

COLD WELD TECHNOLOGY

Precision-engineered cold welding machines
and dies for wire, strip and profile

ENGLISH

PRESSURE WELDING MACHINES LTD **World leader in cold weld technology**

British company PWM designs, manufactures and supplies high performance cold pressure welding equipment for the world market. Durable, simple to operate and easy to maintain, PWM cold welders join non-ferrous material quickly and economically to create a reliable bond, stronger than the parent material. The PWM range includes hand-held welders, bench and trolley mounted machines, and free-standing rod welders. PWM dies, precision engineered by PWM's own skilled technicians, are made in standard or custom sizes to suit round or profile wires and rods.

New PWM cold welding machines and dies can be purchased only from PWM or PWM's authorised distributors. Similar looking cold pressure welding machines and dies purchased from any other source will be copies and NOT PWM products.

For a list of PWM distributors in your area, please Telephone: **+44 (0) 1233 820847** or Email: **info@pwmltd.co.uk**

FRANÇAIS

PWM: Le leader mondial en technologie de soudage à froid

La société britannique P.W.M. conçoit et fabrique des équipements hautes performances de soudage à froid destinés au monde entier. Fiables, simples à utiliser et à entretenir, les soudeuses à froid PWM soudent rapidement et économiquement les matériaux non-ferreux. Elles permettent de créer un liencparticulièrement solide et fiable, plus résistant que le matériau lui-même! La gamme PWM comprend des soudeuses manuelles ou montées sur support ou chariot ainsi que des soudeuses gros-fil autonomes. Les filières PWM, conçues par des techniciens expérimentés sont fabriquées en dimensions standard ou à la demande pour convenir aux fils ronds ou profilés de toutes dimensions.

Les nouvelles soudeuses à froid et filières PWM peuvent uniquement être commandées chez PWM ou chez nos distributeurs agréés. Toutes autres soudeuses à froid ou filières similaires achetées ailleurs sont forcément des copies et ne sont pas des produits PWM.

Si vous souhaitez connaître la liste des distributeurs PWM dans votre région, veuillez contacter le **+ 44 (0)1233 820847** ou faire votre demande par mail à l'adresse suivante **info@pwmltd.co.uk**

DEUTSCH

PWM: Weltmarktführer für Kaltschweißtechnologie

Das Britische Unternehmen PWM entwirft, fertigt und liefert höchst leistungsstarke Anlagen für den Weltmarkt. Langlebig, einfach in Handhabung und Instandhaltung, verbinden PWM Kaltschweißgeräte nicht-eisenhaltige Materialien schnell und sparsam zu einer starken und verlässlichen Verbindung, die stärker ist als das Ausgangsmaterial. Die PWM Produktpalette beinhaltet Hand-, Werkbank-, und mobile Geräte sowie freistehende Stangen-Schweißgeräte. PWM Schweißbacken werden durch qualifizierte Techniker mit grosser Präzision angefertigt und können mit Standard- oder Sonderabmessungen für Rund- oder Profildrähte und-stangen bestellt werden.

Neue PWM Kaltschweißgeräte und die dazugehörigen Schweißbacken können nur direkt bei PWM oder autorisierten Händlern bezogen werden. Ähnlich aussehende Kaltschweißgeräte und Schweißbacken, die anderswo gekauft wurden, sind Kopien und keine PWM Produkte.

Für eine Liste der PWM Händler rufen Sie bitte folgende Telefonnummer an: **+44 (0) 1233 820847** - E-Mail: **info@pwmltd.co.uk**

ESPAÑOL

PWM: Líder mundial en tecnología de soldadura en frío

La compañía británica PWM diseña, fabrica y suministra a fábricas de todo el mundo equipos de alto rendimiento de soldadura a presión en frío. Resistente y operación y mantenimiento fácil, soldadoras en frío de PWM unen material no ferroso rápido y económico, para la creación de una fuerte y fiable boda entre los hilos. La gama de PWM incluye soldadoras montadas sobre mano, banca o carreta y además soldadoras de apoyo libre. Las hileras de PWM están diseñado con precisión por nuestros experimentados ingenieros. Están fabricadas en diferentes tamaños y formas para servir de manipular hilos y barros redondos y rectangulares.

