



## EBC DEVICE

FOR ALL KINDS OF FAST  
CUTTING AND DRILLING OF ALL  
KINDS OF MATERIAL ON THE  
GROUND AND UNDER THE WATER

## QuickCut

ON ALL PLACES AND IN ALL  
CONDITIONS, FAST, NOISE AND  
DUST FREE, NO VIBRATIONS

SIMULTANEOUS AND FAST  
CUTTING AND DRILLING OF ALL  
TYPES OF METAL, REINFORCED  
CONCRETE AND STONE



## EBC Device 12/17/22

EBC Device 12/17/22 – a bigger and more robust model of the device that is generally used for performance of heavier and larger tasks at various building sites concerning cutting and drilling of iron and other metals, as well as solid reinforced concrete and all types of natural stone. The device uses tubular electrodes of  $\text{Ø}$  12 mm – standard length 1000 mm, 1500 mm and 2000 mm and  $\text{Ø}$  17 mm – standard length 1500 mm, 2000 mm and 3000 mm and  $\text{Ø}$  22 mm – standard length 1500 mm, 2000 mm and 3000 mm.



## EBC Device 10/12/17

EBC Device 10/12/17 – a smaller and easier version of the device that is generally used for performance of quick tasks of lesser scope, and it is very useful for emergency interventions including cutting and drilling of iron and other metals, as well as solid reinforced concrete and all types of natural stone. The device uses tubular electrodes of  $\text{Ø}$  10 mm – standard length 1000 mm, 1500 mm and 2000 mm,  $\text{Ø}$  12 mm - standard length 1000 mm, 1500 mm and 2000 mm and  $\text{Ø}$  17 mm – standard length 1500 mm, 2000 mm and 3000 mm. Except in standard lengths, the electrodes can be produced in accordance with the customer's requirements and needs. The chuck of this device allows the usage of tubular electrodes of up to  $\text{Ø}$  17 mm maximum.



## Technical Features

**EBC DEVICE** uses special tubular electrodes that on their burning tip release a very high temperature that literally melts all the known kinds of material cuts and drills.

- The only requirement for undisturbed and efficient operation is pure oxygen that can be ordered in tanks of 5 to 50 kg when required.
- The design of the device is adjusted for easy handling in all work conditions, and the chuck can easily be adjusted to different diameters and sizes of tubular electrodes in accordance with the requirements.
- The device uses electrodes from 60 cm to 300 cm, when required.
- The device operates on the ground and under the water; it is noise, dust and vibration free.
- EBC Device is very simple to maintain and use.
- Its durability and resistance was tested in the most difficult work conditions.

## Portable EBC Device is an Ideal Help in Different Crisis Situations Such as:

- Earthquake.
- Fire.
- Flood.
- Collapsed buildings.
- Railway and other traffic accidents.
- Various situations when a quick intervention is required to remove metal, concrete and other obstacles in order to save lives and property.



**EBC Device** develops temperatures from 6000 to 6500 °C at the tip of the electrode (oxygen / acetylene are effective at around 3500 °C) and have the ability to melt and remove quickly literally any material that comes into its way. The tubular electrode of the system melts fasts, cuts, hollows and drills through almost any known metals (both coloured and uncoloured) including case iron, steel, stainless steel, nickel, aluminium and several layers of steel as well as rust (no need for taking off the rust layer before cutting, no matter of its thickness) and materials such as reinforced and plain concrete, all kinds of stone, granite and other materials.



Although high temperatures are used for cutting, there is no risk of change of the structure and quality of the material that is cut or drilled since the high temperatures are achieved only in the part of the material that is cut or drilled, so the quality and structure of the cut or drilled material remains intact. The tubular electrodes are highly adaptable and come in different dimensions, which enables cutting and drilling on highly inaccessible and unapproachable places, in the water or in mud.

The terrestrial and submarine drilling and cutting of all technical materials is performed by a single device that develops temperatures from 6000 to 6500 °C at the tip of the electrode, which enables drilling and cutting of almost all, up until now, known technical materials used in construction and metal industry. For example, it must be mentioned that the concrete comprises sand and cements, and according to the relevant literature:

- The melting point of sand is around 1700 °C (quartz sand) and for some special types of sand the melting point reaches up to 2000 °C.
- The melting point of cements (Portland cement) is >1200 °C .
- The melting point of steel is around 1370 °C.
- The melting point of iron is 1530 °C.





**EBC Device** is simple and easy to manage, which enables its easy and fast transportation to the required place, which is especially suitable for work in highly inaccessible and unapproachable places (it is carried and used as manual equipment), and it is equally efficient on the ground and under the water where it was tested in various conditions.

The most usual technical and technological solutions that are applied for cutting, cutting off, drilling, chopping, dismantling and disassembling, crushing or removal of heavy industrial constructions made of a combination of materials such as concrete, steel, cast iron, ceramics and similar material used in construction engineering include flame cutting (for metal parts), pneumatic and electric hammers (for the concrete parts) and mining of constructions if they are situated outside, which usually causes a lot of noise, vibration and dust.

Our device drills and cuts noise, vibration and dust free, and many tasks are performed much faster, easier and more cost-effective than when performed by means of other drilling and cutting methods.

**The EBC Technology** enables you to perform drilling and cutting of all kinds of hardest materials at most inaccessible places fast and without noise or dust.



## Cast and rusty iron



## Bronze



## Stainless steel (inox)



## Mobile device





## Wide Use of **EBC Devices**:

### **Industry:**

- CONSTRUCTION ENGINEERING
- PRODUCTION OF STEEL (STEELWORKS)
- SHIPYARDS
- METAL WASTE STORAGE CAPACITIES

**EBC Device is necessary equipment for services that require for their operation tools for fast removal of any obstacles found on their way of saving lives and property due to natural disasters (earthquake, fire, flood), road and railway traffic accidents, as well as other kinds of accidents and emergency situations both on the land and on the sea:**

- RESCUE SERVICE
- FIREFIGHTERS
- MOUNTAIN RESCUE SERVICE
- POLICE
- RAILWAY AND RAILROAD TRANSPORTATION SERVICES (IN CASE OF TRAFFIC ACCIDENTS)

**NOTHING CAN STAND IN OUR WAY IN RESCUING  
PEOPLE AND PROPERTY**

**EBC DEVICE IS OF GREAT HELP THERE WHERE IT IS  
NEEDED**

**QUICK REACTIONS AND REMOVAL AND ELIMINATION OF ALL  
KINDS OF OBSTACLES**

**DRILL AND SAVE!**