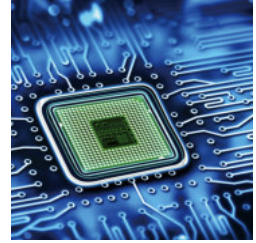


MLCC Manufacturing Process



01

General Process

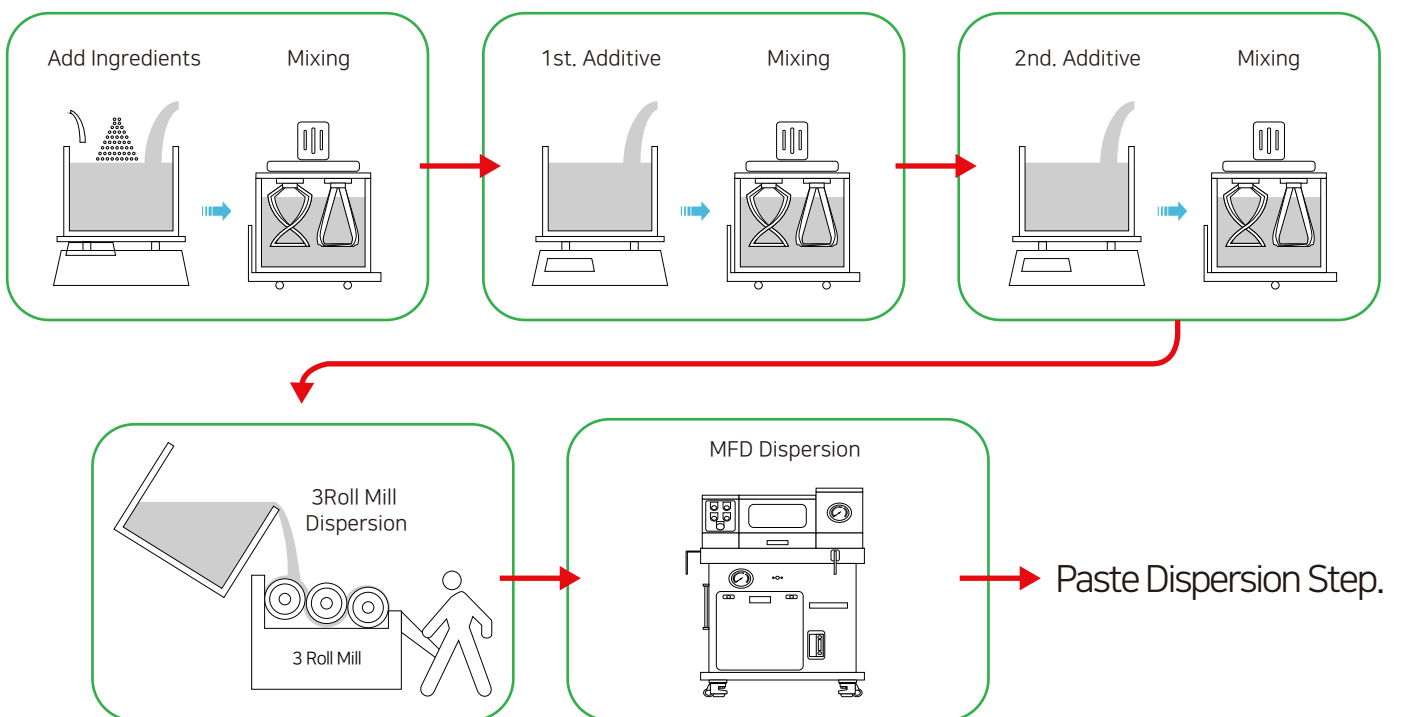
- 1) It proceeds by dividing the metal dispersion step and the paste dispersion step.
- 2) In the metal dispersion step, input, weighing, and mixing of various materials are carried out separately. After that, the integrated dispersion is carried out with a 3 Roll Mill.
- 3) When the metal dispersing step is completed, the materials are transferred to the MFD (Microfluidizer). Proceed with the paste dispersion step.
- 4) Packaging the final product after dispersion.

02

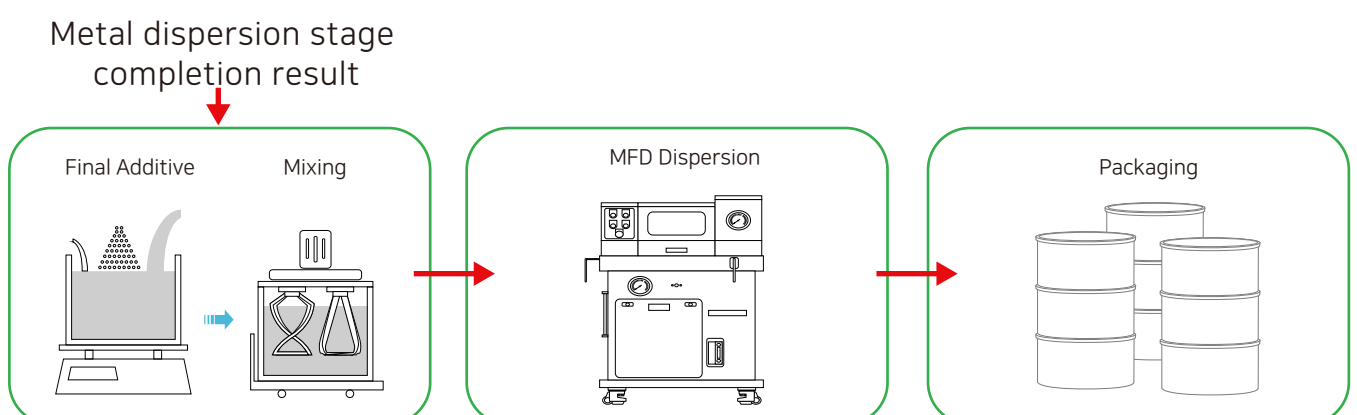
Problems With The Existing Process

- 1) It is produced in a complex process of several steps, divided into a metal dispersion step and a paste dispersion step.
- 2) Multiple additives and weighing are required for each material, and expensive equipment such as Planetary Mixer, 3 Roll Mill, and MFD (Microfluidizer) is required.
- 3) Each step requires movement, and manual operation requires a lot of manpower and time.
- 4) The overall process is inefficient because a lot of time and cost and manpower are invested.

1) Metal Dispersion Step



2) Paste Dispersion Step.



Even such a difficult process can be innovatively improved with MIXENMILL.

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