MUNSCH

FUTURE TECHNOLOGIE

SINCE 1972

EXTRUSION WELDING
AND HOT WEDGE WELDING

PRODUCT RANGE

THE FUTURE OF PLASTIC WELDING BEGAN IN 1972

MUNSCH is the inventor of the hand-held plastic welding extruder

When our company founder Erich Munsch invented the first hand-held welding extruder for plastics in 1972 and brought it out on the market a year later, no one knew if his innovative device would be a success. But soon, it was clear the new tool was getting a great reception and sales figures went up. We now sell our extrusion welders, hot-wedge welders and accessories successfully all around the world.

In brief:

- MUNSCH invented the hand-held plastic welding extruder
- We've been constantly developing our extruders for 50 years
- We provide expert advice on all welding tasks
- We provide our customers with consistently high-quality products and service

THE WORLDS FIRST HAND-HELD PLASTIC WELDING EXTRUDER

___D: Wir haben 1972 den Handschweißextruder für Kunststoffe erfunden. Heute vertreiben wir weltweit Extrusionsschweißgeräte, Heizkeil-Schweißgeräte und Zubehör und bieten gleichbleibend hohe Produkt- und Servicequalität.

___ES: En 1972, inventamos la extrusora manual para soldadura de plástico. Hoy en día, vendemos soldadoras de extrusión, soldadoras de cuña caliente y accesorios en todo el mundo, ofreciendo productos y servicios de alta calidad.

NONE OF YOUR PROJECTS ARE TOO BIG

Technology for each of your applications

As the global leader in plastic welding technology, our welders give you just the quality you need for your important projects. From private swimming pools to commercial acid-proof containers and water tanks, MUNSCH welders always produce optimum and safe seams for all common types of plastic and material thicknesses.

We are the market leader in the technology for the following products:

- **Extrusion welders:** As light as possible, as robust as necessary. We have been optimising our efficient and ergonomic hand-held welding extruders for 50 years – something you will really appreciate.
- **Hot-wedge welders:** From landfill sites to water reservoirs, our film welders always produce perfectly sealed and permanently stable seams.
- **Accessories:** The right accessories for every application. We are always happy to produce a custom solution for you too.

Our products are used in major projects all around the world:

- Container production
- Landfill construction
- Aquaculture
- Dams
- Swimming pools
- Mining
- Tank production
- Pipeline construction
- Mechanical construction
- Construction plastics
- Building construction
- Tunnelling

___D: Egal ob privater Swimming Pool oder säurefeste Behälter: MUNSCH Schweißgeräte ermöglichen Ihnen optimale und sichere Nähte für alle gängigen Kunststoffarten und Materialstärken im Deponiebau, Tankbau, Anlagenbau, Hochbau, Bergbau etc.

___ES: No importa si se trata de una piscina privada o un contenedor a prueba de ácidos: las máquinas de soldadura de MUNSCH le permiten ejecutar uniones óptimas y seguras para todos los tipos de plástico y espesores de material habituales en la construcción de vertederos, depósitos, plantas, en labores de ingeniería estructural, minería, etc.

OUR NEW DESIGN FOR YOUR NEW PROJECTS

It was time ...

... for someone to rethink the whole concept of the plastic welder. The time to focus on user-friendliness. Time to think about the people who hold the device in their hands hour after hour every day. To think beyond just the melting point.

Time for welding extruders to get lighter, quieter and more practical. Time to be able to put them down securely and use them overhead with ease. And get a perfect seam, with intelligent controls and an unobstructed view. Time to get a display that shows the work you have done.

It was time for the MUNSCH MAX!

