

TECHNOLOGIES FOR CATTLE



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The requirements for cattle farms and creating optimal conditions have fundamentally changed in the past couple of years. Without new technologies and modern approaches you cannot guarantee the high efficiency of farms. Therefore, the company BAUER TECHNICS uses the latest scientific knowledge and farmers experience from around the world. Modern farm cattle breeding is a complex of top technologies. In order to function as a balanced unit, it is necessary to have not only the appropriate technology, but the experience of a team of top-class specialists - architects, builders, livestock specialists, feed and genetic specialists, electrical engineers and others.

BAUER TECHNICS meets the above requirements and thanks to this has successfully implemented a number of projects such as reconstruction of farms and stables, as well as the construction of new „greenfield site“ farms not only in the Czech Republic but also abroad.

Beef has been in the last few years on the menus of most countries. Cattle meat and milk production, in an efficient manner and required quality, is a complex of many factors. We're talking about the „industrialization“ of production. Production in small capacities, without top-class procedures and technologies is basically impossible. Classic agricultural production has virtually disappeared. Chances of succes are only for complex designed farms, without compromising on technology, construction of buildings and technological processes. Without high-end electronics, there is no chance to ensure high results.

The company BAUER TECHNICS offers for all categories of cattle a complex supply of structures and technological units. We prepared the high-end systems of feeding, watering, ventilation and heating, microclimate management, control systems, lighting, milk collection etc. including new systems such as cage systems, free-range systems, etc. All this with respect to the lowest possible cost while maintaining the conditions for high efficiency and quality of production.

BAUER TECHNICS OFFERS A COMPLETE RANGE OF TECHNOLOGIES, STRUCTURES, BUILDING COMPONENTS AND SERVICES:

- ▶ **Preparation and processing of all stages of project documentation**
- ▶ **Building construction - steel, wood, concrete**
- ▶ **Roofing - sandwich, fiber cement, metal, including lighting, polycarbonate panels**
- ▶ **System of barriers**
- ▶ **Lying mattress - polyurethane cover with carpet, water, rubber, foam**



- ▶ **Drinking systems**
- ▶ **Slurry technology – pumps, mixers, separators, BRU Bedding Recovery Unit, chain and hydraulic scrapers, robotic barn cleaners for corridors**
- ▶ **Slurry storage – lagoons, concrete and steel tanks, storage bags**
- ▶ **Slurry application – tanks, applicators**
- ▶ **Ventilation systems including management – slots, side flaps – various types and designs.**
- ▶ **Cooling systems for stables – fans of various types and sizes, high pressure water jets, large mixing fans**
- ▶ **Automatic feed pushers**
- ▶ **Milking equipment – all types of milking bays, identification system for dairy cows and heifers**
- ▶ **WIFI data collection directly from the stables, sorting and weighing system, minilab for analysis of milk directly standing in the milking bays**
- ▶ **Cooling and storing milk – outdoor, indoor types of tanks using waste heat while cooling milk, for heating domestic hot water or for power, especially in the winter**
- ▶ **Feed storage – silo weighing systems**
- ▶ **Feed mills and animal feed production**
- ▶ **Incinerators (rendering plant – Incinerator)**

PROJECT PROPOSALS OF INDIVIDUAL FARMS AND STABLES DEPENDS ON:

- ▶ **Landscape conditions – farm placement (hygienic zone, nature conservation, distance from residencies)**
- ▶ **Animal Husbandry – hygienic farm solutions**
- ▶ **Farm zoning, road and driveway solutions**
- ▶ **Using herd turnover systems**
- ▶ **Stabling method of individual cattle categories**
- ▶ **Ventilation systems, heating and cooling systems**
- ▶ **Feeding systems**
- ▶ **Solutions for slurry storing and application**

All the offered and supplied technological elements comply with the laws on animal welfare both in the Czech Republic and the EU.

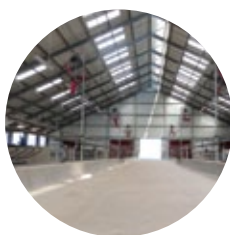


BAUER TECHNICS

BAUER TECHNICS was established in 1992, initially as a sales and service group for Bauer GmbH Voitsberg. Over the years, the company focused primarily on the realisation of turn-key farm projects and has become the leader in this field on the world market. For successful development of the company we use the latest technologies in this field and we have a team of experienced and professional experts in various fields of the industry that are required for successful realisation of projects. BAUER TECHNICS is mainly focused on large agricultural and food industry projects. They are implemented throughout the world, especially in Russia, Ukraine, Belarus, Kazakhstan, Algeria and Slovakia etc. Our domestic market in the Czech Republic we do mostly projects of a smaller scale. Comprehensive supply of capital equipment, including buildings and technologies for agriculture and food processing, complete farms for breeding and fattening, meat and milk processing, storage of agricultural products, but also in the field of ecology such as storage and processing of slurry, including biogas stations.

MAIN REALISATIONS

- ▶ **ZD Maleč (Czech Republic) - farm for 600 cows**
- ▶ **DS AGROS Netín (Czech Republic) - farm for 450 cows, incl. reconstruction**
- ▶ **ZDV Krchleby (Czech Republic) - farm for 480 cows, incl. reconstruction**
- ▶ **Nový svět (Russia) - farm for 5,800 sows**
- ▶ **Voschod Kaliningrad (Russia) - farm for 24,000 pigs**
- ▶ **DAN Moravia Agrar (Czech Republic) - farm 1,8 Million fattening of chickens (Danish investor)**
- ▶ **Energotransinvest Kiev in Bolgrad (Ukraine) - farm for 1,500 sows**
- ▶ **Stiomi (Ukraine) - grain storage for 160.000 t of grain**
- ▶ **Maksimovka in Obninsk (Russia) - pig farm for 600 sows**
- ▶ **Borisov farm 1 (Belarus) farm for 24,000 pigs**
- ▶ **Borisov farm 2 (Belarus) farm for 24,000 pigs - in implementation**
- ▶ **Zalevskoe Moloko (Russia) - farm for 1,200 dairy cows**
- ▶ **Astarta Kiev (Ukraine) - farm for 1,200 dairy cows**
- ▶ **DAN SK Agrar (Slovakia) - farm for 6,000 sows (Danish investor - now the completion of the farm for 9,000 sows)**
- ▶ **DAN SK Agrar (Slovakia) - Velké Kosihy - 24 halls for fattening pigs (Danish investor)**
- ▶ **Proovo (Slovakia) - completion of the farm for 4,800 sows (Danish investor)**
- ▶ **Rosagroregion (Russia) - Agrohôtel in Anapa**



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