fly generation are the prime factors that undermine the quality of woven fabrics. Elgi Electric has been able to deliver world class cleaning solutions specifically to address the customized needs of weaving mills.

WORLD CLASS CLEANING SOLUTION FOR LATEST WEAVING SYSTEM

NUGEN - WEAVING
Automatic Overhead Traveling Cleaner

**ELGI
ELECTRIC**

Unique Features

- ▶ Highly versatile in nature, can be used both for machines in straight line path, curved path and circular path
- ▶ Ensures optimum performance
- ▶ Less energy consumption
- ▶ Aesthetic Looks
- ▶ Can be tailor – made to match specific requirements

Special Features

- ▶ Ideally suited for looms with mixed humidification systems
- ▶ The electronic circuit incorporates the latest PLC technology for low power consumption
- ▶ Complete operational status of the electronic system is indicated in LCD display resulting in easy maintenance and trouble shooting
- ▶ Inductive sensors enable non-contact reversal at the end of every cycle
- ▶ The system is provided with programmable time adjustments for discharging/reversing
- ▶ Push button controls on both sides of the system for START, STOP AND REVERSE of the unit PLC is equipped with power saver option
- ▶ Special tapered nozzles for cleaning various parts of the loom
- ▶ Can be used for individual looms or for looms in straight line or curved paths
- ▶ Can be enabled to skip non-operational looms in circular/straight or curved paths

Optional :

- ▶ Obstacle Sensors
- ▶ Centralised waste Collection System
- ▶ Automatic filter cleaning system
- ▶ Dual OHTC in Single line

Total Safety

- ▶ Primary Current supply through completely enclosed safety contact rails
- ▶ Fan and drive motors are thermister protected

Accessories

- ▶ Specially made Antistatic black colour PVC hoses provided for blowing. Fitted with rubber distribution nozzles to prevent any damage and to ensure longer life (Blowing positions customized to suit individual requirements)
- ▶ Two suction hoses on either side of the unit are provided for effective cleaning. The leading suction hose will pick up fly deposited on the floor, while the following hose will suck in any additional fly blown off Centralised waste collection system will be provided as per individual requirement (optional)

The NUGEN-W is a totally integrated system with in-built filter. This range of overhead cleaners is best suited for the hard fabric weaving industries like denim and hosiery. It has been designed to operate in both straight line and Zig – Zag pathways. The filter helps segregating waste and fluff and also helps to eliminate moist starch content possibly present in the yarn. Periodic Cleaning of the filter will not only enhance of Cleaning but will also increase productivity.

Technical Specification

MODEL	NUGEN-W
Fan Motor	4.00KW
Drive Motor	150W
Travelling Speed	12 mtrs / minute
Air Volume	3600 m3 / hr
Suction Capacity	320 mm wg
Power Consumption	3.48 kWhr
No.of Suction Hoses	4 x 100 mm dia
No.of Blowing Hoses	14 x 75 mm dia
Filter Size	0.14 Sq.m
Stopping, Discharging & Reversal operation	PLC Controlled
No.of Push Button Controls	3
Travelling Path	Straight Line, U path and Circular Path



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