PRODUCT
CATALOGUE

10 2026



TTW-**910** TTW-**700** TTW-**610** TTP-**500**

TracyTec® products are designed by toolmakers whilst having toolmakers in mind.

With our many years of experience and expertise as toolmakers and a growing range of innovative accessories, a TracyTec product is not just a great product, but a total solution that includes expert service and guidance.

TracyTec®

Smart solutions for welding and polishing of moulds

www.tracytec.com

TracyTec®

The Toolmaker's Choice

About TracyTec

TracyTec® is developed and marketed by Indsatsen ApS, specialising in products for welding and polishing in the mould and die industries and related sectors.

Our vision is to develop reliable products that meet the needs of technical users and help them achieve the perfect result every time.

Our goal is to ensure that customers can get the most out of our machines from day one.



Jes Willumsen
Founder and owner

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What is MICRO TIG?

TIG stands for "Tungsten Inert Gas" and refers to a wide range of machines designed for various purposes.

MICRO TIG, in addition to being used in the mold industry, is't also used in branches like jeweler, dental and gun repair work.

The “spark” created between the tungsten electrode and the workpiece is shielded by the argon gas. This spark absorbs and deposits material from the welding wire onto the mould surface.

You never "melt the wire." Instead, wherever the spark goes, material from the wire is deposited.



TTW-910

& Accessories in the Suitcase

Forget what you know about TIG welding!

Combined with your skills, the TTW-910 will take mould repairs to a level that you only have dreamed of.

The technology in the TTW-910 is optimized and developed with mould repair in mind. The spark created from this machine generates very little heat, which disturbs the steel composition significantly less than other TIG machines. The TTW-910 differs from other TIG machines by not creating a deep layer of heat-affected steel, which otherwise causes sink marks and burns on surrounding details in the mould.

Many TIG welders' first question is, "How many amps?" The truth is, we don't know exactly. The spark isn't created the same way as with a regular TIG machine, so it can't be measured.

Repairs with the TTW-910 can be done using wires ranging from Ø0.1 to 2.5 mm. The TTW-910 minimizes thermal impact on the steel, and its precise impact makes it superior to other known welding methods for mould surface repair work, including mirror polishing and delicate repairs in areas like stripper corners and lifters.



TTW-910 Micro TIG Repair Welder

A unique micro TIG welding machine which by its precise arch weld produces very limited heat. This makes it perfect for mould repair. It can repair all kinds of metal, incl. iron, steel, aluminum etc.

Item no. 9911100



Power Cord

EU plug [07] or UK plug [38].
Included with the machine.

Item no. 89100-07/38



Standard Welding Torch

Including both a flexible head and a stiff head. This torch is prefered when welding bigger jobs.
Included with the machine.

Item no. 8910003



Precision Welding Torch

The soft silicone hose makes the handling of the welding torch like writing with a pen. Delivered with clamps for both Ø 1.0 and Ø 1.6 mm tungsten electrodes. Included with the machine.

Item no. 8910103



Resistance Welder

Welding handle for fasten filler resistance welder build in the TTW-910.
Included with the machine.

Item no. 8910009

Ground Cable

Ground cable for TTW-910. Delivered with copper plate to attach where needed.
Included with the machine.

Item no. 8910005



Foot Switch

Foot switch for actvating the welding machine. Used for both the TTW-910 and TTW-610.
Included with the machine.
0.5 mtr extension cable can be ordered (8910045)

Item no. 8910106



Magnet Foot Goggle Protection

Durable google protection. Convenient for welding in an injection machine. The 6 LED lights provide excellent visibility for welding. Delivered with a cable for connecting the shutter to the welding machine.

Magnifiing lenses can be installed (8910057).

Item no. 8910110



Argon Hose

Ø8mm argon hose. Included with the machine.

Item no. 8910029





Tungsten Electrodes

6× TIG tungsten electrodes. 5 pcs. of Ø 1.6 mm and 1 pcs. Ø 2.4. Included with the machine.
Pipe of 6× Ø 1.6 mm [001]
Pipe of 6× Ø 2.4 mm [101]

Item no. 8910-001/101



Ceramic Nozzles

2× short nozzle [13] and 1× long nozzle [14]
Included with the machine.

Item no. 89100-13/14



Copper Electrodes

10× electrodes for resistance welder.
Included with the machine.

Item no. 9010027



Fuses

4× fuse, 8 amp, 250 V, Ø 5 × 20 mm.
Included with the machine.

Item no. 8910023



Collets

Collet for tungsten electrode.
Ø 1.6 [25] and Ø 2.4 mm tungsten [26]
Included with the machine.

Item no. 89100-25/26

Back Caps

Screw for torch: Short [15], long [20]
Included with the machine.

Item no. 89100-15/20



Argon Hose

Argon transition piece, Ø10 × 120 mm.
Included with the machine.

Item no. 8910022



Pipe Fitting

Transition for argon pipe diameter change,
Ø8-10 mm. Included with the machine.

