STAINLESS STEEL SPECIALISTS



NITTY-GRITTY MAKE IT SHINE

The company's extraordinary experience and knowhow in the stainless steel field have turned Nitty-Gritty into a one-stop stainless steel specialist committed to improving its machines on an ongoing basis and to designing and building electrolyte weld cleaning machines for its customers.

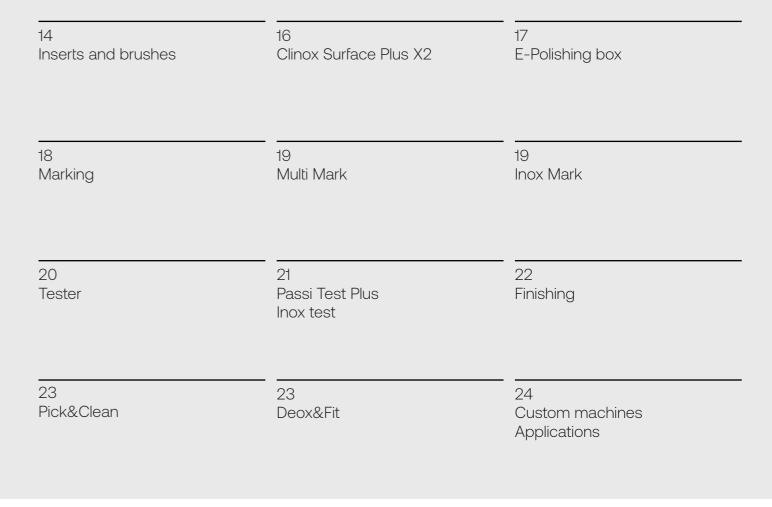
Nitty-Gritty: stainless steel specialists.



06
Clinox Surface X2

08
Clinox Power X2

10
Clinox Pro X2
Clinox Air X2



INVERTER TECHNOLOGY

Inverter technology, powered by a microprocessor, cuts off any short circuits, thus avoiding micro-pitting.

IN-BUILT TANK

The first to have integrated an automatic pump to dose pickling liquid.

VAPOUR SUCTION/BLOWING SYSTEM

The only machines with a patented fumes suction/blowing system.

TORCH WITH TANK

The only ones to have a patented secondary torch with in-built tank.

ADJUSTABLE BRUSH

Adjustable brush with fast connection and flow-through system.

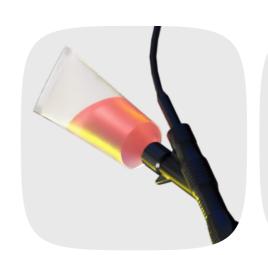
TECHNOPOLYMERIC PAD

The only machines that use a patented technopolymeric pad.













Nitty-Gritty's Clinox line, born for weld cleaning on stainless steel,

Nitty-Gritty's Clinox line, born for weld cleaning on stainless steel, is the most complete, most advanced range of pickling machines available today in the world.

By drawing on their inverter technology, all Clinox machines can control the flow of current. This ensures optimal working conditions, on any type of surface, and avoids irreparable damage to the stainless steel. All Clinox machines ensure the best result without wasting time because they can both pickle and passivate. Pickling means removing ferric oxide - the typical blue or bronze-brown colour - thus protecting the steel's look and avoiding corrosion. Passivation is the restoration of the chromium oxide layer that protects the stainless steel from corrosion.

The process of weld polishing needs particular care when treating steel with special finishing. There are mainly two reasons why the polishing process is so important: the need to uniform the surface of the stainless steel after pickling, and the need to favour and improve the process of steel passivation.

Neutralization is the process that will stop the action of the chemical used for pickling and restores the original neutral pH, helping to start the passivation process. This process is actuated with lnox Fit, a chemical solution developed by Nitty-Gritty, which is sprayed after the pickling operation.



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POWER& CONTROL



Clinox Surface X2 is the perfect solution to deal with all types of weld: TIG, TIG with added material, MIG/MAG, Arc MIG, Submerged Arc (SAW), Laser, Resistance, Orbital, plasma. Clinox Surface's advanced technology, with an immediate electrochemical reaction, grants pickling, passivation and polishing on any weld on a 300mm electrode, to remove oxidations stainless steel, independently from the finishing, without wasting time, not leaving any halo and offering full safety for the operator. Clinox Surface X2 the professional system, designed for companies with big applications.

With a 2500W inverter, the stronger in the Clinox line, a range of inserts and pads up to 100mm wide and a 6 meter long cable, Clinox Surface X2 can be easily used also on big and heavy structures. In addition you can connect to the machine a big telescopic tool with on big areas, such as on silos used in the food or wine industry.

The machine is equipped with an air compressed fume abatement system.



