PROMOTECH®

MILLING

DRILLING

TAPPING

PUNCHING

smart tools
for heavy tasks

DRILLING / TAPPING PUNCHING MACHINES

OVERVIEW

COMPACT DRILLS

The compact design and excellent weight-to-power ratio make these mag drills a popular choice for customers. With a milling capacity of up to 36 mm, dual bars guide system for extraordinary stiffness and adjustment free operation, and increasingly common battery drive, these machines are ideal for site work.

	PRO-36	PRO-36 AD	PRO-40 AD	PRO-36 AUTO
Milling capacity	36 mm	36 mm	40 mm	36 mm
Drilling capacity	12 mm	12 mm	12 mm	12 mm
Stroke	70 mm	39 mm	45 mm	70 mm
Depth of cut	51 mm	30 mm	40 mm	51 mm
Power	1020 W	1020 W	1100 W	1020 W
Weight	10 kg	9.5 kg	10 kg	13.5 kg

	PRO-36 BATTERY	PRO-36 PM BATTERY	PRO-36 PM	PRO-36 T3
Milling capacity	36 mm	36 mm	36 mm	36 mm
Drilling capacity	12 mm	12 mm	12 mm	12 mm
Stroke	70 mm	70 mm	70 mm	70 mm
Depth of cut	50 mm	50 mm	50 mm	51 mm
Power	450 W	400 W	1020 W	1020 W
Weight	11.5 kg (with 4.0 Ah Battery)	14.5 kg (with 4.0 Ah Battery)	13.2 kg	11 kg

Promotech offers the most powerful LiHD (High Density Lithium Ion) battery packs that feature longer run time, more power, longer service life, and extremely robust design.

CAS CORDLESS ALLIANCE SYSTEM

Battery 4.0 Ah

Battery 5.5 Ah

Battery 10.0 Ah

Battery charger

Charging time
~ 30 min (4.0 Ah)
~ 41 min (5.5 Ah)
~ 74 min (10.0 Ah)

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MEDIUM-SIZED DRILLS

The exceptionally wide range of mag drills in this segment ensures that every customer will find a machine perfectly suited to their specific application, regardless of the tool used, such as HSS and TCT cutters or twist drills. All drills are equipped with smart electromagnetic bases including many advanced systems.

	PRO-40	PRO-50
Milling capacity	40 mm	50 mm
Drilling capacity	16 mm	23 mm
Stroke	160 mm	160 mm
Depth of cut	50 mm	75 mm
Power	1100 W	1150 W
Weight	13 kg	15.5 kg

PRO-40

PRO-50

PRO-55

PRO-62

	PRO-55	PRO-62
Milling capacity	55 mm	65 mm
Drilling capacity	16 mm	16 mm
Stroke	160 mm	95 mm
Depth of cut	75 mm	75 mm
Power	1100 W	1600 W
Weight	15 kg	17 kg

	PRO-72	PRO-102
Milling capacity	70 mm	100 mm
Drilling capacity	25 mm	31.75 mm
Stroke	190 mm	225 mm
Depth of cut	75 mm	100 mm
Power	1600 W	1650 W
Weight	18 kg	24 kg

PRO-72

PRO-102

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TAPPING & DRILLING MACHINES

The most advanced and powerful mag drills feature ability to tap pre-drilled holes, stable speed regardless of load changes, continuous speed adjustment to optimize working conditions depending on diameter, steel grade or tool type, LED indicator to facilitate proper operation and increase work safety, both overload and overheat protection to prevent misuse of the machine and many more.

PRO-52T	
Milling capacity	50 mm
Tapping capacity	M20
Drilling capacity	23 mm
Stroke	190 mm
Depth of cut	75 mm
Power	1600 W
Weight	17 kg

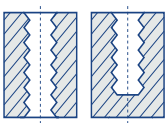
PRO-72T	
Milling capacity	70 mm
Tapping capacity	M20
Drilling capacity	25 mm
Stroke	190 mm
Depth of cut	75 mm
Power	1600 W
Weight	18 kg

PRO-122T SB	
Milling capacity	120 mm
Tapping capacity	M30
Drilling capacity	31.75 mm
Stroke	225 mm
Depth of cut	100 mm
Power	2300 W
Weight	28.5 kg

PRO-152T	
Milling capacity	150 mm
Tapping capacity	M42
Drilling capacity	47 mm
Stroke	260 mm
Depth of cut	100 mm
Power	2300 W
Weight	31 kg

As a long-standing manufacturer of mag drills popular with customers, Promotech introduces quick change tapping system including wide range of accessories to perform both through and blind holes tapping

- TC - Tapping Chucks MT2, MT3, MT4 featuring securing nut (8 models altogether)
- TA - Tapping Adapters without safety clutch for tapping tools size M3 up to M42 for through holes (26 models altogether)
- TASC – Tapping Adapters with Safety Clutch for tapping tools size M3 up to M42 for blind holes (26 models altogether)
- RA – Reduction Adapters to extend the scope of tapping tools for use with particular tapping chucks (5 models altogether)