Item no. 8910021



Suitcase

The TTW-910 is delivered in a trolley box with wheels.
For welding machines TTW-700 and TTW-910.

Item no. 8910027



Additional **Accessories**



Microscope

The build in shutter with 18 LED lights makes even the smallest welding job easy. Especially for welding using very thin fillers. With a focus distance of 17 cm, there are plenty of space for working. The microscope has a long stable arm and a table mounting bracket.

Item no. 8910016



Magnetic Foot

The magnetic foot for microscope is convenient when welding in big mould plates.

Item no. 8910019



Magnetic Ground Clamp

Ensures quick and effortless work. Place on a worktop, turn on and weld.

Item no. 8910036

Mushroom Switch

Magnetic mount when needed. Used where the foot switch is not easy to use. The mushroom switch can be activated using your knee or elbow.

Item no. 8910206



Welding Wire Holder

Unique tool for welding and tiny diameter welding fillers. Perfect for precise position and welding result.

Item no. 8910051



Extension Cable

0.5 mtr extension cable for Foot Switch (8910106).

Item no. 8910045



Reducing Valve

AGA Prosaver reduction valve provides a precise steady argon flow at any time. It saves a significant amounts of argon. *(Only sold in Denmark due to different thread standards in other countries.)*

Item no. 8910052



Argon Saver Valve

This valve is installed after the reduction valve and compensates for unwanted overpressure caused by many reduction valves. It is supplied with a flow measurement unit to be placed in front of the torch.

Item no. 8910056





Head Goggle Protection

Durable head goggle protection. The 6 LED lights provide excellent visibility for welding. Delivered with a cable for connecting the shutter to the welding machine. Magnifying lenses can be installed (8910057).

Item no. 8910132



Magnifier Lens Set

Made of scratch-resistant glass, while the durable plastic and smooth click-in function make mounting quick and effortless. Each lens is professionally measured to ensure optimal focus.

Lenses for Head Goggle Protection (8910132) and Magnetic Foot Goggle Protection (8910110)

No. 3 magnifies 1.75×
No. 5 magnifies 2.5×
No. 7 magnifies 2.75×
No. 10 magnifies 3.5×

Item no. 8910057



Magnifier Lens No. 3

Lense for Head Goggle Protection (8910132) and Magnetic Foot Goggle Protection (8910110)

Magnifies 1.75×

Item no. 8910058



Magnifier Lens No. 5

Lense for Head Goggle Protection (8910132) and Magnetic Foot Goggle Protection (8910110)

Magnifies 2.5×

Item no. 8910059

Magnifier Lens No. 7

Lense for Head Goggle Protection (8910132)
and Magnetic Foot Goggle Protection (8910110)

Magnifies 2.75×

Item no. 8910060



Magnifier Lens No. 10

Lense for Head Goggle Protection (8910132)
and Magnetic Foot Goggle Protection (8910110)

Magnifies 3.5×

Item no. 8910061



Trolley

Specifically designed for the TTW-910/900, built from durable steel plates to ensure a solid and stable solution.

Enables quick relocation and can even be laid down in a van during transport without the risk of the machine or cylinder falling off.

The shelves provide ample storage for wire and accessories – keeping everything in one place.

Item no. 8910081



TracyTec Trolley

Built for Mobility.
Designed for Stability.

Everything has its place – including the TTW-910, argon gas cylinder, TG-10 Tungsten Grinder, protection mask, and all necessary cables and accessories.





TTW-910
VERSATILE



TTW-700

& Accessories in the Suitcase

Simple and effective!

The TTW-700 is a resistance welding machine. Resistance welding is a fusion welding process that requires both heat and pressure to create a strong joint.

The TTW-700 is used to weld sheets and wires to the workpiece using electronically controlled pressure and heat. It can join sheets up to 0.5 mm thick to the workpiece, and for thicknesses up to 0.2 mm, the weld becomes a solid part of the workpiece without porosity.

The machine provides high-quality repairs that can last for the mould's lifetime, and it does so simply, quickly, and easily. For instance, if a flash occurs due to a leak in the mould splitline, you can weld a metal sheet onto the affected area to repair the leak efficiently. The welded sheets integrate seamlessly with the workpiece or insert and can be machined using standard techniques.

When easy welding matters, the TTW-700 stands out as a user-friendly option requiring minimal skill. Its quality performance and competitive price make it an excellent choice for various welding tasks.



TTW-700 Micro Resistance Welder

Can weld many types of ferrous sheet metal. Easy way to repair pressure marks in the split line of moulds. The welding quality is very durable. Use metal sheet up to 0.2 mm, but tack sheet up to 0.5.

Item no. 9922000



Power Cord

EU plug [07] or UK plug [38].
Included with the machine.

Item no. 89100-07/38



Ground Cable

2× grounding cables with magnets made of copper. Connect to the front of the machine and attach the grounding plate to the welding job.
Included with the machine.

Item no. 8920009



Welding Cable

Welding handle for welding electrode. Positive electrode with welding head connecting line.
Included with the machine.

