

CHUO ELECTRIC WORKS LTD.

# Micro Colony Automatic Counting System

Micro Colony Automatic Counting System is rapid and less later method in comparison with visual counts using fluorescent Microscope.

## Features

- High Speed and Automatic Counting: Area of 1cm<sup>2</sup> Divided into 130 Visual fields are counted for a minute.
- Colonies counted is marked on the image.

## Overview (Technical principles, actions, etc.)

### 【About Micro Colony Method】

It is method to count the amount of alive and increasing bacteria, and micro colony to be detected is stained fluorescent dye. In comparison with conventional of usual count, culture is done in a same manner but culture time required is very shorter. Because of fine micro colony cultured, separation from foreign substances during observation and counting is possible.

### 【Feature of MGS-10MD(10LD)】

Regarding hygienic of microbe in water environment and in foodstuff, to count quickly alive microbes is needed. MGS-10-1 device can rapidly count the amount of micro colony grown up on the filter. CCD camera takes in optimum image of micro colony excited by laser. 130 visual fields can be counted for a minute by high speed moving stage.



High speed counting



## Introductory Track Record

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- Food factory
- Medicine manufacture
- Beverage manufacturer
- Cosmetics company
- Scientific research authority, universities, laboratories

Now, there are some inquiries from America and Europe.

## Effects

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Regarding hygienic of microbe in water environment and in foodstuff, to count quickly alive microbes is needed.

MGS-10-1 device can rapidly count the amount of micro colony grown up on the filter. CCD(or LED) camera takes in optimum image of micro colony excited by laser. 130 visual fields can be counted for a minute by high speed moving stage.



**CEW**

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