

Thesis

Project 1: Biopolymers for calendaring

Company: Riflex Film AB

www.riflexfilm.com

Extent

Masterlevel (20 weeks), suitable for one or two students working together.

Field of study

Engineering with specialization materials, chemistry, engineering, physics or equivalent qualification.

Planned start and duration

At once or at the latest march 2013.

Task

Background

Riflex Film AB is using calendaring for manufacturing of different sheetings for a large number of applications. The calendaring line include a number of very critical steps before the actual calender; a) raw material mixing, b) extrusion mixing, c) roller mixing, and d) straining. During the development of new material recipes with new environmental friendly additives it is important to make sure that each processing step has optimal parameters setting.

Objective for project

Riflex Film AB needs to improve settings for some of the processing steps for optimal processing and application properties. The objective of the project is to develop processing settings for optimal processing properties as well as optimal application properties.

The work will include practical experiments and tests in laboratory equipment as well as production line.

About Riflex Film AB

Riflex Film AB manufactures flexible PVC films and foils at the highly automated plant in Ronneby. Our main strength is our ability to offer a broad spectrum of thickness and widths, all at top quality and with compliance to each customer's specific standards and requests.

Cefur

Our main market is Europe and our product range is flexible plastic sheetings up to 2300 mm wide and thickness from 0,04 mm to 1,5 mm. Key applications for our sheeting include products for:

- projection screens manufacturing
- swimming pools
- decoration, textile manufacturing and interior design
- flexible packagings

Riflex is concerned about the environment and we comply with ISO 14001. We recycle all waste material internally. We are also certified according to ISO 9001. Our raw materials comply with REACH requirements. In recent time we have started to develop processes and materials for biopolymer applications.

Location

Ronneby

Language

Swedish or English.

Expenses

Travel expenses might be reimbursed after agreement.

Please contact

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<http://www.ronneby.se/sv/sidowebbplatser/cefur/examensarbete/>

Application

Register your interest by sending your CV, cover letter, course list and references to the contact person at Cefur: martina.lindgren@ronneby.se
Application and selection is ongoing.