Las nuevas máquinas de soldadura a presión en frío de PWM y sus hileras sólo se pueden comprar a PWM o a los distribuidores autorizados de PWM. Las máquinas e hileras de aspecto similar compradas por cualquier otra vía son copias y NO PRODUCTOS PWM. Para una lista de distribuidores de PWM en su zona, por Telephone **+44 (0) 1233 820847** E-Mail: **info@pwmltd.co.uk**

ITALIANO

PWM: Leader mondiale nella tecnologia della saldatura a freddo

La società britannica PWM progetta, costruisce e fornisce saldatrici a pressione a freddo ad elevate prestazioni per il mercato mondiale. Durevoli, semplici da usare e di facile manutenzione, le saldatrici a freddo PWM uniscono materiali non ferrosi in modo rapido ed economico creando un legame forte, affidabile, superiore a quello del materiale originale. La gamma PWM comprende saldatrici manuali, da banco e montate su carrello e saldatrici autonome per vergella. Le filiere di saldatura PWM, realizzate con un lavoro di precisione da parte di tecnici PWM adeguatamente addestrati, vengono fornite in misure standard o su specifica del cliente, adatte per fili tondi o profilati e vergelle.

Saldaatrici a freddo e filiere PWM nuove possono essere acquistate solo da PWM o da distributori autorizzati PWM. Saldaatrici a freddo e filiere di aspetto simile acquistate da qualsiasi altra fonte sono delle copie e NON PRODOTTI PWM.

Per un elenco di distributori PWM nella Vs. area vogliate Contattare il n° tel: **+44 (0) 1233 820847**

E-Mail: **info@pwmltd.co.uk**



РУССКИЙ

PWM: Мировой лидер в области холодной сварки давлением

Британская компания PWM проектирует, производит и поставляет на мировой рынок высококачественное оборудование для холодной сварки давлением. Надежные и простые в обслуживании и эксплуатации аппараты холодной сварки компании PWM позволяют быстро и экономично произвести сварку цветных металлов и получить соединение более прочное и надежное, чем исходный материал. Компания PWM производит маленькие аппараты с ручным управлением, верстаки и тележки, а также отдельно стоящие аппараты для сварки толстой проволоки. Стандартные матрицы PWM для круглой и фасонной проволоки и прутьев изготавливаются индивидуально вручную квалифицированными рабочими.

Новые аппараты холодной сварки и матрицы производства компании PWM могут быть приобретены только у компании PWM или же через официальных представителей компании PWM. Аналогично выглядящие устройства холодной сварки и матрицы, приобретенные в любых других местах, кроме вышеперечисленных, являются копиями и НЕ ОТНОСЯТСЯ к продукции компании PWM.

Информацию о ближайших к Вам представителях Вы можете узнать по телефону: + 44 (0)1233 820 847
адрес: info@pwm ltd.co.uk



PORTUGUÊS

PWM: Líder mundial em tecnologia de soldagem a frio

A empresa britânica PWM projeta, fabrica e fornece equipamento de solda por pressão a frio de alto desempenho para o mercado mundial. Duráveis, simples de operar e fáceis de manter, as máquinas de solda a frio da PWM unem materiais não ferrosos rápida e economicamente para criar uma liga forte e confiável, mais forte do que o material original. A linha da PWM inclui máquinas de solda de mão, máquinas montadas em bancada e em carrinho e máquinas autônomas de soldagem de vergalhões. As matrizes PWM, fabricadas com precisão por técnicos especializados da própria PWM, são produzidas em dimensões padrão ou sob medida para arames e vergalhões redondos e perfilados.

Novas máquinas de solda a frio e matrizes PWM podem ser adquiridas através da PWM ou de seus distribuidores autorizados. Máquinas de solda a frio e matrizes de aparência semelhante de qualquer outra fonte são cópias, NÃO SÃO produtos da PWM. Para obter uma lista de distribuidores da PWM na sua área, envie um E-Mail para info@pwm ltd.co.uk

中文

**PWM 冷焊机械有限公司
世界冷焊技术的领导者**

英国PWM 公司为世界市场设计、制造及提供高性能的冷焊设备。设备经久耐用，操作简便且易于保养。PWM 冷焊设备快速且经济地接续有色金属材料，该连接处比原母材料更牢固可靠，操作简单、维护容易、寿命长。PWM 冷焊设备的产品种类繁多，有手持式、台式、小车装载式和自由站立的脚架式机器。PWM 模具由PWM 公司内部巧手的技术人员精确地设计和制造。除标准模具外，也为个别用户订制模具，适合圆形、异形的线材和杆管。

全新PWM公司冷焊设备及模具只能从PWM 公司或经PWM公司授权的分销商处购买，其它任何供货商所销售的类似冷焊设备及模具皆为仿冒品，绝非PWM公司产品。要取得您所在地区的PWM产品分销商名单，请致电+44(0)1233 820847或电邮 info@pwm ltd.co.uk。