Item no. 8920010



Welding Cable

Welding handle for welding electrode. Can be sunk into water to cool down the handle.
Included with the machine.

Item no. 8920012

Resistance Welder

Precision handpiece for smaller precision work.
Included with the machine.

Item no. 8910009



Foot Switch

Foot switch. Included with the machine.

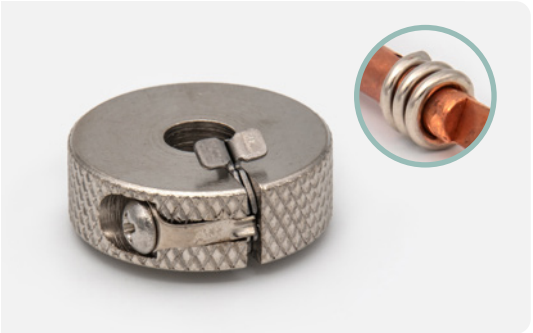
Item no. 8920008



Release Tool

For releasing spring on welding electrode.
Included with the machine.

Item no. 8920017



Blade Welding Electrode Tip 1.0

Welding electrode with 1.0 mm blade.
For inside corners and edges.
Included with the machine.

Item no. 8920003



Blade Welding Electrode Tip 1.5

Welding electrode with 1.5 mm blade.
For inside corners and edges.
Included with the machine.

Item no. 8920002





Copper Welding Electrode Tip Ø2.5

Ø2.5-5.0 mm. Included with the machine.

Item no. 8920001



Copper Welding Electrode Ø5.0

Ø5.0 mm. Included with the machine.

Item no. 8920004



Welding Electrode Blades

Replacement tips.
1.0 × 5 x 40 mm [15], 1.5 × 5 x 40 mm [16]
Included with the machine.

Item no. 89200-15/16



Copper Welding Electrodes

2× Ø2.5-40 mm [14], 2× Ø2.5-70 mm [13]
Included with the machine.

Item no. 89200-13/14



Fuses

4× fuse, 8 amp, 250 V, Ø5 × 20 mm.
Included with the machine.

Item no. 8910023

Orange Filler Cartridges

15× with thicknes: 0.05, 0.07, 0.10, 0.15, 0.20 mm.
5× 20 HRC, 5× 30 HRC and 5× 50 HRC.
Included with the machine.
Can be ordered individually.

Item no. 8920018



Scissor

For cutting foil. Included with the machine.

Item no. 8920006



Plastic Protecting Discs

For protecting the end of the welding handle and proctecting against unintentionally touching other places in the mould.
Included with the machine.