ENERGY& ELEGANCE

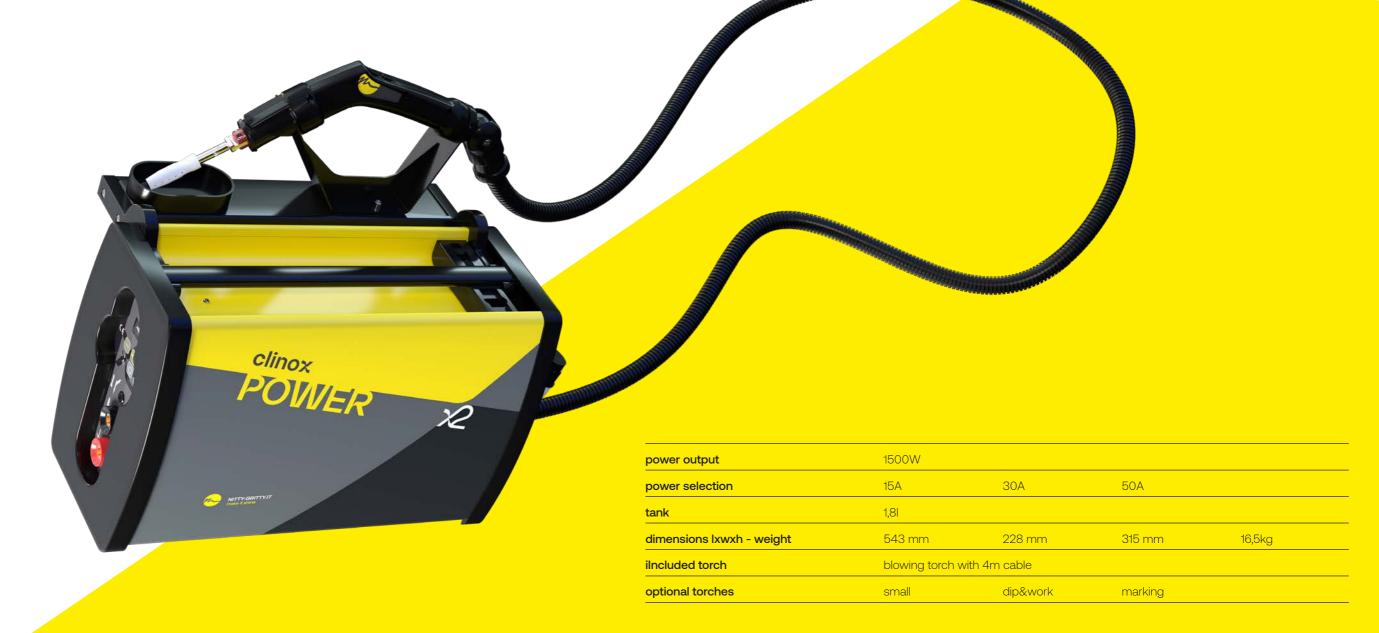


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Clinox Power X2 is the ideal solution for the immediate eco-friendly treatment of TIG, TIG with filler metal, MIG/MAG, pulsed-arc MIG, submerged arc, laser, resistance, orbital, and plasma welding. The advanced technology of Clinox Power X2, through an immediate electrochemical reaction, ensures the pickling, passivation and polishing of any stainless steel

weld, irrespective of the finishing, without wasting time, without leaving haloes, and in complete safety for the operator.

The machine is equipped with an air compressed fume abatement system.



SKILL& EFFICIENCY



Clinox Pro X2 performs immediate ecofriendly treatment of TIG, pulsed-arc MIG, submerged arc, laser, resistance, orbital, plasma, and tack welding. The advanced technology of Clinox Pro X2, through an immediate electrochemical reaction, ensures pickling, passivation and polishing of any stainless steel weld, irrespective of the finishing, without wasting time, without leaving haloes, and in complete safety for the operator.

The machine is equipped with a fume abatement system through suction.

Clinox

15A

1,81

small

dimensions lxwxh - weight 543 mm

power selection

ilncluded torch

optional torches

30A

torch through suction with 3m cable

228 mm

dip&work

315 mm

marking

FAST& PERFORMING



Clinox Air X2 performs immediate ecofriendly treatment of TIG, pulsed-arc MIG, submerged arc, laser, resistance, orbital, plasma, and tack welding. The advanced technology of Clinox Air X2, through an immediate electrochemical reaction, ensures pickling, passivation and polishing of any stainless steel weld, irrespective of the finishing, without wasting time, without leaving haloes, and in complete safety for the operator.

The machine is equipped with an air compressed fume abatement system.





Clinox Eco X2 performs immediate eco-friendly treatment of TIG, pulsed-arc MIG, laser, resistance, orbital, plasma, and tack welding. Clinox Eco X2, through an immediate electrochemical reaction, ensures pickling, passivation and polishing of any stainless steel weld, irrespective of the finishing, without wasting time, without leaving haloes, and in complete safety for the operator.

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NITTY-GRITTY srl

via dei Marmorari 36 t +39 059 785210 41057 Spilamberto Modena Italia

f +39 059 7861612 info@nitty-gritty.it VAT IT02316620364