TÜRKÇE

PWM: Soğuk kaynak teknolojisinde dünya lideri

İngiliz ,sirketi PWM dünya pazarına yüksek performanslı soğuk kaynak ekipmanları tasarımı, üretimi ve satışı yapmaktadır. Sağlam, kullanımı basit ve bakımı kolay PWM soğuk kaynak makineleri demirsiz malzemeleri hızlı ve ekonomik ,şekilde birleştirerek ana malzemeden daha güçlü ve güvenilir bir bağolu, sturur. PWM ürün yelpazesi el ile tutulan kaynak makineleri, tezgah üstü ve gezer arabaya monte makineler ile müstakil filma, sin ve çubuk kaynak makineleri içerir. PWM kaynak çeneleri PWM'in kendi kalifiye teknisyenleri tarafından hassas mühendislik ile standart veya özel boyutlarda yuvarlak ya da profil tel ve çubuklara uyacak, şekilde üretilmektedir.

Yeni PWM soğuk kaynak makine ve çeneleri sadece PWM ve PWM yetkili satıcılarından temin edilebilir. Başka kaynaklardan temin edilen benzer görünümlü soğuk kaynak makine ve çeneleri PWM ürünleri değil, TAKLİTTİR. Bulunduğunuz bölgedeki PWM yetkili satıcılarının bir listesi için + 44 (0)1233 820847 numaralı telefondan arayabilir veya info@pwm ltd.co.uk adresine e-posta gönderebilirsiniz.

日本語

プレッシャーウエルディングマシーン社 (PWM社)

冷間圧接技術において世界のリーダー的役割を担っております。

英国企業PWM社は、設計、製造、そして世界の市場に高性能な冷間圧接機を供給しております。冷間圧接機は、丈夫で、操作もシンプルにでき、メンテナンスも容易にできます。

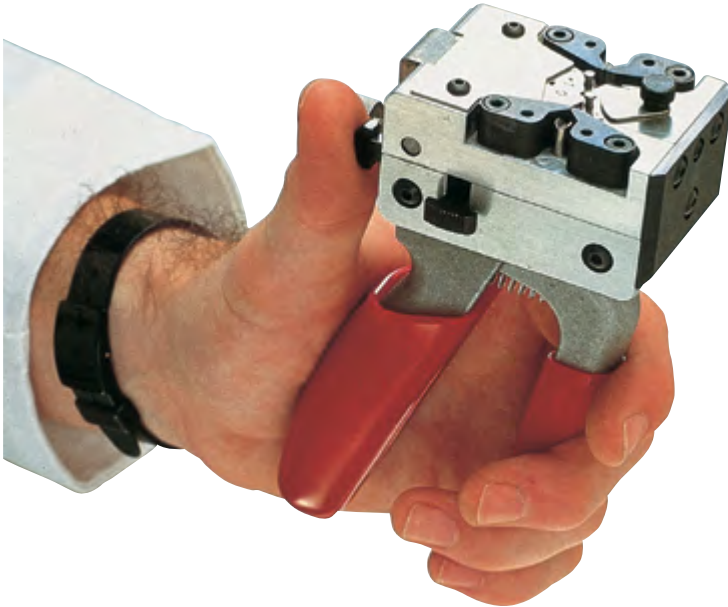
PWM社製冷間圧接機は、頑丈で、使い勝手が良く、メンテナンスが簡単なデザインです。非鉄金属線材を、簡単に接続することができ、その接続部は母線より強くなるため、信頼性の高い接続をすることができます。PWM社が提供する冷間圧接機は、ハンドタイプ、卓上タイプ、台車に乗せるタイプ、台車付のタイプがあります。PWM社製ダイヤは、優れた技能をもつ熟練者が高精度に加工します。標準加工の丸線用ダイヤ、カスタムメイドの異形線用ダイヤがあります。

PWM社製冷間圧接機及びダイヤは、PWM社、またはPWM社公認代理店を通じてのみ、購入することが出来ます。外観的に類似する非公認先から購入された冷間圧接機及びダイヤは、コピー品であり、PWM社製ではございませんので、ご注意をお願い申し上げます。また各エリアでのPWM社公認代理店のリストをご希望な方は、下記PWM社まで問い合わせ下さいませ。

国際電話番号: +44(0)1233 820847
Eメールアドレス info@pwm ltd.co.uk。

FINE WIRE

COLD WELD TECHNOLOGY



M10

TYPE / ТИП / ТИП:

Manual
Manuell
Ручное



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

0.10mm - 0.50mm
(.0039" - .0196")

AWG: 38 - 24

A comprehensive range of precision-engineered manual cold welders designed to produce reliable consistent welds stronger than the parent material on wire 0.10mm to 0.60mm.