Item no. 8920019



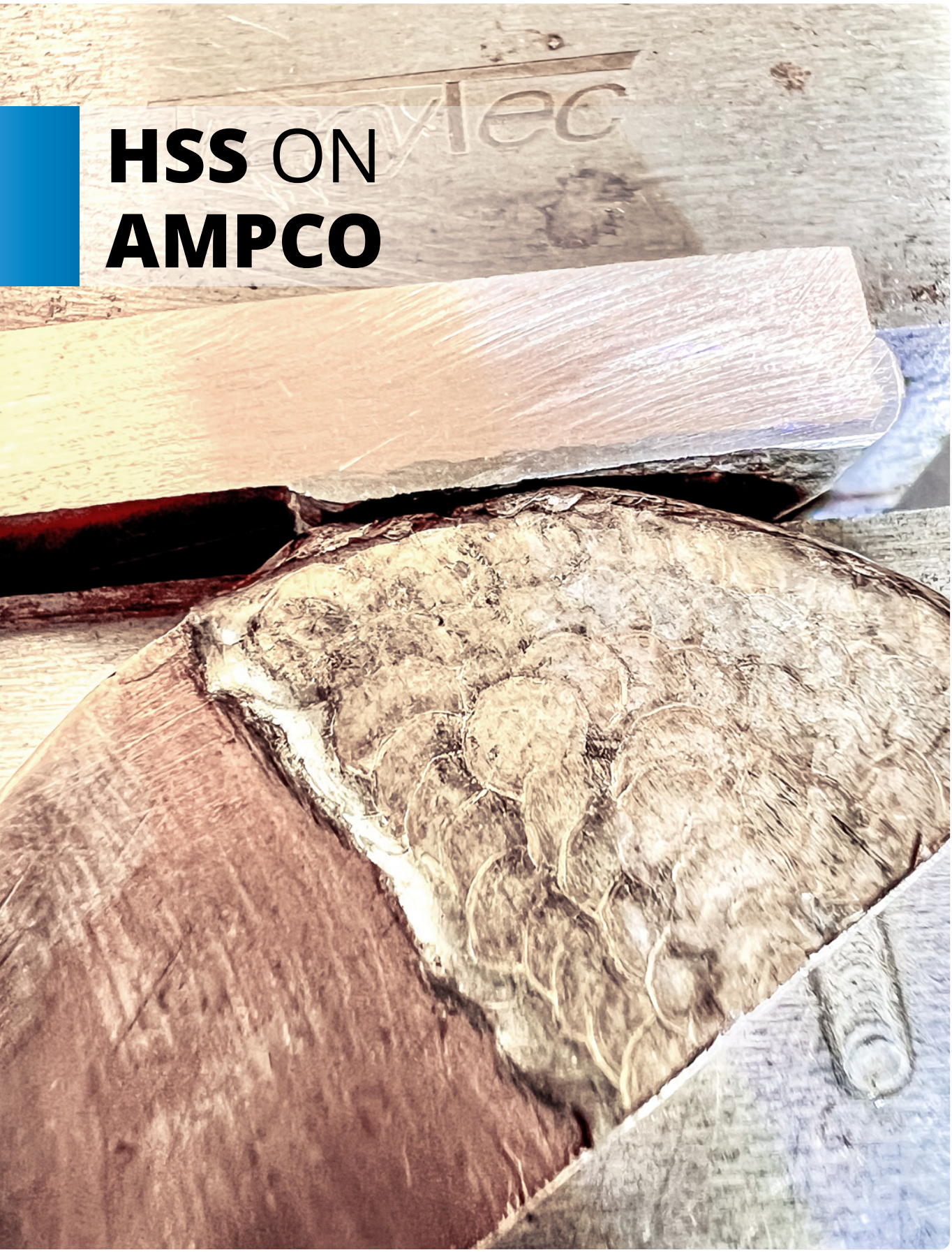
Suitcase

The TTW-700 is delivered in a trolley box with wheels.
For welding machines TTW-700 and TTW-910.

Item no. 8910027



HSS ON AMPCO





TTW-610

& Accessories in the Suitcase

A Game Changer!

The TTW-610 is a revolutionary deposit welding machine that combines ultrasonic vibrations and reverse EDM technology to deliver unmatched versatility and precision. This multifunctional tool excels in various welding and repair tasks:

Deposit Welding

Capable of welding steel, aluminum, copper, and more, the TTW-610 can deposit material even in the deepest ribs where other machines fall short, layering material with precision.

Ultrasonic Polishing

With just a quick change of abrasives in the handpiece used for deposition, it performs ultrasonic polishing efficiently.

EDM Functionality

By adding liquid or water to the workplace, the TTW-610 can perform EDM processes to refurbish the welded area, leaving a smooth EDM surface.

Surface Repairs

It can carry out EDM surface repairs and apply tungsten coatings of significant thickness.

Versatile Applications

This machine is ideal for toolmakers, enabling incredible repairs and quick removal of flashes in plastic production with ease.



TTW-610 Micro TIG Deposit Welder

Using amp, volt, ultrasonic or low-frequency vibrations, the TTW- 610 can do amazing repairs. After welding it can refurbish using EDM, EDM-etching and is also a powerful ultrasonic polisher.

Item no. 9930000



Power Cable

EU plug [07] or UK plug [38].
Included with the machine.

Item no. 89100-07/38



Ground Cable

Ground cable with clamp.
Included with the machine.

Item no. 8930030



Tool Handle

Welding, EDM and polishing handle.
Included with the machine.

Item no. 8930031



Foot Switch

Foot switch for starting the welding function.
Included with the machine.

0.5 mtr extension cable can be ordered (8910045)

Item no. 8910106

Welding Material Holder

Ø0.5, Ø1.5, Ø2.0 mm. Included with the machine.

Item no. 8930033



Welding Material Holder

3× Ø2.0 mm. Included with the machine.

Item no. 8930034



Welding Material Holder

Included with the machine.

Item no. 8930035



Screws

10× M4 screws for material holders.
Included with the machine.

Item no. 8930042



Fuses

4× fuse, 8 amp, 250 V, Ø5 × 20 mm.
Included with the machine.

Item no. 8910023





Wrenches

7 mm, for welding material holder. [34]
13 mm, for holder to the hand piece. [41]
Included with the machine.

Item no. 89300-34/41



Suitcase

The TTW-610 is delivered in a suitcase.

Item no. 8930010

Additional **Accessories**



Extension Cable

0.5 mtr extension cable for foot switch (8910106).

Item no. 8910045



TTP-500

& Accessories in the Suitcase

The Ultimate Surface Finisher Machine!

The TTP-500 is a multifunctional ultrasonic unit. "Ultrasonic" means it creates vibrations in the range of 20,000 hertz. The TTP-500 has 4 distinct functions:

Ultrasonic Polishing

The polishing power of the TTP-500 is exceptional. It operates at a level where you can actually see the chips being removed from the polishing surface.

EDM Functionality

This function, rarely offered as a handheld option, is used for various purposes. It can flatten rough surfaces faster than an abrasive stone. At its lowest power setting, it can achieve a surface roughness (Ra) of 0.2. Additionally, it can be used to open gates, create undercuts, perform markings, and much more.

Textured Surface Repair

With 99 levels of power, the TTP-500 can precisely match and repair textured surfaces.

Reverse EDM

In this mode, the electrode material doesn't remove material from the workpiece but instead deposits electrode material onto the workpiece or insert. It is commonly used to coat tungsten onto mould surfaces.