MUNSCH MAX – Breakthrough design

- Innovative central M-Drive control (turn & push) and high-resolution display
- Newly Integrated footing design provides stability without the need for additional stand
- Extruder is safe to guide and operate, even upside down
- Bright and uniform illumination of the weld seam with dual-beam LED lighting

MUNSCH MAX - Outstanding functionalities

- Wireless connection via integrated WiFi for bidirectional data exchange with smartphone or PC
- Cable or cable-free process monitoring via app or desktop computer
- Comprehensive analyses recorded on integrated SD card or over WiFi to app or desktop computer
- Quiet and energy-saving standby mode

___D: Unsere neueste Entwicklung, der MUNSCH MAX, bietet folgende Features: Zentrale M-Drive-Steuerung, integrierte Standfüße und LED-Beleuchtung, auch auf dem Kopf stehend sicher zu bedienen, WLAN, Monitoring und Auswertungen, Standby-Modus.

___ES: Nuestro producto más reciente, MUNSCH MAX, ofrece las siguientes características: control centralizado de M-Drive, patas integradas e iluminación LED, funcionamiento seguro incluso boca abajo, WiFi, control y evaluaciones, modo de espera.

THE MUNSCH WELDING SHOES

The perfect shoe for every weld

We make welding shoes to your specifications! Because you need completely different welding shoes, depending on the material to be welded, the material thickness and the weld geometry. After all, the geometry of the weld ultimately comes down to the welding shoe.

___D: Ganz gleich ob V-Naht, X-Naht, Kehlnaht, Ecknaht oder Foliennaht: Mit MUNSCH Schweißextrudern wird jede Naht perfekt! Wir fertigen Schweißschuhe nach Ihren Vorgaben, denn sie sind mitentscheidend für die Qualität der Nähte.

___ES: No importa si se trata de soldaduras en V, soldaduras X, en ángulo, de esquina o de empalme: ¡con las extrusoras para soldadura de MUNSCH cualquier trabajo de soldadura queda perfecto! Fabricamos zapatas de soldadura conforme a sus especificaciones, ya que son uno de los factores decisivos para la calidad de las soldaduras.

V-WELD; X-WELD

We supply welding shoes for a wide range of weld types and material thicknesses.

FILLET WELD

You can even complete tricky welds perfectly with the right welding shoe.

CORNER WELD

For a perfect outside corner weld, get just the right welding shoe from MUNSCH.

FILM WELD

We also supply the perfect welding shoes for your film welds.

EXTRUSION WELDING

	KEY	LEGENDE	LEYENDA
1	Max. welding rate	Max. Schweißleistung	Velocidad máxima de soldadura
2	Welding material	Schweißmaterial	Material a soldar
3	Weld rod diameter	Schweißdrahtdurch-messer	Material de aportación
4	Application range	Einsatzbereich	Espesor
5	Weight	Gewicht	Peso
6	Length	Länge	Longitud
7	Electronic speed control	Elektronische Drehzahlregelung	Control electrónico de velocidad
8	Drive with powerbox	Antrieb mit Powerbox	Accionamiento con Powerbox
9	Cartridge heater	Heizband	Resistencia masa
10	Hot air blower / Air heater	Vorwärmgebläse	Resistencia aire caliente
*	Dependent on kind of granulate	abhängig vom Granulattyp	Dependiendo del tipo de granulado
**	110V or special versions on request	110V oder Sonderaus-führungen auf Anfrage	110V o versiones especiales bajo pedido

THE GMAK-420-D

Ord. No. K05920

1	max. 4,2 kg/h PE*
2	PP / PE / PVDF
3	Granulate
4	6 - 30 mm
5	12,8 kg
6	830 mm
7	✓
8	-
9	650 W
10	2300 W

THE GMAK-620-D

Ord. No. K05921

1	max. 6,5 kg/h PE*
2	PP / PE / PVDF
3	Granulate
4	8 - 40 mm
5	15,8 kg
6	930 mm
7	✓
8	-
9	800 W
10	2300 W

THE GMAK-350-B

Ord. No. K05922

1	max. 4 kg/h*
2	PP / PE / PVDF
3	Granulate
4	6 - 30 mm
5	18,2 kg
6	680 mm
7	✓
8	✓
9	650 W
10	2300 W

THE GMAK-600-B

Ord. No. K05923

1	max. 6,2 kg/h*
2	PP / PE / PVDF
3	Granulate
4	10 - 40 mm
5	14,3 kg
6	780 mm
7	✓
8	✓
9	800 W
10	2300 W

