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## Emrocon Brewing System (EBS)

EBS combines the European tradition of beer brewing with the state-of-the-art process control technology and support.

The technology of EBS takes part of high innovative system with fully automatic production of beer and software that allows configuration of different beer recipes and easy program managing of production process.

The system is designed for pub, restaurant or hotel owner who wants to offer a good home-brewed beer to the guests.

We believe that besides the quality of beer the most important things to consider are quick investment refund, simple low-cost brewing process and beer storage.



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## Advantages of using EBS:

- quick and energy efficient brewing process
- simple cleaning
- centralized control of brewing process and beer storage
- manually controlled or completely automatic brewing process and beer storage
- user friendly multilingual interface that helps new brewer to master the process in a short amount of time
- support for various beer recipes
- included beer recipes and integrated support for developing your own recipes
- modular composition that offers simple system expansion
- possibility of remote monitoring and control
- integrated support for supply and stock management, product traceability and production analysis





## Products (technical specifications)

Type	EBS 250	EBS 500	EBS 750	EBS 1000
Quantity of beer per brew (net liters)	250	500	750	1000
Quantity of beer per year (net liters)	12000-36000	30000-180000	70000-240000	100000-380000
Time for one brew (h)	5	8	10	12
Space requirement (m <sup>2</sup> )	20-30	40-80	60-100	80-130

### Warranty conditions

The system has five years warranty for all brewery parts. Within the first 2 years we provide annual inspection of the system.

### New brewer training

Individual training of new brewers is included in the price of the system. Our brew masters will explain the concepts of the brewing procedures and teach you how to use the system efficiently. Together we'll brew two beer batches to make sure everything is ready for production. Besides the technical user's manual, user also receives a booklet with good brewing practices and typical brewing mistakes.

### Customer support

We provide consultations on brewery investment planning, brewing procedures and process automatization. Every brewery is unique therefore our brewing systems are developed and implemented with respect to the customer requests and needs. We are always available to our customers:

- phone: +386 31 347 945
- e-mail: [support@emrocon.si](mailto:support@emrocon.si)
- web: [www.emrocon.com](http://www.emrocon.com)



### Software control

The heart of EBS is the software control system. It was developed in cooperation with brew masters, pub and restaurant owners and home brewers. Therefore it is fully adapted to all user profiles. The constant monitoring of system's actual usage in our own brewery enables quick patches, updates and improvements.

The control system comprises three modules:

- process control,
- recipe editor,
- support information system.

This modular structure enables every module or combination of modules to operate independently, depending on the customer's wishes. Alternatively, all modules can work as a tightly integrated system that covers the whole process.

### Process control

Process control system monitors and controls mashing/cooking process, fermentation process and beer storage. User friendly graphical interface and advanced automation simplify brewing process and reduce the number of required user interactions. The process can run almost completely automatically, user only needs to add the necessary ingredients when instructed by the system. There's no need to worry about what kind of procedures have to be carried out at certain time, because the system guides the user and takes care for all the tedious work. Nevertheless, the system also has a built-in manual mode, which allows the experienced brewers to take complete control of the process and let their creative juices flow. The system can also be upgraded with smart remote control modules that use computer network or mobile phone network.

### Recipe editor

EBS is an open system regarding different brewing recipes for different beer types. Due to recipe editor's advanced interface, user can primarily focus on the beer recipes and ignore technical details of the system. Recipe editor can be a part of the control system on the site, thus enabling direct recipe adjustments, or standalone PC software, so the users can edit the recipes anywhere they like.

### Support information system

A successful brewery management does not depend only on brewing quality but also on efficient ingredients and beer stock management, monitoring, analysis and traceability of brewing process usually required by inspection offices. This can be easily achieved with the supporting information system. It can work as a standalone software or as a support software connected to the machine. The latter greatly simplifies management process because most of the required data is automatically acquired from the control system.

