



PIPE CUTTING & BEVELING

THE PORTABLE DLW SERIES



WWW.DWT-PIPETOOLS.COM

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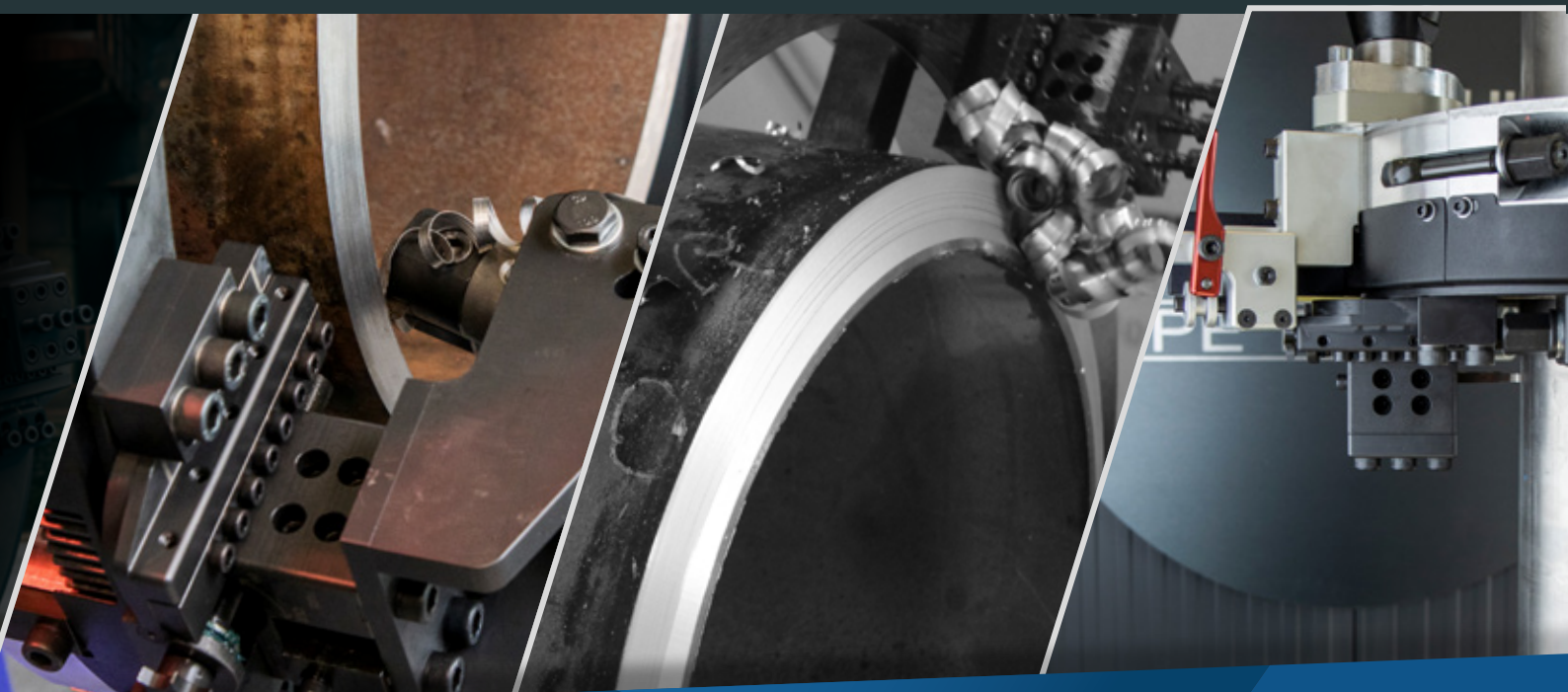
PIPE CUTTING AND BEVELING MACHINES