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ATEX DRILLS FOR HAZARDOUS ENVIRONMENTS

ATEX drill family conform to II 2G Ex h IIC 135°C (T4) Gb and II 2D Ex h IIIB T135°C Db requirements for equipment used in hazardous environments such as oil drilling platforms, petrochemical plants, oil refineries, shipbuilding and petrochemical industry, where electric appliances are prohibited for safety reasons. Combination of pneumatic drive and permanent magnetic base eliminate the need of electric power supply allowing for a safe use in Ex zones and where hazardous, flammable or combustible vapors, liquids, dusts or residues may be present.

ATEX

	PRO-40 AD ATEX	PRO-50/2 ATEX	PRO-50/2T ATEX	PRO-200A ATEX
Milling capacity	40 mm	50 mm	50 mm	200 mm
Tapping capacity	N/A	N/A	M16	M48
Drilling capacity	16 mm	20 mm	20 mm	45 mm
Stroke	40 mm	150 mm	150 mm	400 mm
Depth of cut	25 mm	50 mm	50 mm	100 mm
Power	800 W	800 W	800 W	3650 W
Weight	15 kg	23 kg	24 kg	130 kg

RAIL DRILLING MACHINES FOR ALL RAIL STANDARDS

With range of most common and custom-made positioners and templates our drilling machines are able to suit any required rail standards worldwide. Customers can choose from three supply options. Namely electric motor, petrol motor or battery drive. All models enable drilling of holes up to 36 mm in diameter, whereas their compact and lightweight design make them ideal solution for site work.

	PRO-36R ELECTRIC	PRO-36R BATTERY	PRO-36RH PETROL
Milling capacity	36 mm	36 mm	36 mm
Drilling capacity	16 mm	16 mm	16 mm
Stroke	40 mm	40 mm	39 mm
Depth of cut	30 mm	30 mm	30 mm
Power	1020 W	450 W	1500 W
Weight	14.5 kg	14.5 kg	18.5 kg
Drive	single phase electric motor	battery electric motor	4-stroke HONDA petrol motor

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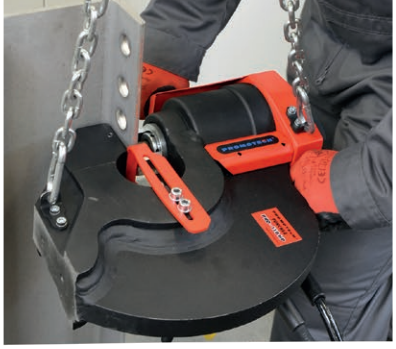


HYDRAULIC MACHINES

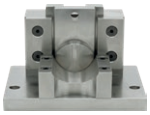
PRO-110 HP hydraulic punching machine produces holes in seconds by pressing a tool known as a punch & die through a metal workpiece with a punching force of 47 tons.
This portable machine speeds up the production of holes and slots of different shapes, such as round, oblong, oval or hexagonal with a diameter of up to 27 mm.

Multi Tool Hydraulic Press is a practical extension of hydraulic puncher PRO-110 HP.
PRO-MTHP can be widely used in various industries dealing with pipe structures, plumbing systems, metal structures and components, significantly boosting productivity and efficiency.

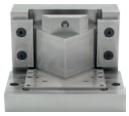
PUNCHER
PRO-110 HP

Hydraulic Pack
with hoist

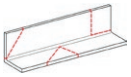
PRO-MTHP
Multi Tool Hydraulic Press


Pipe notching tool

90 degree shearing tool


90 degree V notching tool

Flat bar shearing tool



max. thickness
16 mm

max. throat depth
110 mm

max. hole
27 mm

max. oblong
hole 25 x 18 mm

punching time
8 sec

punching power
47 ton

double action
hydraulic movement
YES

HSS/TCT CUTTERS, COOLANTS/LUBRICANTS & AUXILIARY ACCESSORIES

Annular cutters are specialized design bits for milling through steel much faster than regular drill bits. We supply HSS cutters with diameters up to 65 mm and cutting depths up to 100 mm and TCT cutters with diameters up to 160 mm and cutting depths up to 100 mm.

Eco-friendly HD-CUT cooling/lubricating, non-corrosive, biodegradable coolants offer superior properties and produce outstanding tool life and cut finish.

We also offer a full range of other accessories for a variety of drilling applications.

VACUUM PAD FOR MAG DRILLS

Special type of clamping device that enables compact mag drills to work effectively on thin and non-ferrous materials.