TTP-500 Mould Finisher

4 functions, each of which makes this machine a needed tool for toolmakers. 2 delivery options:
1: Quality case and all accessories [00]
2: Carton box and tool box (8810001) [01]

Item no. 98100-00 / 01



Power Cable

EU plug [07] or UK plug [38].
Included with the machine.

Item no. 89100-07/38 | In tool box (8810001)



Ground Cable

With magnet. Included with the machine.

Item no. 8810006 | In tool box (8810001)



Hand Piece Cable

Long. Included with the machine.

Item no. 8810004 | In tool box (8810001)



Hand Piece Cable

Short. Included with the machine.

Item no. 89100-07/38 | In tool box (8810001)

Hand Piece

Ultrasonic hand piece. Included with the machine.

In tool box (8810001) | Item no. 8810002



Hand Piece

For diamond file etc. Included with the machine.

Item no. 8810029



Tool

For brass rod. Included with the machine.

In tool box (8810001) | Item no. 8810007



Tool

For spring steel. Included with the machine.

In tool box (8810001) | Item no. 8810008



Tool

For abrasive stick. Included with the machine.

In tool box (8810001) | Item no. 8810009





Tool

For wood stick. Included with the machine.

Item no. 8810010 | In tool box (8810001)



Tool

For diamond file. Included with the machine.

Item no. 8810031 | In tool box (8810001)



Tool

For tungsten stick. Included with the machine.

Item no. 8810032 | In tool box (8810001)



Screws

Screws for holder tools.
Included with the machine.

Item no. 8810011 | In tool box (8810001)



File Set

Diamond file set. Flexible on spring steel.
Included with the machine. (Option 1)

Item no. 8810028

Abrasive Fibersticks

Diamond fibersticks:
#220, #300, #400, #600, #800, #1000.
Included with the machine. (Option 1)

Item no. 8810030



Brass Pins

15× pins for EDM, Ø3 × 65 mm.
Included with the machine. (Option 1)

Item no. 8810014



Wood

Soft wood for diamond plast polishing. [15]
Hard wood for diamond plaste polishing. [16]
Included with the machine. (Option 1)

Item no. 88100-15/16



Plastic

For diamond polishing, with glue.
Included with the machine. (Option 1)

Item no. 8810019



Abrasive Papers

10× #240 [20], 10× #400 [21], 10× #1000 [22]
Included with the machine. (Option 1)

Item no. 88100-20/21/22





Metal Stick

For abrasive paper and plastic.
Included with the machine. (Option 1)

Item no. 8810023



Diamond Paste

1.0 micron. Included with the machine. (Option 1)

Item no. 8810024



Diamond Paste

4.5 micron. Included with the machine. (Option 1)

Item no. 8810025



Diamond Paste

9.0 micron. Included with the machine. (Option 1)

Item no. 8810026



Diamond Paste

15.0 micron. Included with the machine. (Option 1)

Item no. 8810027

Tools

10-12" wrench [13]
Allen key [12]
Included with the machine.

In tool box (8810001) | Item no. 88100-12/13



Gloves

Comfort Grip Gloves, size XL.
Included with the machine. (Option 1)

Item no. 8810017



Safety Glasses

Protective goggles. Clear polycarbonate lens. Anti-scratch & anti-fog. Soft nose bridge for added comfort. Included with the machine. (Option 1)

Item no. 8810018



Suitcase

The TTP-500 is delivered in a trolley suitcase.

Item no. 8810000





TTP-500
ULTRASONIC



GENERAL **ACCESSORIES**

Work smarter!

Every TracyTec machine comes with a large range of accessories designed to boost your productivity and enhance the quality of your work. Each accessory is selected to ensure you have everything needed to get started with your TracyTec machine.

In addition to the standard accessories, TracyTec offers a wide variety of innovative and practical tools to further support your work. Our selection includes microscopes, magnetic clamps, goggle screen protection, optics, and much more – essential tools for every toolmaker.

All accessories are crafted from durable materials, with some exclusively developed by TracyTec and available only through us.

TG-10 Tungsten Grinder
with particle collector



This new battery driven tungsten grinder from TracyTec does not only prevent particles from getting in the air but also collects the particles for possible recycling.





Easy to adjust the house for changing grinding angle.

TG-10 Tungsten Grinder

For grinding tungsten pins while collecting the tungsten particles. Incl. battery, charger and extra bottle with lid.

Item no. 8910047



Optivisor Magnifier, DA

The padded headband is lightweight and fully adjustable. Can be worn with spectacles.
DA-5, 2.5×

Item no. 8910033



Optivisor Magnifier, LX

The padded headband is lightweight and fully adjustable. Can be worn with spectacles.
DA-5, 2.5×

Item no. 8910040



Replacement Lens

Lens plate for optivisor magnifier (8910033).
Available magnifications: 1.5×, 1.75×, 2×, 2.5×, 2.75×, 3.5×. Standard for the optivisor magnifier is 2.5× .
Inform about the wanted magnification.

