

Cleans and reuses wiper rolls for environmental protection and cost reduction.

# Wiper Roll Cleaner for Component Mounting Lines

## Features

- A cost reduction of 3,192,750 yen a year will be possible when a wiper roll is cleaned and reused five times.
- Annually saves 514 kg of CO<sub>2</sub> that will be otherwise emitted from the incineration disposal of wiper rolls without being reused.

## Overview

(Technical principles, actions, etc.)

### 1. Processes

- ① Washing process: Ultrasonic exfoliation action removes solder paste attached to wiper rolls (made of nonwoven fabric).
- ② Dry process: Suction drying in the cleaner.

### 2. Specifications

Dimensions : 851 × 827 × 1,100 (W × D × H) mm

Weight : 100 kg (dry weight)

Cleaning object : Cleaning wiper roll (nonwoven fabric)

Width : 250 ~ 410 mm wide; Inner dia. (core): 38 mm

Max. outer dia. (roll) : 110 mm

Power : 100 VAC (250 VA) at 50/60 Hz with ground terminal provided

Ultrasonic : 40 kHz 150 W

Air : 0.4 MPa 500 NL/minutes

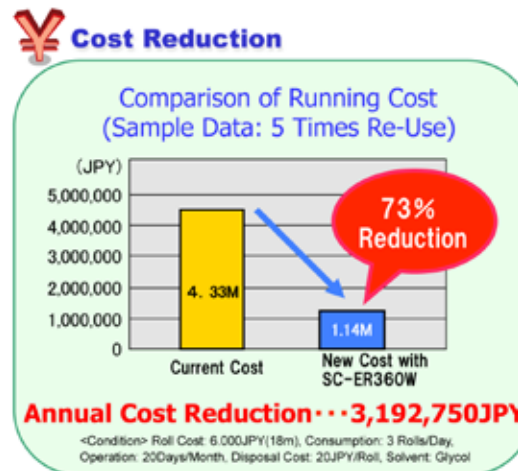
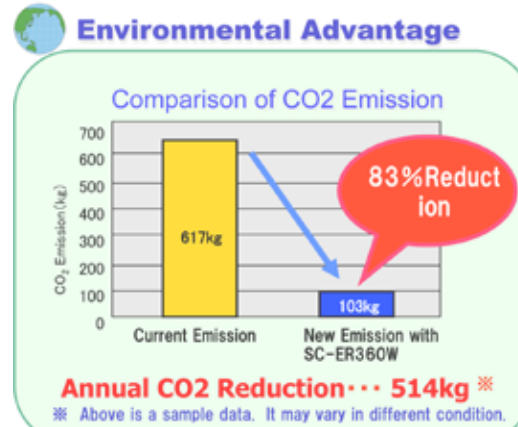
Exhaust duct : 98 mm dia. at a wind speed of 5 m/seconds

Cleaning time : Approx. 25 to 30 minutes/roll\* (18m-long type)

\*Detergent : Glycol-based solvent.



Eco Roll SC-ER360W



Eco Roll Merit Graph

## Introductory Track Record

- Company P (Japan, China, Mexico)
- Company D (U.S.A.)
- Company M (China)

## Effects

- ◎ Wiper rolls widely used to wipe cream solder on surface mount technology (SMT) sites are usually discarded once they are used, or otherwise they are reused for the rough cleaning of non-precision parts. The recycling of used wiper rolls will contribute to environmental protection and cost reduction.
- ◎ Realizes cost effectiveness exceeding the cost of installation.
- ◎ Reduces CO<sub>2</sub> emissions at the time of incineration disposal of rolls to 1/6.