LIGHTWEIGHT AND RELIABLE

The M10 is a lightweight, manually operated machine that will permanently weld most non-ferrous metals within the range 0.10 – 0.50mm. Designed to fit comfortably in the hand, the machine is easily operated by a light trigger action. No set up time is required, and the cold weld is completed in seconds.

The M10 uses industry standard dies. The machine is supplied with a storage case, which has space for several dies.

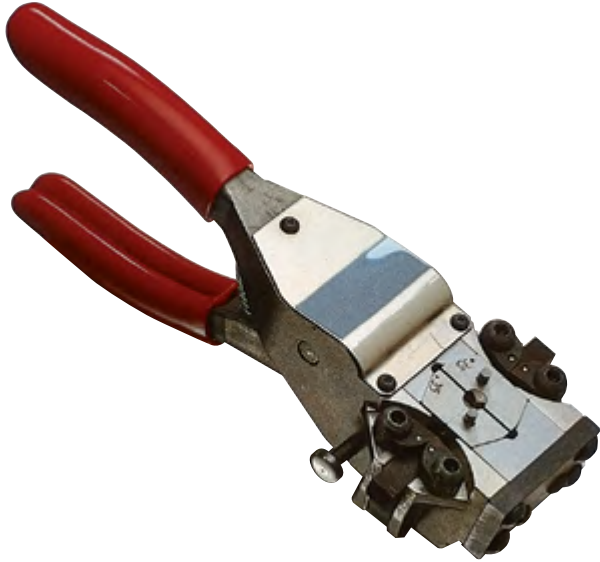


Video demonstrations

www.pressureweldingmachines.co.uk

FINE WIRE

COLD WELD TECHNOLOGY



M25

TYPE / ТУР / ТИП:

Manual
Manuell
Ручное



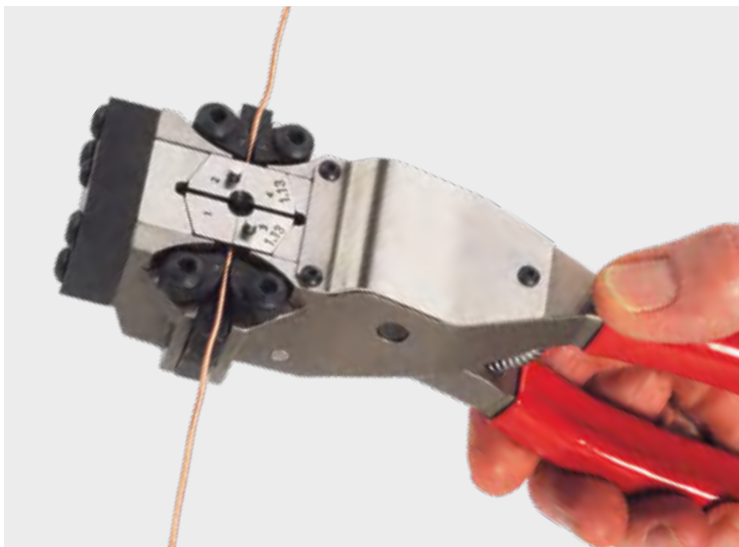
CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

0.25mm - 1.20mm
(.0098" - .047")

AWG: 30 - 17



COMPACT AND DURABLE

The hand-held M25 is a compact, robust machine with the capacity to permanently weld most non-ferrous metals in wire or strip form, within the range 0.25 – 1.20mm. The M25 is easily activated by finger pressure on the operating handle and will complete the weld in seconds.

The M25 uses industry standard dies. The machine is supplied with a storage case, which has space for several dies.



Video demonstrations

www.pressureweldingmachines.co.uk

FINE WIRE

COLD WELD TECHNOLOGY



BM10

TYPE / ТИП / ТИП:

Manual
Manuell
Ручное



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

0.10mm - 0.60mm
(.0039" - .0236")

