

Safe Profitable Quality

TUNGSTEN GRINDERS



inelco
grinders

We optimize health, profit & quality in TIG welding

We help our customers set optimal health and safety working conditions while providing them with a technology that improves welding quality & efficiency and creates considerable savings by reducing the use of tungsten electrodes by up to 50%.

When grinding tungsten electrodes, welders are exposed to hazardous dust inhalation, metal particle projections and a higher risk of accidents due to direct contact with the grinding wheel.

Precise settings and perfect centering of the electrode in the electrode holder during the grinding process guarantee savings. Variable angle setting of electrode tip and precise grinding improves welding quality.



Sealed machine and collection of the dust particles for optimal safety.



Minimal waste of tungsten electrodes ensures savings.



Variable angle setting of electrode tip and precise grinding improves welding quality.



We take health seriously!

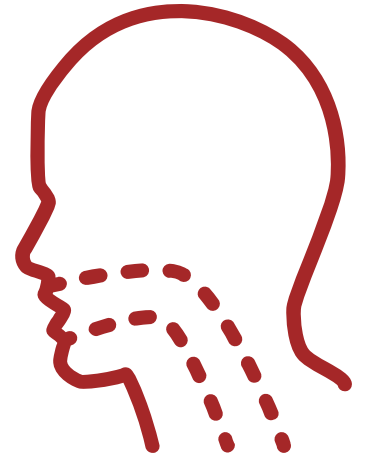
All welders wear a helmet and mask when welding and extraction systems are installed to improve the working environment for the welders. But several times a day, when tungsten electrodes have to be ground, the welder often use an open belt or bench grinder putting himself at risk.

When grinding tungsten electrodes, welders are exposed to hazardous dust inhalation, metal particle projections and a higher risk of accidents due to direct contact with the grinding wheel. The technology, knowledge and experience already exist on the market.

We have the technology, knowledge and experience to protect the welder from this hazard and provide a safe working environment around tungsten grinding.

Sealed machine and collection of the dust particles for optimal safety.

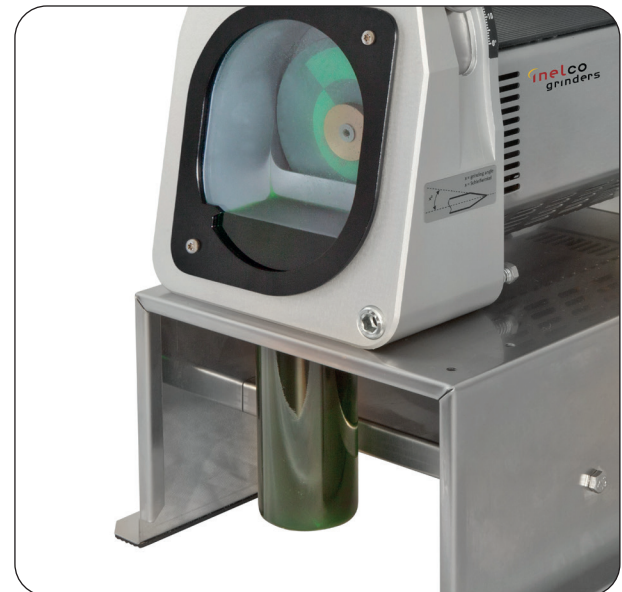




All risks can be avoided using a secure tungsten grinder which captures 100% of the dust.

In order to ensure the best possible results within a healthy and safe work environment, we work closely with leading educational institutions, because there is still a need to continue the development of proper equipment for the welding industry so that everyone can go to work without fearing for their health.

We believe that all risks can and must be avoided in any welding environment.



Reduce your usage of tungsten electrodes by 50%

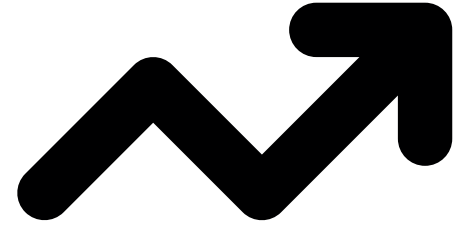
Working with an open belt or bench grinder lacks precision and grinding a tungsten electrode perfectly is a precision job. You will not be able to grind a good quality point on the tungsten electrode on these devices. Proper geometry of the electrode TIP is essential to obtain a stable arc and get optimal welding quality and efficiency.

Grinding tungsten electrodes on non-dedicated grinders also carries a high risk that adhesive residues from these products will deposit on the tungsten electrode, making the starting procedure worse.

Short electrodes often get thrown out to avoid hand injuries. The Inelco Grinders hold an electrode holder will not only be a much safer solution, but will also allow the welder to grind electrodes to a much shorter length and with much more precision.

Minimal waste of tungsten electrodes ensures savings.