The portable DLW series

PIPE CUTTING AND BEVELING MACHINES

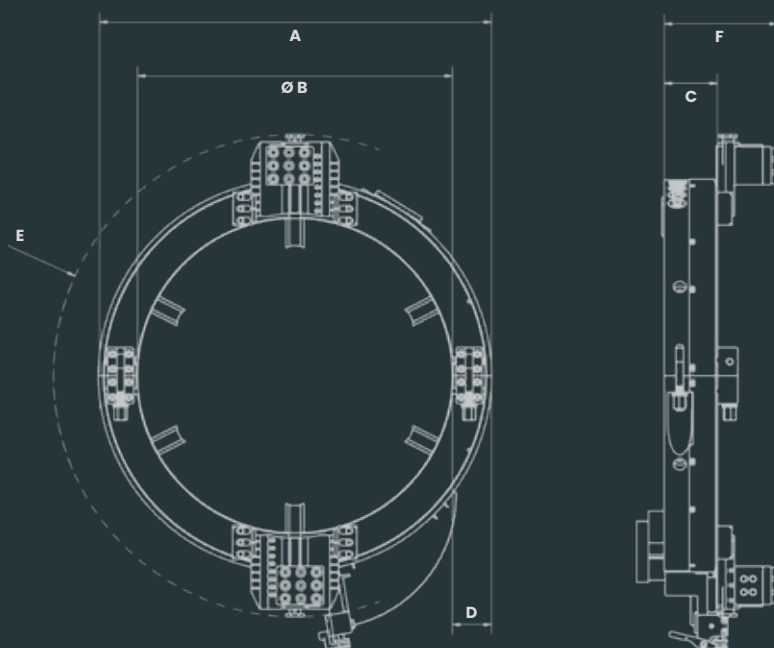
Nowadays, stainless steel pipes, steel pipes and high-alloy, thick-walled steel pipes must be cut and beveled quickly and with high quality. Depending on the material, diameter and wall thickness, we offer the perfect machine for this purpose.

Specially designed for thick-walled pipes, pipe diameters of up to 1410 mm OD can be handled at wall thicknesses up to 80 mm.



ADVANTAGES / PROPERTIES

- Cold cutting and beveling of thick-walled steel pipes
- Developed with „on-site“ know-how
- No heat-affected zone (cold cutting)
- Spark-free and reduced noise
- Perfect weld seam preparation for thick-walled steel pipes



Typ	A mm	B mm	C mm	D mm	E mm	F mm	Max. wall thickness* (mm)	Pipe OD** (mm) min. max.	Weight (kg)
DLW 2-6	319	182	88,5	68	202	188	80	60 168	23
DLW 4-8	366	232	88,5	68	224	188	80	89 219	27
DLW 5-10	420	286	88,5	68	249	188	80	114 274	30
DLW 6-12	470	340	88,5	68	261	188	80	141 324	34
DLW 8-14	496	368	88,5	68	262	188	80	194 356	38
DLW 10-16	550	421	88,5	68	317	188	80	244 406	42
DLW 12-18	604	470	88,5	68	341	188	80	298 457	45
DLW 14-20	655	525	88,5	68	369	188	80	330 508	50
DLW 18-24	759	625	88,5	68	420	188	80	432 610	60
DLW 24-30	920	775	88,5	74	496	188	80	585 762	83
DLW 30-36	1068	928	88,5	74	572	188	80	737 914	93
DLW 36-43	1250	1105	88,5	74	661	188	80	889 1092	127
DLW 40-48	1420	1245	95	89	731	194	80	991 1219	170
DLW 48-57	1678	1503	95	89	912	194	80	1210 1410	205

*Depending on the combination of machine and pipe diameter/material. ** Range can be increased with longer locator.





Technology and innovation

The pipe cutting and beveling machine is used to cut thick-walled pipelines in explosive areas such as oil and gas platforms and other hazardous areas.