AWG: 38 - 221/2



Video demonstrations

www.pressureweldingmachines.co.uk



LOW MAINTENANCE AND EASY TO OPERATE

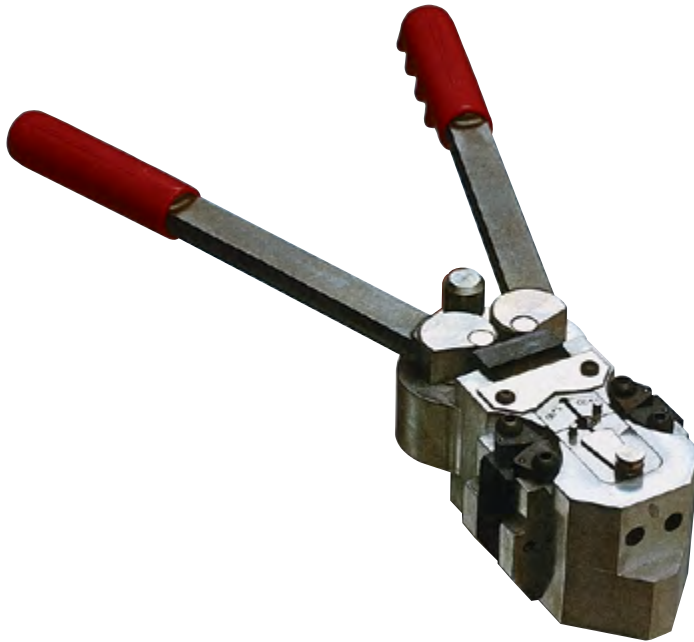
The BM10 is a small, manually operated machine that can be used either on a workbench or on a mobile trolley. (Trolley can be supplied.)

Light hand pressure on the operating lever completes the weld in seconds. The machine uses an industry standard die and has the capacity to weld most non-ferrous metals within the range 0.10 - 0.60mm.

Thanks to its uncomplicated design, the BM10 is very strong and simple to operate. Also, due to the few component parts used, the machine is low maintenance and extremely reliable.

MEDIUM WIRE

COLD WELD TECHNOLOGY



M30

TYPE / ТИП / ТИП:

Manual
Manuell
Ручное



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

0.30mm - 1.80mm
(.0118" - .071")

AWG: 281/2 - 13



Video demonstrations

www.pressureweldingmachines.co.uk



SIMPLE ACTION

The portable, manually operated M30 is the smallest machine manufactured to date that can weld non-ferrous wire or strip within the range 0.30 – 1.80mm. The M30 uses industry standard dies and the machine is operated by a simple scissor action that completes the weld in seconds. While designed to be hand-held (the machine is perfectly balanced for ease of use) the M30 can be fixed to a bench in the work area if required.

The machine is supplied in its own storage case, which has space for several dies.

MEDIUM WIRE

COLD WELD TECHNOLOGY

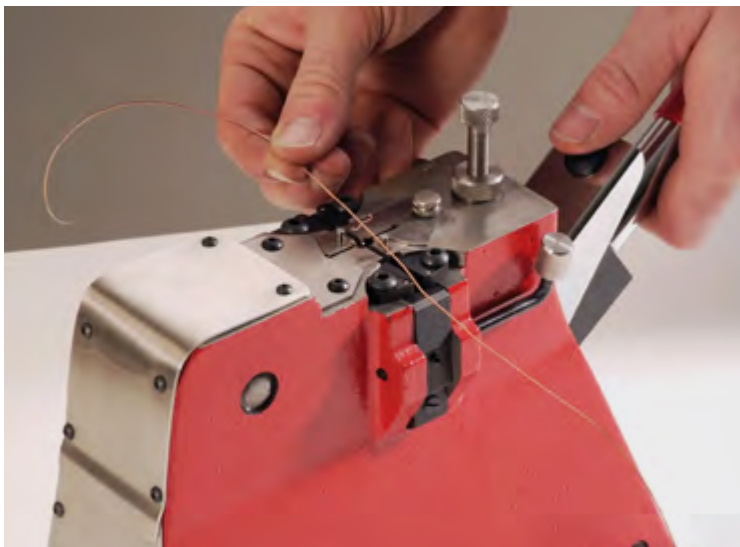


PWM's manual and powered machines are all designed and built in PWM's own British workshops to exceptionally high quality standards and fully tested to ensure total accuracy.



Video demonstrations

www.pressureweldingmachines.co.uk



BM30

TYPE / ТИП / ТИП:

Manual
Manuell
Ручное



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

0.30mm - 1.80mm
(.0118" - .071")

AWG: 28/2 - 13

STRONG AND STRAIGHTFORWARD TO USE

The BM30 can be used mounted on either a workbench or a mobile trolley. (Trolley can be supplied.) The machine is manually operated, using light pressure on the operating lever, which completes the weld in seconds. The BM30 uses an industry standard die and can weld most non-ferrous metals in wire or strip form, from 0.30 – 1.80mm.

Strong and simple to use, the BM30 has few component parts, so is extremely reliable and maintenance free.