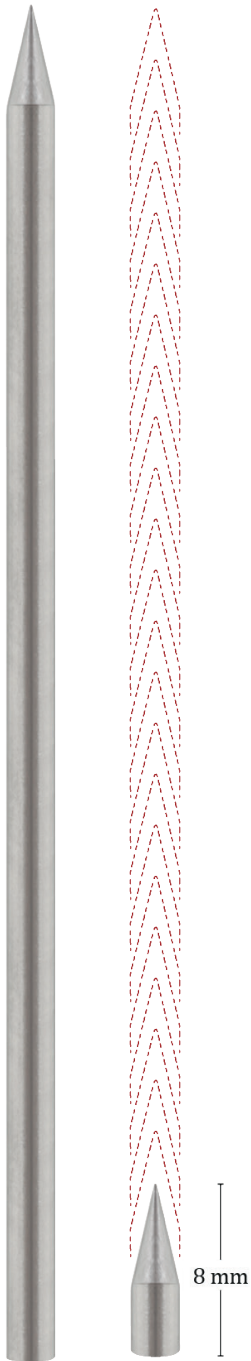


Minimal waste means better economy

1 + 1 = many

With Inelco Grinders, there is money to save. By utilising the electrodes better – all the way down to 8 mm on some Inelco models – there are real savings to be had with respect to electrodes. And with accurate grinding, it is actually possible to weld longer, and that means greater efficiency.

The grinding process of tungsten electrodes, if overlooked, can lead to excessive waste of electrodes. But with a quality tool such as Ultima-TIG, you can save up to 50% on tungsten electrodes and the ROI can take place within the first year of usage.



Precision is the KEY to improving TIG welding quality

Working with an open belt or bench grinder lacks precision. The welder will need more attempts to get the correct geometry required for the weld. Proper geometry is essential to obtain a stable arc and get optimal welding performances.

Grinding a top angle on the tungsten electrode is a precision job. Never grind tungsten electrodes on an open belt or bench grinder. You will not be able to grind a good quality point on the tungsten electrode on these devices and adhesive residues from these products will deposit on the tungsten electrode, making the starting procedure worse.

In the worst case, some of these contaminants will drop into the weld pool and pollute it, which is of course unwanted.

Variable angle setting of electrode tip and precise grinding improves welding quality.



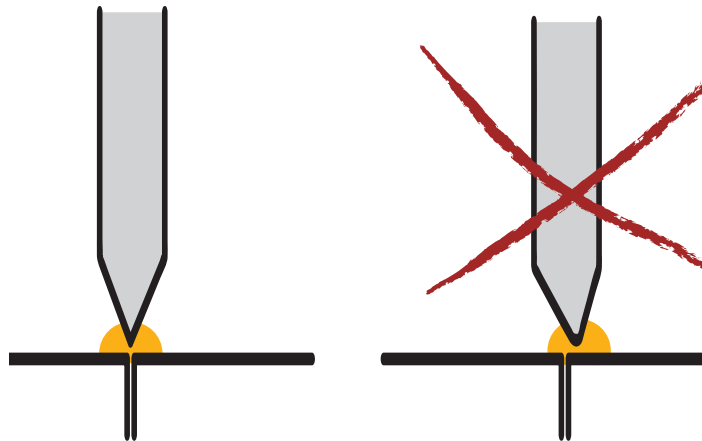
Precision grinding – **part of the secret**

A good, durable and strong TIG weld has to be done right

To do this, it is important that the tungsten electrode is ground precisely, otherwise, the weld will not be correct.

When grinding on an open belt or bench grinder, the angle is not accurate and it is difficult to achieve a uniform smooth surface on the electrode. This will cause energy loss and unstable arc behaviour, resulting in a poor welding quality.

If the welding does not live up to the quality requirements, it is expensive to repair and affects the efficiency.



About Inelco Grinders

Inelco Grinders A/S focuses on the development, manufacture and sale of tungsten electrode grinders that are primarily used for TIG welding. Our focus is to boost our leading position on new and existing markets with tungsten electrode grinders and to develop our business area within this sector.

We have many years' experience of both dry and wet grinding of tungsten electrodes, and today we enjoy a solid position on the market with dealers in more than 50 countries all over the world, as well as collaborating with some of the biggest manufacturers of welding equipment.

Many years as the world's leading manufacturer of tungsten grinders, our products are renowned for their unique quality, profitability and precision. Furthermore, our products represent a safe and eco-friendly solution, ensuring that tungsten dust is not spread into the environment.



Ultima-TIG

Wet grinder for tungsten electrodes up to Ø4.0 mm for TIG welding.



Ultima-TIG-S

Patented wet grinder for tungsten electrodes up to Ø8.0 mm for TIG welding.



Ultima-TIG-Cut

For precision grinding and cutting of tungsten electrodes for TIG welding.



AutoGrind Digital

Automatically grind your tungsten electrodes. Designed for Ultima-TIG and Ultima-TIG-Cut.



Truncator

Precise truncating of ground tungsten electrode tips. Separate module designed for Ultima-TIG, Ultima-TIG-S and Ultima-TIG-Cut.



Neutrix

Portable grinding machine for tungsten electrodes.

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The logo for Inelco Grinders features a stylized white 'i' with a curved top, followed by the word 'nelco' in a lowercase, sans-serif font. Below this, the word 'grinders' is written in a larger, bold, lowercase, sans-serif font.

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