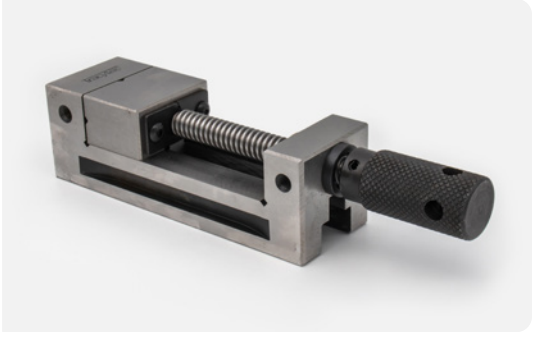
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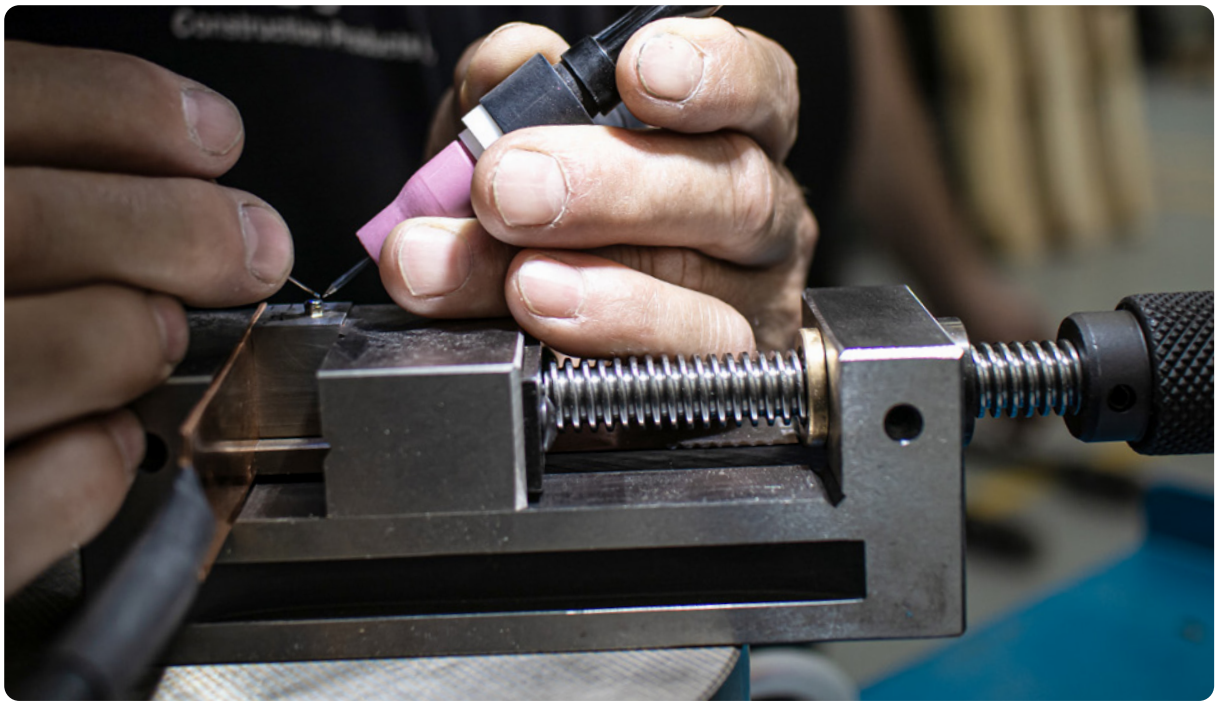


Vise

Solid steel construction with hardened and ground V-grooves for high precision work.

Item no. 8910044







Magnetic Table & Vise

The magnetic table is mounted on a ball joint which enables a perfect positioning of the work piece ensuring the right and comfortable position.

Item no. 8910017



LED Lamp

LED working lamp with a powerful magnetic foot. The lamp's flexible arm is 53 cm long. It has a 4.5W light with a color temperature of 5000K. The lamp is rated IP65 for protection.

Item no. 8910018

Power Cord

UK plug.



Item no. 8910038

Stool

The stool base is made from aluminum with adjustable height, and the illustrated footring is optional. The fabric is a wear-resistant, durable canvas featuring the TracyTec logo.

Available with four different gas cylinders for adjustable height.