MEDIUM WIRE

COLD WELD TECHNOLOGY

CP180



HP180/CP180



CP180

TYPE / TYP / ТИП:

Pneumatic
Pneumatisch
Пневматическое

CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Aluminium
Kupfer / Aluminium
Мощность: Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

0.30mm - 1.80mm
(.0118" - .071")

CP180 - PORTABLE WELDING UNIT

The air/hydraulic CP180 cold welder is supplied in a handy carry pack. This contains the machine and its two metre air line, the air/hydraulic intensifier, and a supply of machine oil. The carry pack is portable, enabling the operator to move the machine easily to the work area.

The CP180 can be hand-held or mounted on a prop fixed to the frame of the carry pack, and enables any operator to weld wire up to 1.80mm without effort.



HP180



HP180

HP180 - EASY WELDING

The HP180 is a small, air/hydraulic cold pressure welder, which is supplied with a trolley. It can also be used hand-held (within the limit of the air supply pipe) if required. The HP180 is suitable for all personnel, since it enables the operator to hand weld wire sizes 1.00mm to 1.80mm without effort.



Video demonstrations

www.pressureweldingmachines.co.uk

MEDIUM WIRE

COLD WELD TECHNOLOGY



M101

TYPE / ТИП / ТИП:

Manual
Manuell
Ручное



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper
/ Kupfer / Медь

Aluminium / Aluminium
/ Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

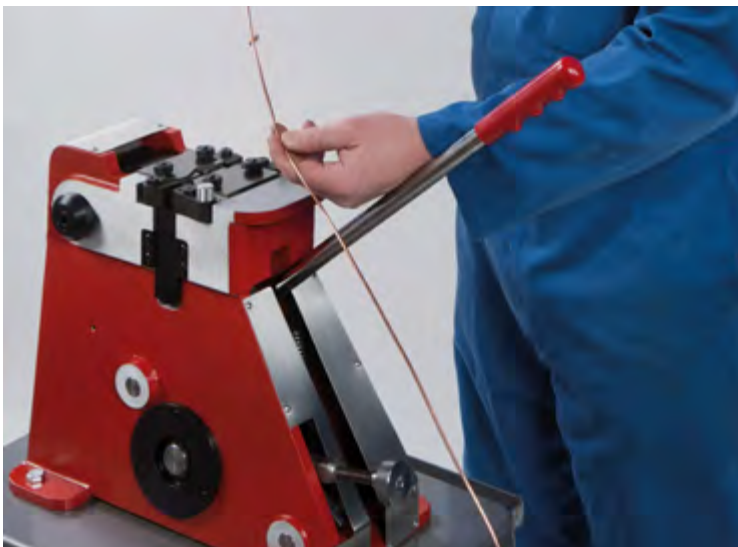
1.00mm - 3.60mm
(.040" - .141")

1.00mm - 5.00mm
(.040" - .197")



Video demonstrations

www.pressureweldingmachines.co.uk



VERSATILE OPERATION

The M101 can be used on a workbench or on a trolley. (Trolley can be supplied.) It is manually operated and, using the industry standard die, will weld most non-ferrous metals in wire or strip form within the range 1.00 – 3.60mm (copper) and 1.00 – 5.00mm (EC aluminium).

A strong, heavy-duty machine, the M101 is simple to operate and, due to the low number of component parts, easy to maintain. The multiple upset action is achieved by depressing the handle four or five times, which completes the weld in seconds.

Trolley supplied as extra

MEDIUM WIRE

COLD WELD TECHNOLOGY



Robust, low maintenance cold welders supplied with specially designed trolleys enable the operator to wheel the machine straight to the work area, saving effort and downtime.

P101

TYPE / ТИП / ТИП:

Pneumatic
Pneumatisch
Пневматическое



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

1.00mm - 5.00mm
(.040" - .197")

PNEUMATIC POWER

The P101 is mounted on a specially designed trolley which slopes towards the operator, providing a full view of the weld area and ease of operation. The machine uses industry standard dies and will weld most non-ferrous metals in wire or strip form (depending on hardness) within the range 1.00 – 5.00mm. The P101 operation is fully pneumatic, so the machine requires only a compressed air supply to activate it.

This cold welder is exceptionally strong and reliable, and due to its simple design, maintenance is easy and infrequent.



Video demonstrations

www.pressureweldingmachines.co.uk

MEDIUM WIRE

COLD WELD TECHNOLOGY



HP100

TYPE / ТИП / ТИП:

Air/Hydraulic
Luft/Hydraulisch
Воздушно/Гидравлическое



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / E.C.Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

1.00mm - 5.00mm
(.039" - .197")



Video demonstrations

www.pressureweldingmachines.co.uk



SOLID STEEL STRENGTH

The welding head of the HP100, made of cast steel for extra strength and stability, is mounted on a specially designed sloping trolley that gives a clear view of the weld area. On request, the machine can be supplied with a detachable welding head. This enables the operator to weld in areas where space is very limited, at a strand lay plate, for example, or inside a spooler casing.