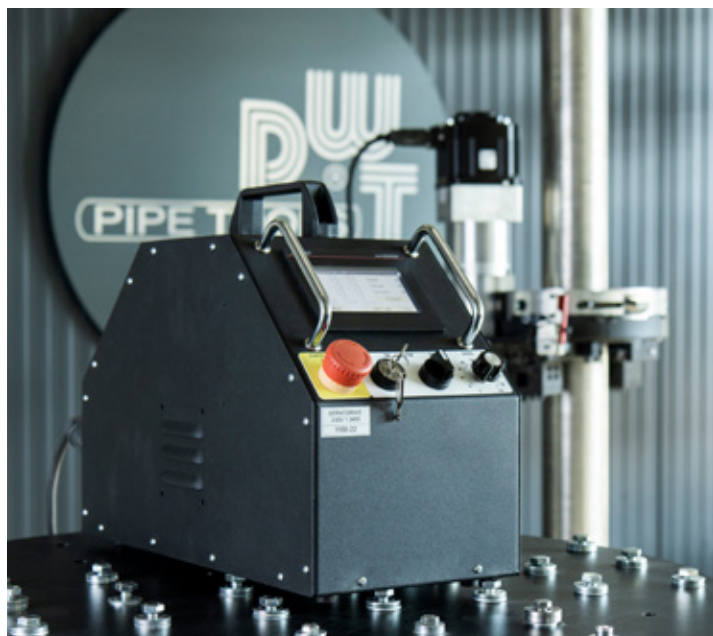
Cold cutting is carried out at low temperatures and has many advantages: The pipe material remains cold, so that the damage to the material is reduced to a minimum. In addition, there are no sparks, no discolouration and no environmental pollution.

Modular drives and tool holders

The drives and tool holders are a basic component of the pipe cutting machines. An adapter allows all motor types and sizes (pneumatic, hydraulic) to be interchanged.

- Modular design
- Easy exchange on site
- Lower investment costs





Servo Drive Motor

Electric servo drive motors

The DLW pipe cutting and beveling machines can optionally be equipped with electric servo drive motors, which allows speed, torque and current consumption to be displayed and measured during the cutting process.



Advantages:

- Available with 230 V and 400 V connection
- For cutting and beveling thick-walled pipes
- Shockproof and corrosion resistant
- Large display and emergency stop switch
- Speed, torque and current consumption are displayed during the cutting and beveling process

Power	Area	Wall thickness	Material	Tooling
230V / 1,5 kW	DLW 2-6 - DLW 12-18	40 mm	steel, stainless steel	HSS Tooling
400 V / 3,5 kW	DLW 14-20 - DLW 48 - 57	80 mm	steel, stainless steel, high-alloy and heat-resistant steels	Inserts + HSS Tooling

Pneumatic motor

Air driven motors

- Suitable for EX-protected areas
- Extremely powerful motor
- Durable motor
- Modular interchangeable
- Suitable for HSS tools
- Insert solutions for beveling



Power	Area	Air consumption	Air pressure	Wall thickness	Material
1.700 W / 2,3 HP	DLW 2-6 - DLW 6-12	1,80 m³/min	6,0 bar	80 mm	steel, stainless steel
3.000 W / 4,1 HP	DLW 8-14 - DLW 48 - 57	3,10 m³/min	6,0 bar	100 mm	steel, stainless steel, high-alloy and heat-resistant steels



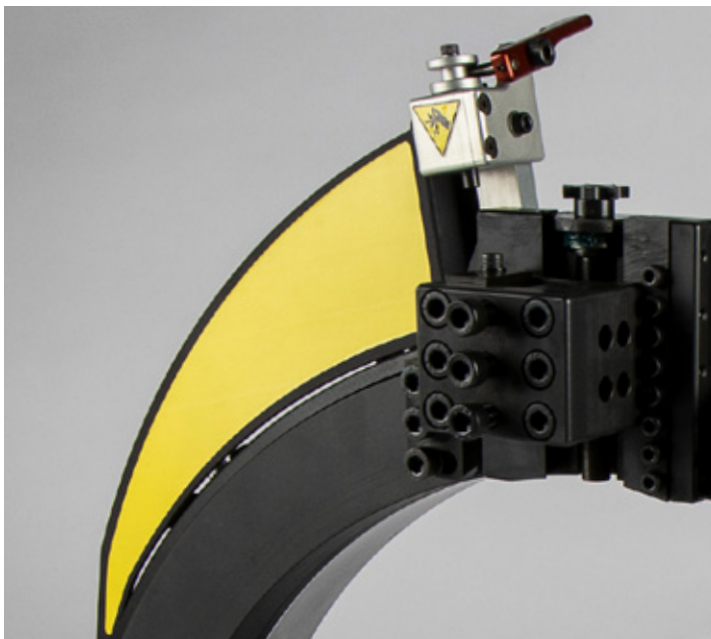
Hydraulic motor

Hydraulically driven motors

- Suitable for EX-protected areas
- Extremely powerful motor
- Durable motor
- Modular interchangeable
- Insert solutions for beveling
- High speed motors available



Power	Area	Wall thickness	Material	Tools
11,000 W / 15 HP	DLW 2-6 - DLW 48 - 57	100 mm	steel, stainless steel, high-alloy and heat-resistant steels	Inserts + HSS Tools



DLW-Safety features

DLW protector system to avoid accidents

The standard safety shield protects against crushing and unintentional intervention when operating the DLW. With the optional accessories such as the maintenance unit or the remote control, safety can be further increased.