Height from floor to seat:
40-48 cm [62], w/o. footring [66]
44-57 cm [63], w/o. footring [67]
56-69 cm [64], w/o. footring [68]
63-87 cm [65], w/o. footring [69]



Item no. 89100-(62-69)

Chair with Backrest

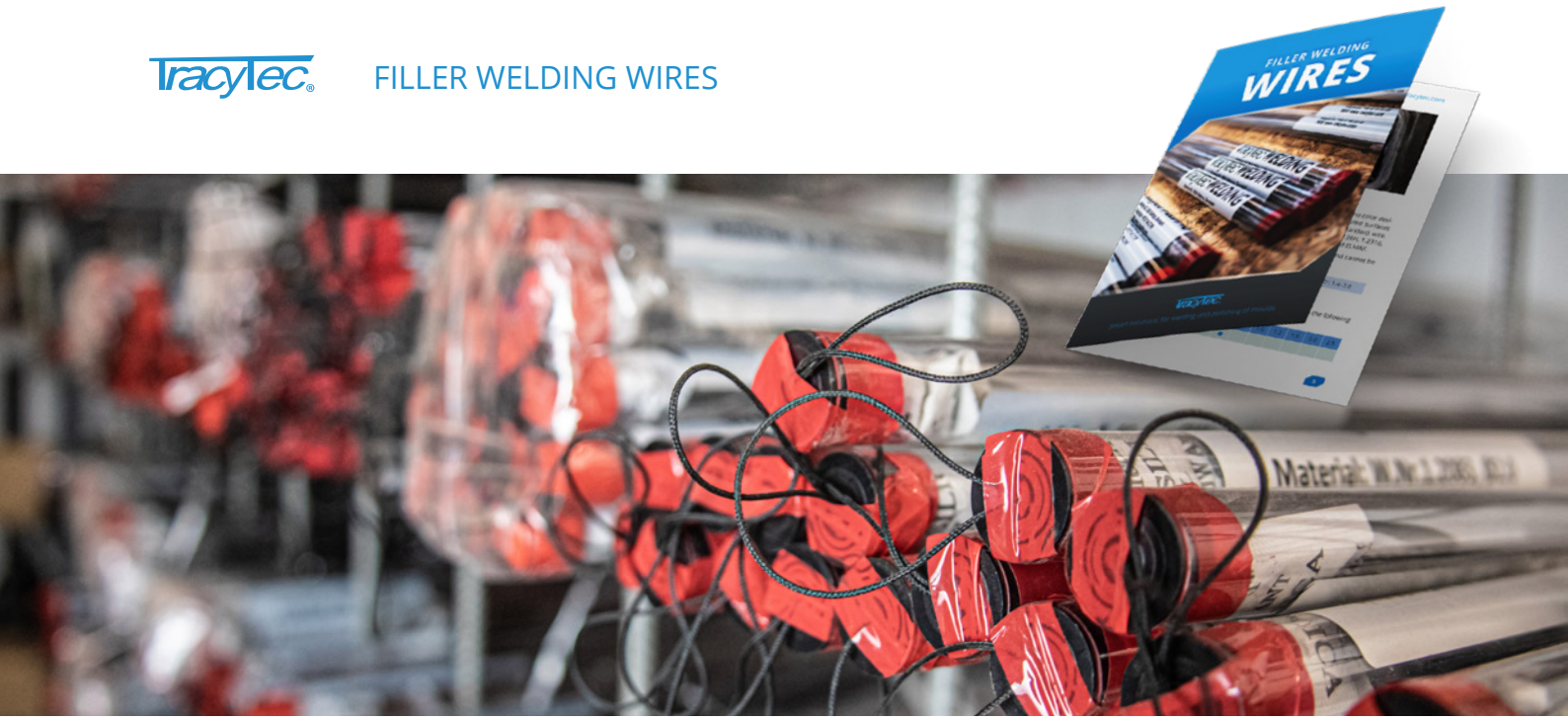
The chair base is made from aluminum with adjustable height, and the illustrated footring is optional. The fabric is a wear-resistant, durable canvas featuring the TracyTec logo.

Available with four different gas cylinders for adjustable height.

Height from floor to seat:
40-48 cm [70], w/o. footring [74]
44-57 cm [71], w/o. footring [75]
56-69 cm [72], w/o. footring [76]
63-87 cm [73], w/o. footring [77]



Item no. 89100-(70-77)



Filler welding wires have different characteristics that should be considered before iniciating a welding task.

The wires are identified by the type of steel type they are suitable for, but it is possible to achieve other properties by using a different wire. E.g. a hard 1.3343 wire can prevent tearing when the steel meet on 1.2311, 2312 or 2738.

Our filler wire is suitable for welding with most welding methods such as TIG, MICRO TIG and LASER.

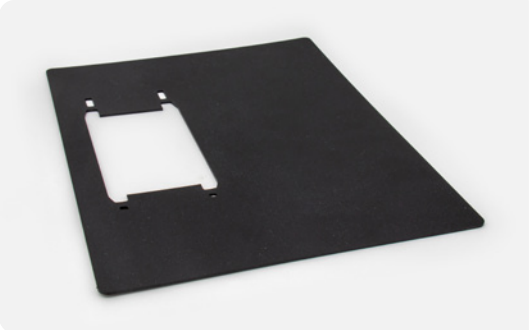
For more information, see our Filler Welding Wires brochure or visit www.tracytec.com.