Powered by an air/hydraulic intensifier, the HP100 will weld most non-ferrous materials in wire or strip form, within the range 1.00mm to 5.00mm, depending on the hardness of the material. The machine is easily activated by hand or foot and, using the multiple upset technique, will complete the cold pressure weld quickly and efficiently.

MEDIUM WIRE

COLD WELD TECHNOLOGY



HP200

TYPE / ТИП / ТИП:

Air/Hydraulic
Luft/Hydraulisch
Воздушно/Гидравлическое



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / E.C.Aluminium
Kupfer / Aluminium
Медь / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

2.00mm - 6.50mm
(.079" - .256")



Video demonstrations

www.pressureweldingmachines.co.uk



POWERFUL PERFORMANCE

A larger, more powerful version of the HP100, the HP200 is equipped with a solid steel welding head capable of welding non-ferrous wire and strip from 2.00mm to 6.50mm. Mounted on a trolley for convenience and ease of use, the HP200 is powered by an air/hydraulic intensifier and easily activated by a foot pedal.

Using the proven multiple upset technique, the machine will cold weld the materials in seconds to provide a bond which is as strong as the parent material.

STRIP

COLD WELD TECHNOLOGY



Video demonstrations

www.pressureweldingmachines.co.uk



ST40 FOR STRIP



TYPE / ТИП / ТИП:

Air/Hydraulic
Luft/Hydraulisch
Воздушно/Гидравлическое

CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Kupfer / Медь
Aluminium / Aluminium / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

Maximum width:
45mm (1.772")

Minimum thickness:
0.25mm (0.00984")*

*Depending on material properties

SPECIFICALLY DESIGNED FOR WELDING STRIP

The ST40 air/hydraulic welder is designed for welding non-ferrous strip and tape used on armouring lines. The machine is clean and simple to operate: no set up time is required and it is easily activated using the foot pedal.

Using PWM's proven cold weld technology, the ST40 produces strong reliable welds without loss of electrical integrity. It is supplied with a trolley, enabling the operator to move it to the work area.

The ST40 can be used with the machine head positioned either vertically or horizontally, as shown.

TRAPEZOIDAL WIRE

COLD WELD TECHNOLOGY



TR45 FOR TRAPEZOIDAL WIRE



TYPE / ТИП / ТИП:

Air/Hydraulic
Luft/Hydraulisch
Воздушно/Гидравлическое

CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper / Kupfer / Медь
Aluminium / Aluminium / Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

Trapezoidal wire up to 45mm²
(0.0697 sq.in.) Cross-sectional area



Video demonstrations

www.pressureweldingmachines.co.uk



MOBILE COLD WELDER FOR TRAPEZOIDAL WIRE

The TR45 cold welder is designed specifically for non-ferrous trapezoidal wire used in the build-up of sub-sea cables. The machine has a footprint of 750 x 610mm and is mobile, so can be moved easily to the work area. Powered by an advanced air/hydraulic system, the TR45 will weld trapezoidal material up to 45mm² cross-sectional area. No set up is required and the TR45 is energy-efficient and simple to operate, using the foot pedal.

ROD

COLD WELD TECHNOLOGY



Video demonstrations

www.pressureweldingmachines.co.uk



EP500

TYPE / TYP / ТИП:

Electro/Pneumatic
Elektrisch/Pneumatisch
Электро/Пневматическое



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper
/ Kupfer / Медь

Aluminium / Aluminium
/ Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

5.00mm - 12.50mm
(.197" - .492")

5.00mm - 15.00mm
(.197" - .590")

ENERGY-EFFICIENT PERFORMANCE

The EP500 is an electro-pneumatic, free-standing rod welder. It will cold weld most non-ferrous metals, in wire or strip form, within the range 5.00 – 12.50mm (copper), 5.00 – 15.00mm (aluminium) depending on the hardness of the material. The EP500 is equipped with an advanced, user-friendly programmable controller (PLC), which takes the pneumatic system through the required welding sequence and monitors the system for faults.

This heavy-duty machine is pneumatically powered and requires a compressed air supply and a single phase electrical supply of between 100 and 240 volts (the specific voltage requirement is stated at the time of ordering). No hydraulics are used with the EP500.

A co-axial thrust technique is applied in the welding process, with independent control over the grip and upset movements through an arrangement of pneumatic cylinders. Fully automatic deflashing is incorporated into the system for removal of the weld burr.