THE MAK-18-S**

Ord. No. K04672A

1	1,8 kg/h, Ø 4 mm / 1,1 kg/h, Ø 3 mm
2	PP / PE / PVDF
3	Ø 3 / 4 mm
4	4 - 15 mm
5	4,8 kg
6	455 mm
7	✓
8	-
9	-
10	2300 W

THE MUNSCH MINI**

Ord. No. K07400

1	0,6 kg/h, Ø 3 mm
2	PP / PE / PVDF / PVC / PVC-C / Nylon / Polyurethane, ABS / PFA ...
3	Ø 3 mm
4	2 - 10 mm
5	3,4 kg
6	450 mm
7	✓
8	-
9	875 W
10	2300 W

THE MAX 18**

Ord. No. K07785

1	2,2 kg/h, Ø 4 mm / 1,4 kg/h, Ø 3 mm
2	PP / PE / PVDF
3	Ø 3 / 4 mm
4	4 - 20 mm
5	5,3 kg
6	640 mm
7	✓
8	-
9	400 W
10	2300 W

THE MAX 25

Ord. No. K07786

1	2,5 kg/h, Ø 4 mm / 1,5 kg/h, Ø 3 mm
2	PP / PE / PVDF
3	Ø 3 / 4 mm
4	4 - 20 mm
5	5,8 kg
6	640 mm
7	✓
8	✓
9	400 W
10	2300 W

THE MAK-32-S

Ord. No. K05207A

1	3,2 kg/h, Ø 4 mm / 1,8 kg/h, Ø 3 mm
2	PP / PE / PVDF
3	Ø 3 / 4 mm
4	8 - 30 mm
5	6,8 kg
6	600 mm
7	✓
8	-
9	-
10	2300 W

THE MAX 32**

Ord. No. K07787

1	3,2 kg/h, Ø 4 mm / 1,8 kg/h, Ø 3 mm
2	PP / PE / PVDF
3	Ø 3 / 4 mm
4	8 - 30 mm
5	7,4 kg
6	747 mm
7	✓
8	-
9	800 W
10	2300 W

THE MAX 40

Ord. No. K07788

1	3,9 kg/h, Ø 5 mm / 2,5 kg/h, Ø 4 mm
2	PP / PE / PVDF
3	Ø 4 / 5 mm
4	8 - 30 mm
5	7,8 kg
6	747 mm
7	✓
8	✓
9	800 W
10	2300 W

THE MAX 65

Ord. No. K07789

1	6,5 kg/h, Ø 5 mm / 4,0 kg/h, Ø 4 mm
2	PP / PE / PVDF
3	Ø 4 / 5 mm
4	12 - 40 mm
5	8,8 kg
6	847 mm
7	✓
8	✓
9	800 W
10	2300 W

THE MAK-36-D

Ord. No. K04684

1	3,6 kg/h, Ø 5 mm / 2 kg/h, Ø 4 mm
2	PP / PE / PVDF
3	Ø 4 / 5 mm
4	8 - 30 mm
5	10 kg
6	730 mm
7	✓
8	-
9	650 W
10	2300 W

THE MAK-48-D

Ord. No. K05050

1	4,8 kg/h, Ø 5 mm / 3,2 kg/h, Ø 4 mm
2	PP / PE / PVDF
3	Ø 4 / 5 mm
4	10 - 35 mm
5	10 kg
6	730 mm
7	✓
8	-
9	650 W
10	2300 W

THE MAK-58-D

Ord. No. K04692

1	5,8 kg/h, Ø 5 mm / 3,8 kg/h, Ø 4 mm
2	PP / PE / PVDF
3	Ø 4 / 5 mm
4	12 - 40 mm
5	10,2 kg
6	800 mm
7	✓
8	-
9	800 W
10	2300 W

ROBOT EXTRUDER AND **EXTRUDERS WITH EXTERNAL AIRSUPPLY** ARE AVAILABLE ON REQUEST!

