



Is your thermal process fully validated?

JBT Process Technology Center - Sint-Niklaas - Belgium



JBT has a long history of food processing equipment. Having sold over 40,000 machines worldwide, JBT engineers and technicians have been confronted with and solved some of the toughest problems for food processors. Today, more than 50% of the world's shelf-stable foods are filled, seamed or sterilized on JBT equipment.

Your process needs to comply with e.g. FDA 21 CFR 113 (Thermally Processed Low-Acid Foods) / HACCP / GMP... etc. JBT is a recognized thermal process authority and is in the unique position of being able to offer extensive thermal process expertise regarding virtually all low- and high-acid foods in nearly every type of sterilizing system and every type of package.

JBT's Process Technology Center can assist you with process validation, process development, container performance studies and training.

## Process validation

JBT's Process Technology Center comprises a broad range of data collection equipment for temperature and pressure. We can, for example, simultaneously measure up to 128 channels, wired and/or wireless.

- ✓ Temperature distribution studies
- ✓ Heat distribution studies
- ✓ Heat penetration studies

Based on these studies JBT provides:

- ✓ Validation Reports
- ✓ Process Deviation Analysis
- ✓ Reference Letters for Thermal Process Filing (FDA)

## Container Performance Testing

Determining container specifications (can deformation testing, bulging, deflection...) in relation to thermal processing. We help you introduce new packaging on existing machinery.

## Thermal Process Development

JBT's PTC has accumulated widely appreciated know-how in virtually all process-related issues and will help you develop the optimal process for your equipment/product combination, either in your own facilities, or in our pilot facility. We can simulate any type of sterilizer to help you with:

- ✓ Development of new sterilization processes
- ✓ Process optimization

Our PTC also assists you in optimizing the filling & seaming operations for your JBT equipment.

- ✓ Can Seaming Performance
- ✓ Can/Jar Filling Performance

## Training & Audits

- ✓ Thermal processing training
- ✓ Operator training
- ✓ Processing NumeriCAL™ software (thermal process modeling)

John Bean Technologies N.V.

Breedstraat 3 | 9100 Sint-Niklaas | Belgium

Phone: +32 3 780 1211 | Fax: +32 3 777 7955

ptc.belgium@jbt.com

