

食品微生物検査用バッグ型ホモジナイザーの開発

DEVELOPMENT OF FOOD MICROBIOLOGICAL TEST BAG-TYPE HOMOGENIZER

要旨

当社の精密機構部品の開発で培った機構設計技術と、新たに取り組んでいるセンシング技術と電気制御技術を基盤に、食品微生物検査用バッグ型ホモジナイザーを開発した。本製品は静音性、メンテナンス性、破砕性、安全性、操作性の向上を目指し、駆動機構やパドル形状、操作パネルに工夫を施している。開発モデルでは動作音の低減(65dB 以下)、着脱容易なドアの構造、高い破砕効率を誇るパドル、安全機能やメモリー機能を備え、検査作業の効率と精度の改善を実現した。

Abstract

Based on Origin's mechanical design technology cultivated through the development of precision mechanical components, and newly adopted sensing and electrical control technologies, we have developed a bag-type homogenizer for food microbial inspection. This product aims to improve quietness, maintainability, crushing performance, safety and operability through innovations in its drive mechanism, paddle shape, and control panel. The developed model achieves a reduction in operating noise (below 65dB), an easily detachable door structure, a paddle boasting high crushing efficiency, and incorporates safety functions and memory functions, thereby improving the efficiency and accuracy of inspection work.