HOT WEDGE WELDING

	KEY	LEGENDE	LEYENDA
1	Weight	Gewicht	Peso
2	Travel speed	Schweißgeschwindigkeit	Velocidad de soldadura
3	Voltage	Spannung	Voltaje
4	Power consumption	Leistung	Capacidad
5	Suitable for welding	Zum Verschweißen von	Adecuado para soldadura
6	Material thickness	Materialstärke	Grosor del material
7	Dimension	Abmessungen	Dimensión
*****	Different heating wedges and rollers on request	Unterschiedliche Heizkeile und Rollen auf Anfrage	Diferentes cuñas y rodillos calefactores bajo pedido

THE WEDGE-IT* / THE WEDGE-IT-PLUS*

Ord. No. K02582 / K06814

1	24 kg
2	0 - 6 m/min
3	110 / 220 V ; 50 / 60 Hz
4	1200 / 1600 W
5	PE-HD / PE-LD / Hypalon / XR-5 / PVC / PP ...
6	0,5 - 3 mm
7	266 mm x 280 mm x 406 mm

THE WEDGE-IT-ECO*

Ord. No. K06919

Also available with data recording and GPS.

1	18,5 kg
2	0 - 4,3 m/min
3	230 V ; 50 / 60 Hz
4	2000 W
5	PE-HD / PE-C / PP / PE-LD / PVC-P ...
6	0,5 - 3 mm
7	330 mm x 235 mm x 260 mm

THE WEDGE-IT-MICRO*

Ord. No. K05932

1	7,5 kg
2	0 - 6 m/min
3	110 / 230 V ; 50 / 60 Hz
4	1000 W
5	Geotextile / PE-HD / PP / PVC
6	0,2 - 1,5 mm
7	300 mm x 257 mm x 260 mm

ACCESSORIES

LANDFILL CONSTRUCTION

Transport case / **K05748**

Sheetpuller / **K05229**

Hand-Welding-Set* / **K05809A**

Manometer

K01768

K05695

Vacuum Box / **Different versions on request**

Coupon cutter / **K04875**

Tensile tester / **K06650**

Compact tensile tester

K04811

K03678

Silicon roller + Knife

K01674

K01689

K05549

K01945

* also available in 110 volt version

CONTAINER ENGINEERING

Bend tester / **K05933**

Weld trimmer* / **K01405C**

Hand-Welding-Set* / **K05813A**

Hand-Welding-Set* / **K05939A**

Power box / **K02782D**

Foam padded carrying case / **K07251**

Angular Head 45° / **K04122**

Angular Head 90° / **K04123**

Extension / **K03231**

BOTH FIELDS OF APPLICATION

Welding rod dispenser

K03421

K00965

Digital thermometer / **K01022**

OUR SERVICE

Support

Do you have questions about the right welding solution for your project? Are you looking for support to choose the right welder or the right accessories? Just give us a call!

Maintenance

Even the very best components hit their wear limit at some point. We repair and maintain your device quickly and cost-effectively so you can get back to work in no time. See our website to request repair.

Repair and spare parts

We normally ship your spare parts within 24 hours. For difficult repairs, we also repair on site and bring the parts with us.

___D: Sie haben Fragen oder Probleme, Ihr Gerät benötigt eine Wartung oder Reparatur? Melden Sie sich bei uns! Auch Ersatzteile versenden wir innerhalb von 24 Stunden.

___ES: ¿Tiene alguna pregunta o problema, su dispositivo requiere mantenimiento o reparaciones? ¡Póngase en contacto con nosotros! También enviamos las piezas de recambio en un plazo de 24 horas.

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READY

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Save energy with superior hydraulics and expect the highest quality of non-metallic materials on the market.

Horizontal chemical pumps acc. ISO5199 tailormade to your specification and application.

Vertical pumps make your life a lot easier. Don't care about seals, dry runs or contamination anymore.

You'll get more than just equipment. MUNSCH engineers listen, understand and provide services. That is what makes our pumps solutions.

MUNSCH

All technical data subject to revision.
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