Vacuum pad

Compressed air ejector

Vacuum pump

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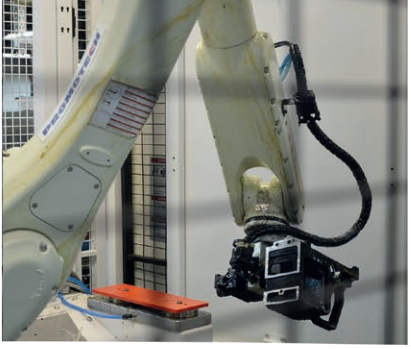
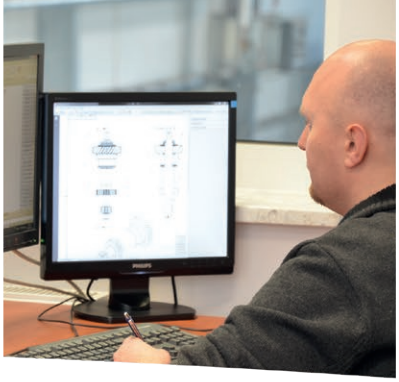
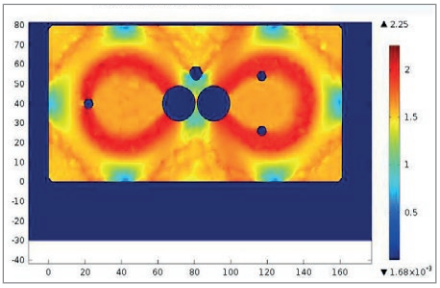
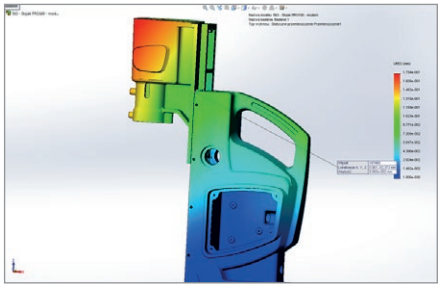


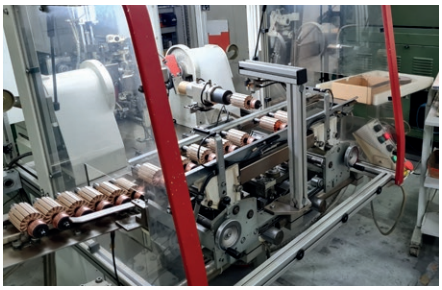


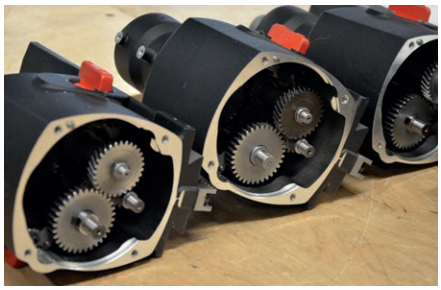
BENEFIT FROM OUR EXPERTISE

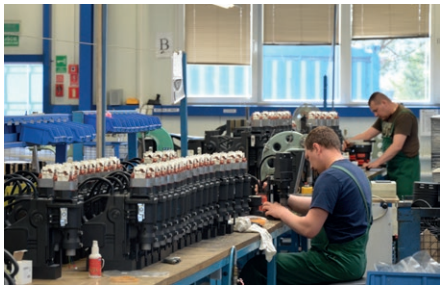
Depending on the model chosen, our drills incorporate a range of innovative systems and solutions based on the expertise we have gained over 35 years of engineering.











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PROMOTECH®

PROFESSIONAL MANUFACTURER OF PREMIUM MACHINES FOR METALWORKING INDUSTRY

PROMOTECH is an innovation driven ISO 9001:2015 manufacturer of professional metalworking machines, welding automation equipment and industrial systems designed for structural steel fabricators, heavy machinery manufacturers, shipyards and other metal machining companies

Main product lines:
- mag drills, pneumatic drills, rail drills and hydraulic punchers
- weld preparation/portable and stationary bevellers for plates and pipes
- welding and cutting portable mechanisation equipment
- welding and cutting automated systems

Our products:
- offer solutions to reduce cost and increase productivity
- are designed and engineered for long term use in tough industrial conditions
- meet the requirements of the most demanding clients and markets worldwide
- are made in Poland according to the highest quality standards
- include top quality components
- are thoroughly tested for quality approval
- proved to be extremely reliable with a variety of practical applications in most difficult climatic environments

Further information about PROMOTECH and our product range can be found at *www.promotech.eu* and *www.atexdrilling.com*

FOLLOW US FOR UPDATE AND MORE

All information is subject to change without notice. 26.10

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CE
bsi ISO 9001 Quality Management Systems CERTIFIED FM 37982
CAS CORDLESS ALLIANCE SYSTEM
American Welding Society Supporting Company Member
Mitglied im DVS – Deutscher Verband für Schweißen und verwandte Verfahren e. V.
DVS VERBAND