- Safety shield „Shark fin“ (standard)
- Remote control to adjust the feed (optional)
- Safety maintenance unit with emergency stop and foot pedal (optional)



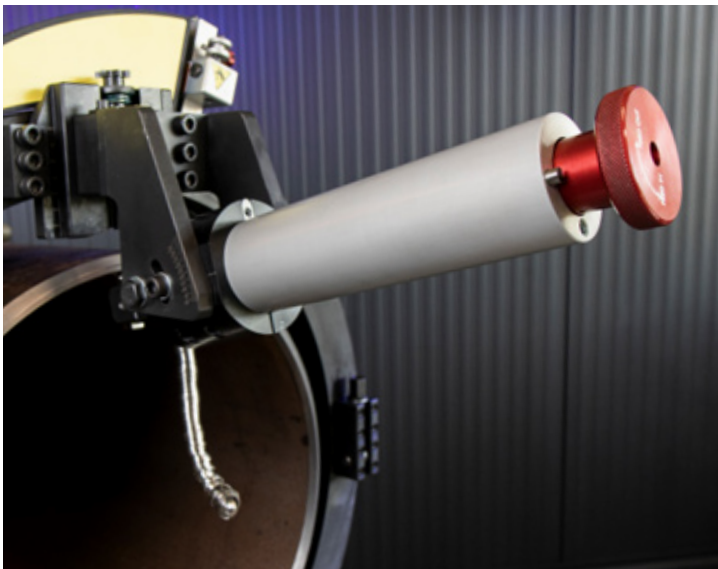
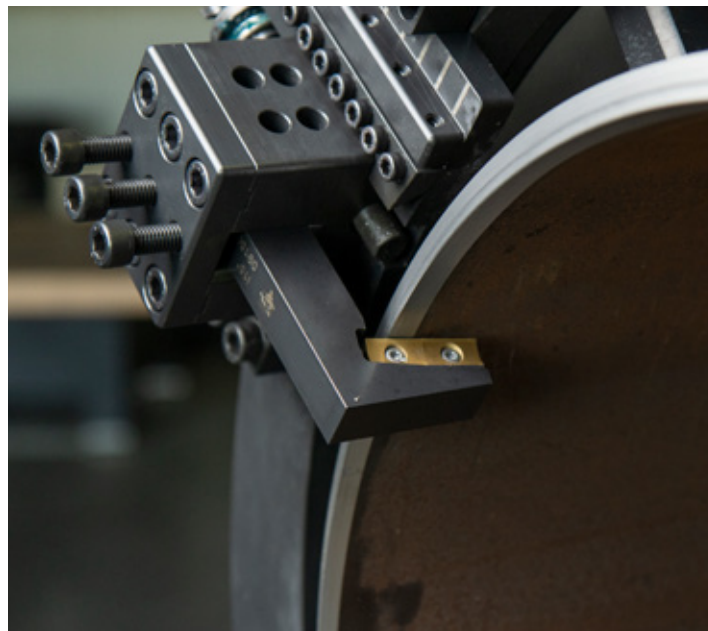
DLW-IBT

Internal machining of steel pipes

The „Inside-Beveling-Tool“ (IBT) consists of a negative threaded rod for the tool holder (2 Tool tips) and a special insert holder. With this combination, a bevel of max. 25 mm at an angle of 30° degrees is possible.



