Focus on Pellet Heaters
LINAK as your partner

We do not want to be merely another supplier to our customers. We want to be your partner.

When partnering with LINAK® you get more than just a product in your hands. Our goal is to create added value to our customers by offering innovative solutions, extensive knowledge, world-class production and global presence.

LINAK offers service worldwide

Please contact your local LINAK office with your enquiry

The actuator from LINAK moves the cleaning device in the pellet heater boiler.
Added comfort with automated cleaning systems

During the past years, heat production with wood energy has increased considerably. More and more domestic homes heat with wood pellets while industries mainly use woodchips. Wood pellets are a favourable alternative to oil or gas. Another factor is the CO2 emissions. Wood is a CO2 neutral combustible material as it only releases the CO2, which the tree has absorbed from the air previously.

Not only the ecological aspects are important to the end-user when buying a pellet heater. Ease of use and maintenance of the pellet heating system must be exactly as simply as they are for oil and gas systems. With linear actuators from LINAK®, you can optimise the ease of use with an automated cleaning process. The actuators dislocate the combustion grate and with this movement, it brushes across a cleaning device. The ash falls down into an ashpan, which is easy to empty without interrupting the operation. This reduced time required for the cleaning process considerably. By means of a position feedback in the actuator, the position of the ash brush can be transferred to the control system of the pellet heater.

The actuators of the TECHLINE® product range offer following advantages:

- Position feedback
- Precise movement
- Reliability
- Protection class IP66 for high resistance towards dusty environments and high pressure cleaning
- Space-saving installation
- Problem-free and simple operation

“LINAK actuators optimise use by automating the cleaning process. The position of the ash brush is controlled by position feedback from the actuator.”
IC movement for pellet heaters

IC is the range of integrated control options for TECHLINE® actuators that present you with almost unlimited possibilities for superior control and monitoring, to enhance the value and performance of your application.

For pellet heaters, actuators with IC provide cost-effective performance and innovative technology:

- Simple installation with built-in electronics.
- Easy overview and precise control of the actuator movement.
- The actuator can be customised on site to fit multiple solutions in a single application.
- Easy monitoring of the actuator’s condition which ensures a minimum of downtime.
- All IC options are based on the same welltested interface, which is covered by the actuator’s IP degree.

If you are looking for a movement solution that will help you stay competitive in the future, then go for LINAK actuators with integrated controller, and Move for the Future.

For more information on IC, please go to LINAK.COM/SEGMENTS/TECHLINE/TECH-TRENDS/INTEGRATED-CONTROL/
Move for the future

Step into the future world of movement and enhance your competitive edge. Do you want cost-effective performance, innovative technology and a competitive edge?

Go for ICTM and Move for the FutureTM
Actuators for Pellet heaters

LINAK® industrial actuators offer a versatile array of movement solutions for pellet heaters.

With **thrusts up to 15,000 N, max speeds up to 160 mm/s, and strokes between 20 and 999 mm**, the actuators are highly adaptable for a wide variety of applications.

Industrial actuators with **heavy-duty aluminium housings** are very suitable for use in corrosive environments. Having been thoroughly salt spray and chemical resistance tested and approved for ratings up to IP66 and IP69K static, these actuators will work reliably for years, even when exposed to salt, water, wind, and sun.

**Operating temperatures between -40°C to +85°C** make them fit for work in numerous settings.

By using an integrated controller, industrial actuators are configurable and offer **relative or absolute position feedback** as well as **performance monitoring.**

---

**Actuator LA33**

**Actuator LA30**

**Actuator LA25**
We understand your business
On the cooperational side, it must be easy for our customers to do business with LINAK®. Therefore, we offer both standard components and customised solutions according to demand. In close cooperation with our sales engineering team you can develop an optimal solution that fits perfectly to your task and demands.

Our LINAK TECHLINE® division is committed to offering innovative solutions that help improve life for you and for the end-user of the system.
100% function tests

In each application, the actuator is just one component of many, but at TECHLINE® we fully appreciate that it is of utmost importance to you and your customers. Not a single actuator leaves LINAK® until it has undergone a 100% function test.

Depending on the actuator type, various tests have been carried through. Please consult your local LINAK office or take a look at the actuator data sheet in question to get a thorough test overview.

This is your guarantee that a solution based on LINAK TECHLINE electric actuator systems is a solution that will work reliably for years and years.

Electrical tests:
All electrical parts are tested i.e. power supply, power and signals cables, control signals etc. Electrical immunity is tested according to industrial standards i.e. for radio noise, electrical discharge and burst.*

- EN/IEC 61000-6-4 - Generic standard emission industry
- EN/IEC 60204 - Electrical equipment of machinery
- EN 50121-3-2 - Railway applications - Rolling stock apparatus
- 94/25/EC - Recreational crafts directive
- EN/ISO 13766 - Earth moving machinery
- EN/IEC 61000-6-2 - Generic standard immunity industry
- 2004/104/EC - Automotive Directive
- EN/ISO 14982 - Agricultural and forestry machines
- EN/ISO 13309 - Construction machinery

* These tests do not apply to third party products!
Climatic tests:
In the climatic test the actuators are tested to operate in extreme temperatures as well as to endure rapid changes in temperature. In some tests, the actuator has to withstand going from a +100°C environment to -30°C repeatedly and still maintain full functionality.

Mechanical tests:
Vibration: The actuator must withstand continuous vibration in three directions.
Shock: The shock test puts the actuator through 3 shocks of up to 100 G in each of 6 directions.
Bump: The actuator receives bumps of up to 40 G in each of six directions several hundred times.

EN600068-2-1 (Ab) - Cold test
EN600068-2-2 (Bb) - Dry heat:
EN600068-2-14 - Change of temperature
EN600068-2-30 - Damp heat
EN600068-2-52 - Salt spray
EN60529-IP66 - Degrees of protection
BS7691/96 hours - Chemicals

EN600068-2-36 (Fdb) - Vibration
EN600068-2-29 (Eb) - Bump
EN600068-2-27 (Ea) - Shock
For further information, please visit our website:
LINAK.COM/BUSINESS AREAS/ENERGY/PELLET HEATING/

TERMS OF USE

The user is responsible for determining the suitability of LINAK products for a specific application. LINAK takes great care in providing accurate and up-to-date information on its products. However, due to continuous development in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products. While LINAK uses its best efforts to fulfill orders, LINAK cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK.

All sales are subject to the Standard Terms of Sale and Delivery for LINAK. For a copy hereof, please contact LINAK.

LINAK has a world-class sales and service organisation. Today we are present in 35 countries all over the world. For further information, please visit our website: LINAK.COM