Stock Overview

	1.2083	1.2343	1.2344	1.2379	1.2738	1.3343	420	959	9210	CU/AL	308	4043	4047	5356
							Surface				SS	Aluminum		
Ø 0.2 mm	●	●	●	●	●		●	●	●	●	●			
Ø 0.3 mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ø 0.4 mm	●	●	●	●	●	●				●	●	●	●	●
Ø 0.5 mm	●	●	●	●	●	●				●	●	●	●	●
Ø 0.6 mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ø 0.8 mm	●	●	●	●	●	●					●			
Ø 1.0 mm	●	●	●	●	●	●				●	●			
Ø 1.2 mm	●	●	●	●	●	●				●	●			
Ø 1.6 mm	●	●	●	●	●	●				●	●	●		
Ø 2.0 mm	●	●	●	●	●						●			
Ø 2.5 mm						●								



SPARE PARTS



Protection Plate

Plastic protection plate for shutter.

Item no. 8910043



Shutter

Shutter with 18 LED lights for microscope.

Item no. 8910030



Cable

For shutter/microscope.

Item no. 8910037



Glass

Replacement glass for shutter on microscope.

Item no. 8910049



Eye Guards

For microscope.

Item no. 8910050

Replacement Plastic

Replacement plastic for screen.

Item no. 8910035



Comfort Band

Band made of leather. Replacement for:
Optivisor magnifier, DA (8910033) and
Optivisor magnifier, LX (8910040).

Item no. 8910041



Ceramic Nozzle

Ceramic nozzle with cutout.

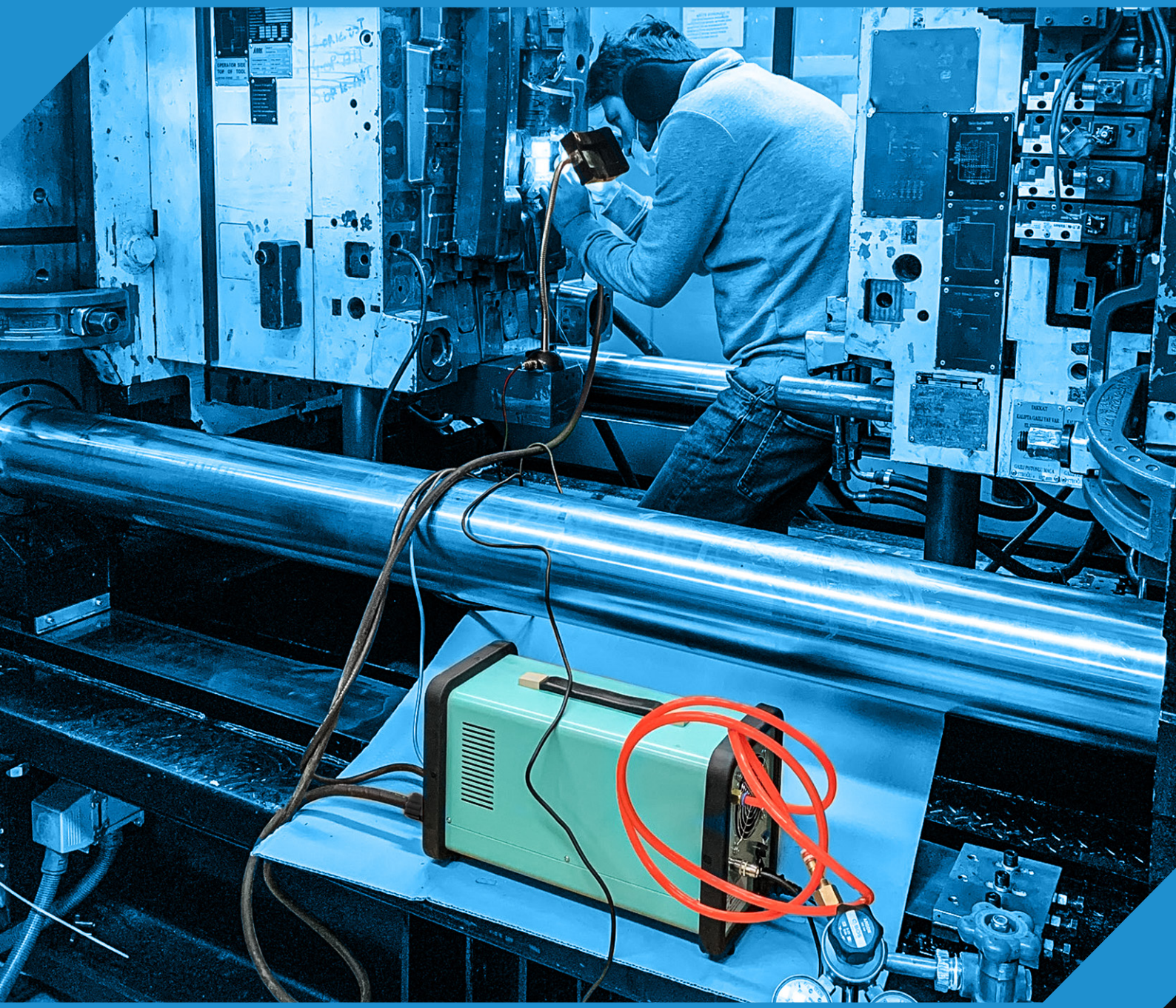
Item no. 8910053





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