- Easy installation
- High repeatability
- Adaptation of pipes in the factory or directly on the construction site



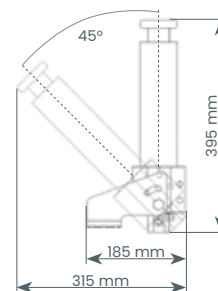
DLW-CB III

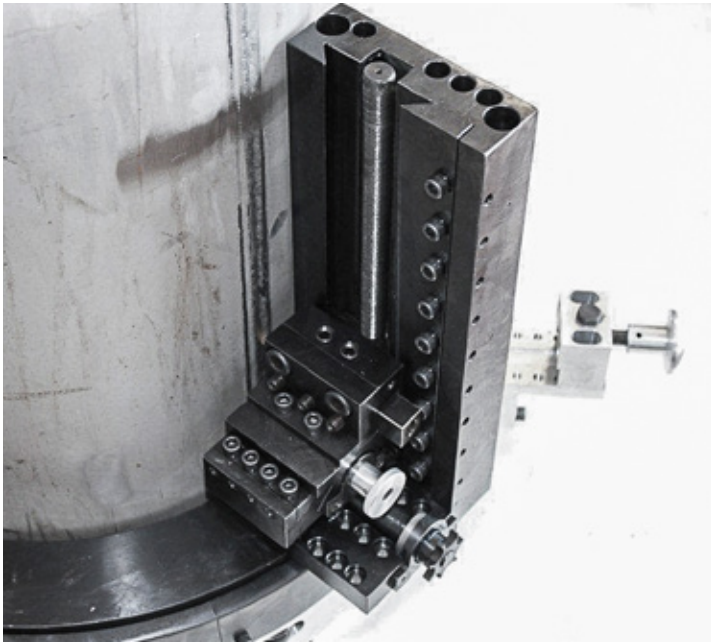
Internal machining of steel pipes

The internal boring device can be used for seam preparation of the inner diameter and the inner bore of max. 200 mm depth, after cutting the pipes. The angle is adjustable from 0° - 25°.

Advantages:

- High repeatability
- Adjustment of pipes in the factory or directly on the construction site
- Modular design, easy installation



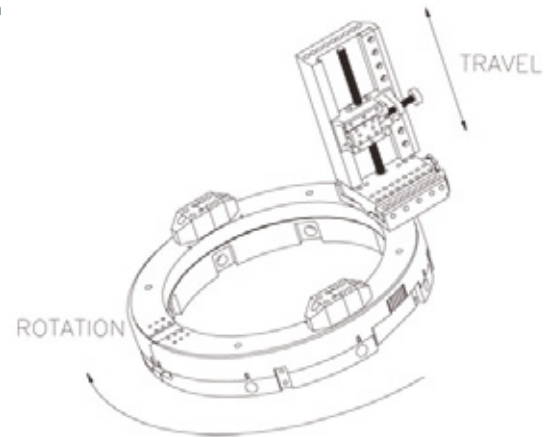


DLW-ETM

Overturn outside

The additional equipment DLW-ETM is used for external machining of thick-walled pipes, external insulation as well as for removing protruding weld seams.

Axial feed: 188 mm



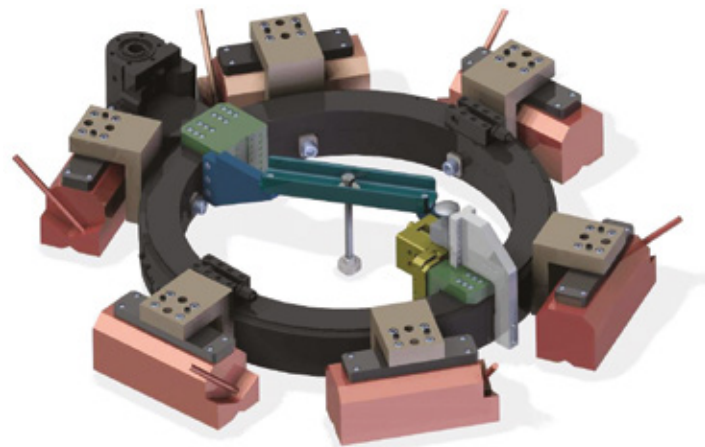
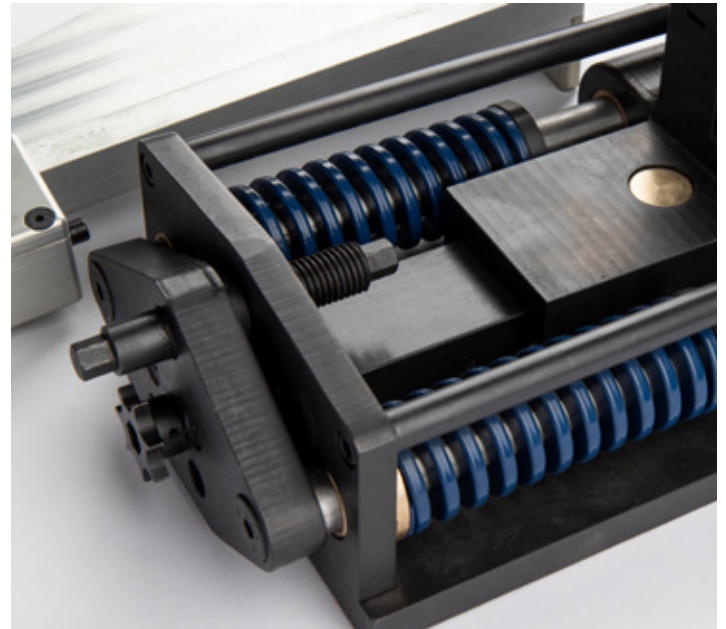
DLW-SLH

