

Appendix 1 - Specifications for automatic horizontal flowpack machine

The Buyer has a right to reject the tender if there are any deviations from these quality standards but may accept deviations if the overall tender is deemed responsive. Performance beyond the required quality standards will be awarded a higher score.

The performance of the equipment system under “Technical solution” will form a significant part of the evaluation of the tenders under the Quality award criterion.

The tender should include answers/comments to all the requirements, and a further description where appropriate – highlighting the functionality of the system and its user friendliness. The description should also include any additional functionality or other options that adds value for the Buyer.

The technical solution shall:

We are seeking an automatic horizontal flowpack machine for research and development purpose. The main task performed on this equipment is to package a range of various food products with different packaging materials/methods.

General requirements:

- User interface that enables easy operation and control of machine settings; easy to change machine setup (special equipment and software) which enables running of materials with different thicknesses, origin, and qualities
- Training in use of the machine
- Possibility for instrument control and guidance over internet will be valued (by e.g. TeamViewer or other means)
- Support available on phone and e-mail (answer within 48 hours)

Specific requirements

Equipment required (for research purposes):

- Industrial grade automatic horizontal flowpack machine designed for food processes
- Stainless steel
- Box motion
- Top welding (with fin-seal)
- MA-packaging: flowmeter (for use of gas cylinders)
- Minimum width: 700 mm film and 350 mm welding width
- Approximate length: 5-6 meters
- Suitable to run a broad range of materials: plastic mono films and laminates, cellulose or paper-based materials and thin shrink films

- Technology that secure good runability for “challenging” and thin films such as e.g. extended belt at folding box area, double motors for welding wheels etc. Technical description and the advantages of the chosen solution must be elaborated
- Feeding zone: manual loading (small series will be run and there will be no need for long and advanced loading zone)
 - Continuous conveyor belt - must be easy to clean

Transport, installation, service, training

- Description of costs for transport, installation, service agreement (maintenance, 3 years from expiration machine warranty)
- Description of feasible training program for staff at Nofima and additional assistance during experimental run of challenging packaging materials

Optional requirements

- Equipment that cuts excess film for better packaging appearance including cutting and collection of residual film
- Variable bag length (conforms to different size of products)
- Photocell control for pre-printed film

Timeline: The equipment should be delivered as soon as possible. Please describe the estimate for delivery date.