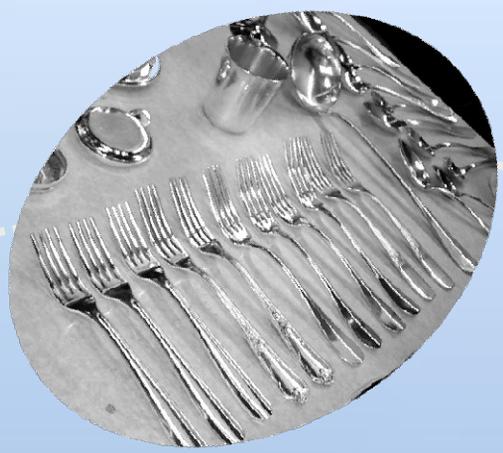


**ERI** industrial  
machines



# ERI 2000-II Burnishing machine

## *ERI 2000-II Burnishing machine*

*Since more than 20 years, ERI designs and manufactures several versions of burnishing machines for metal cutlery.*



The "ERI Burnishing machine" is particularly designed for the cleaning, maintaining and renovation of silver plated, stainless steel and other precious metals items and cutlery, such as copper, pewter, gold, bronze and brass.

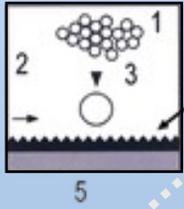


***Direct selling and repairing,  
without commercial middleman.***

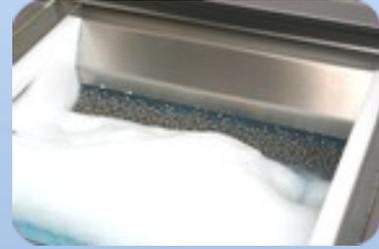
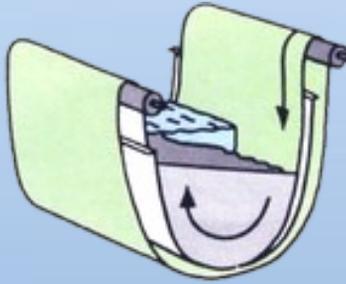
With its easy handling and its quick action, this machine considerably increases the treated objects' lifetime. This, added to its anti-bacterial action, makes the "ERI Burnishing machine" a machine that perfectly meets the restaurants', hotels' and silversmiths' needs.

# ERI 2000-II Burnishing machine

## Principle of operation



- 1 - Balls
- 2 - Conveying belt motion direction
- 3 - **Action:** item surface polished by the balls
- 4 - Silver molecule
- 5 - Silver support of the item



### **The principle is simple:**

The items are placed in a half-cylindrical stainless steel tank, which is containing 70 kg of very hard steel balls, put into motion by a conveying belt. A soap bath lubricates the mechanism. The steel balls, whilst rolling over the parts' surface, polish and flatten them simultaneously. Through this cold hammering process, the surface is hardened.

The scratches and knocks that are consecutive to handling and traditional processes of cleaning, are reduced.

Through this process, the original brightness of the items is restored, without removing the precious metal, contrary to manual maintaining methods. Regularly treated items keep their original shiny aspect and their lifetime is considerably increased.



**Before**

**After**

### **Hygiene guarantee:**

The antibacterial action of burnishing machines has been proved. On the burnished metal surface, which has become smooth, bacteria can't fix anymore.

### **Efficiency:**

The results are spectacular. The "ERI Burnishing machine" restores the original brightness of the items and avoids their early wear.

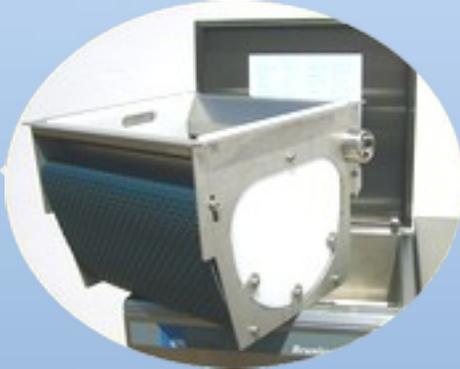
### **Easy handling, quick action:**

The operation is done in a few minutes (between 5 and 60 min, depending on the cutlery condition). No specific qualification is needed to use the "ERI Burnishing machine".

# ERI 2000-II Burnishing machine

## Technical specifications

**Easy extraction of the tank.**



**Entirely cleanable retention tank**

This compact machine, assembled on swiveling wheels, is entirely made out of stainless steel with an extractable tank, which is facilitating the cleaning and maintaining.

**Maximum capacity:**

40 to 60 forks and knives, depending on their size.

**Tank dimensions:**

32 x 40 cm.

**Tank weight:**

24 kg.

**Machine dimensions:**

75 x 56 x 90 cm.

**Total weight of the machine:**

215 kg, including 70 kg of balls and 40 l of water.

**Power / Voltage:**

550 W / 230 VAC.

**Electric wire length:**

3.5 m.

**Cycle period:**

- Usual maintaining: 5 to 10 min, depending on the wear and stiffness of the items to be treated.
- Renovation: 20 to 60 min, depending on the condition of the items to be treated.

**Conveying belt speed:**

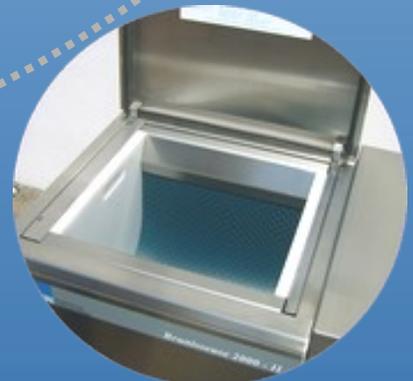
16 to 40 cm/s. Adjustable with a speed variator.



**Easy emptying.**

**The main advantages and improvements of the "ERI Burnishing machine" are :**

- Replacement of all ball bearings by specific rings (improved parts' lifetime).
- Laterally auto-guided belts (they can't jump out their slides).
- Machine entirely made out of alimentary materials (304L stainless steel, polyethylene).
- Direct engine driving (no pulley, no belt).



**No metallic element in contact with treated items.**

# *ERI 2000-II Burnishing machine*

## Products, parts and services

### **"ERI Deoxidizer":**

Thanks to its composition, it doesn't corrode the metal parts. That's an efficient product, which works within seconds and can be used repeatedly.

Packaging: 5-liter can.



### **"ERI Special soap":**

This powder soap, particularly designed for the burnishing machines, prevents the steel balls from oxidation. It provides them a protective film and assures their shiny aspect. It lubricates the balls and the conveying belt, assuring the good functioning of the burnishing machine.

Packaging: 4.5-kilogram bucket.



### **Conveying belts:**

ERI offers you its spare conveying belts in case of deterioration of yours.

Please ask for a price offer, corresponding with the version of the machine.

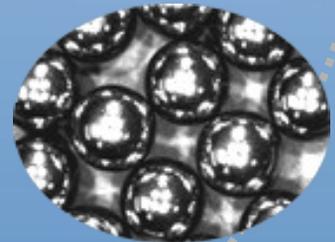
Packaging: Unitary.



### **Spare steel balls:**

ERI offers you spare or complementary balls, in stainless or standard steel.

Packaging: 70 kilograms for a machine, or complementary selling by kilogram.



### **Repair and retrofit:**

ERI workshop offers all kinds of repairs and spare parts for the burnishing machines. Please contact us.

*For any more information, repair or price request, please contact us.*



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