Machining oval tubes

The spring load holder DLW-SLH is used for cold pipe cutting and beveling of out-of-round-pipes. The copying device ensures uniform guidance of the cutting tool when processing thin-walled steel pipes.

Advantages:

- Compensation of round pipe shapes
- Modular design, easy installation



Deck Cutter

Allows circular holes in sheet metal plates

By using strong magnets and a special blade holder, any DLW from 12 - 57", can be converted into a deck cutter. This mobile machine is able to cut large holes in sheet metal plates.

Advantages:

- Wide range of applications
- Very strong special magnets
- Up to a material thickness of 15 mm





Mobile hydraulic power units

Available with electric, petrol or diesel engine

Our hydraulic power packs have an infinitely variable delivery rate of 10 to 50 l/min, at 105 bar working pressure. The oil flow can be controlled by means of the selector switch or throttle lever. Therefore, it is possible to connect hand tools with a flow rate of up to 24 l/min as well as high-performance machines with 50 l/min.

Hydraulic power packs can be used with the following tools:

- Pipe beveling machines
- Pipe cutting machines
- Chisel hammers
- Water pumps
- Cut-off saws
- Drilling machines
- Core drilling machines
- Power wrenches

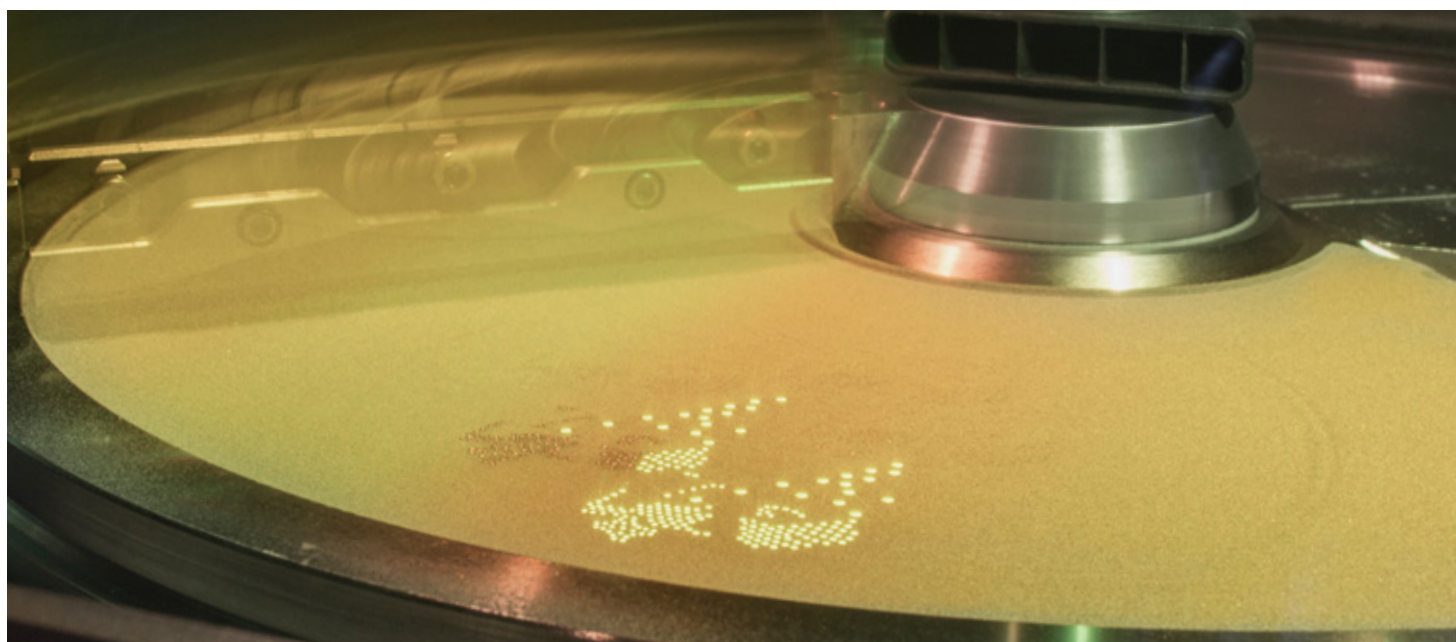
Properties

- Wired remote control
- On-Off Valve
- Compact, mobile design
- Extremely easy to maintain - Direct access to all parts
- Oil level indicator, temperature and oil quality indicator
- Sturdy steel frame construction
- Low oil volume



Technical data

Type	DHP18E	DHP26D
Drive	Electric motor	Diesel engine
Power	11 kW, 3x 400 V	25,2 HP
Starter	-	electric
Pressure	120 bar/ 1.740 psi	170 bar/ 2.465 psi
Flow rate	10 – 46 ltr/min	20 – 60 ltr/min
Mobil	Yes	Yes
Weight	135 kg / 300 lbs (empty)	230 kg / 507 lbs (empty)
Dimensions	805 x 625 x 704 mm	1.040 x 740 x 850 mm



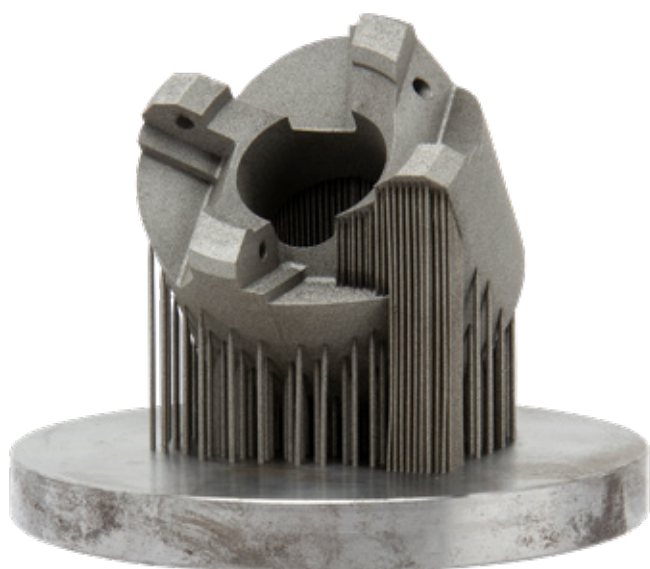
INDIVIDUAL PRODUCT DEVELOPMENT

From development, via prototypes, to series production

There is a solution for every task – this is also true for tools! If there is not yet a suitable pipe processing tool for your specific requirement, we can develop it together with you.

With the help of our development team and state-of-the-art 3D metal printing technology, we create prototypes and small series. For higher quantities, these can also be produced in series by us.