ROD

COLD WELD TECHNOLOGY



Video demonstrations

www.pressureweldingmachines.co.uk

P1000

TYPE / ТИП / ТИП:

Hydraulic
Hydraulisch
Гидравлическое



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper
/ Kupfer / Медь

Aluminium / Aluminium
/ Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

6.00mm - 16.00mm
(.236" - .630")

6.00mm - 20.00mm
(.236" - .790")



ENGINEERED FOR ECONOMY

Compact yet powerful, the P1000 hydraulic rod welder joins non-ferrous rod 6mm – 20mm diameter quickly and cost-effectively.

The sloping front panel and position of the mechanical parts enable the operator to see the cold weld process easily. Quick release dies and the adjustable die setting mechanism ensure that die changeover is fast and problem-free. Power consumption is minimal and the P1000 requires no heat, flux or fillers. No dangerous fumes are generated and the machine is clean, safe and simple to operate.

Ideal for small workshops, the competitively priced P1000 has a footprint approximately 1200mm² and a gross weight of 1477kg.

Energy-efficient, user-friendly machines reduce operating costs and minimise waste.

ROD

COLD WELD TECHNOLOGY



P1500

TYPE / ТИП / ТИП:

Electro/Hydraulic
Elektrisch/Hydraulisch
Электро/Гидравлическое



CAPACITIES / LEISTUNGSVERMÖGEN / МОЩНОСТЬ:

Copper	Aluminium / Aluminium
/ Kupfer / Медь	/ Алюминий

SIZE / GRÖÖE / РАЗМЕРЫ:

15.00mm - 25.00mm (.590" - .984")	15.00mm - 30.00mm (.590" - 1.181")
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Video demonstrations

www.pressureweldingmachines.co.uk



COST-EFFECTIVE ROD WELDING

The P1500 is designed to cold pressure weld most non-ferrous metals within the range 15 – 25mm diameter (copper) and 15 – 30mm (aluminium), depending on the hardness of the material. The machine is hydraulically powered and electronically controlled. The independent grip and upset forces are produced by an arrangement of hydraulic cylinders, and the control system provides automatic deflashing on completion of the weld.

The P1500 offers wire and cable manufacturers a cost-effective method of welding large cross sectional areas: power consumption is minimal and is limited to the hydraulic pump motor. Safe, reliable and quiet to operate, the P1500 complies with European standards and directives.

DIES

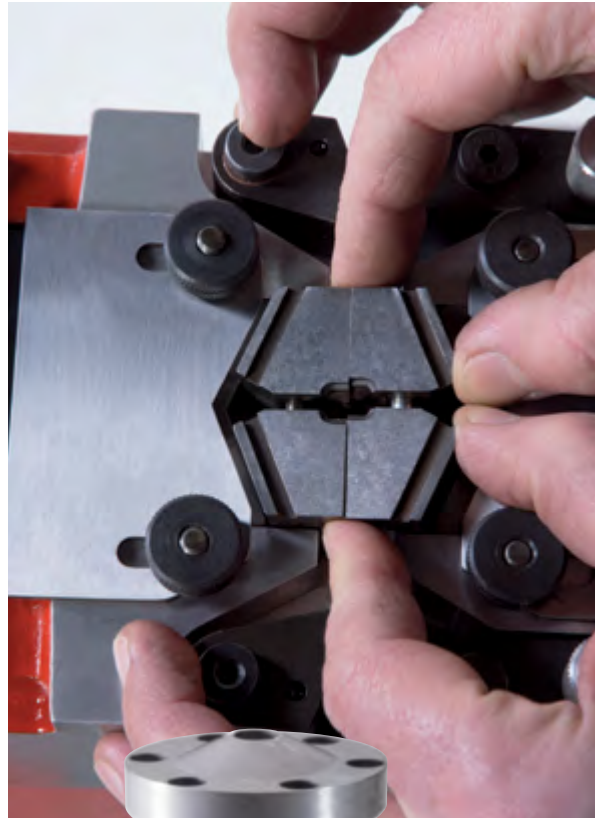
COLD WELD TECHNOLOGY

CUSTOM-MADE DIES

Our highly skilled engineers can design and manufacture dies for round or profile wires and rods to meet customers' specifications. Recent innovations include a die to join trapezoidal wire used in the build-up of large cables.

We can also make dies to weld two different sizes of wire or rod together, enabling manufacturers to join different wire sizes together quickly when changing spools.

For more information, please [contact us](#).



Video demonstrations

www.pressureweldingmachines.co.uk



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