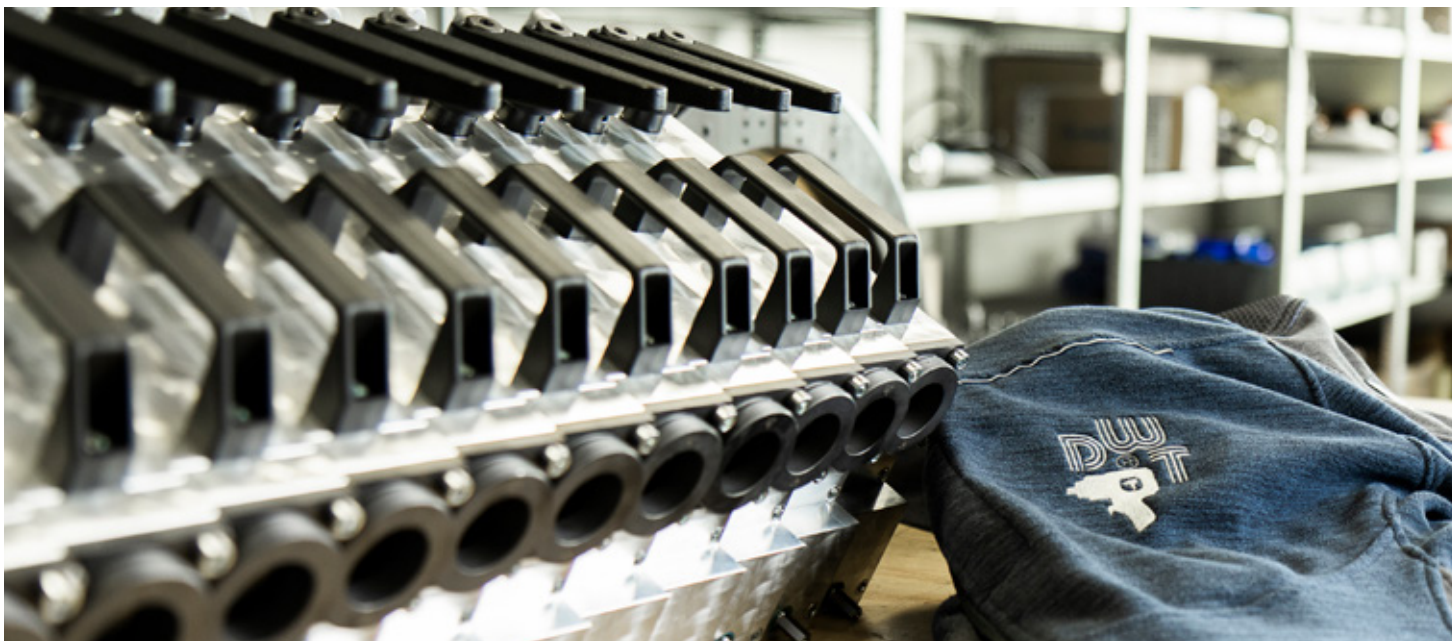
Please contact us and we will find a solution together.



YOUR ADVANTAGES

- Individual development specifically to your requirements
- Special solution with unique selling proposition
- Service directly from the manufacturer
- Production in Germany





SERVICE & MAINTENANCE

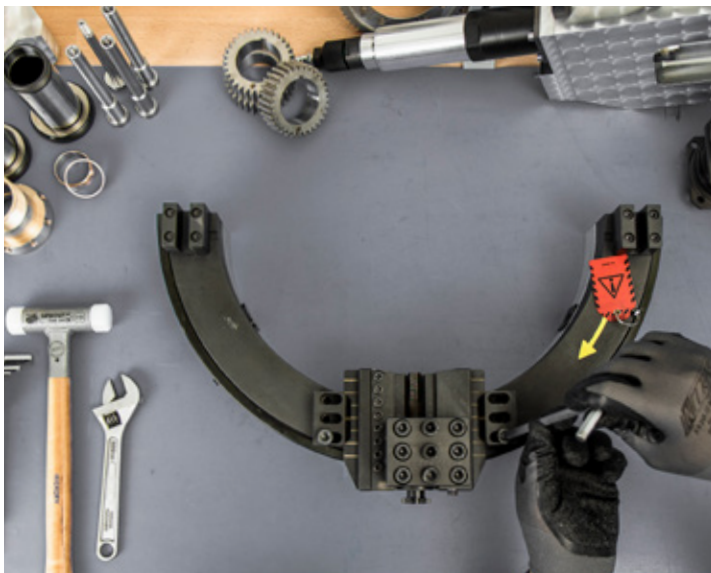
All machines, every model, fast and competent

Our products are extremely robust and reliable. To maintain performance in the long term, you should have the recommended service and maintenance intervals carried out regularly. All service and maintenance work is carried out by qualified staff with great care.

We offer competent service through subsidiaries and our worldwide network of authorised partners.

YOUR ADVANTAGES

- Reduced downtime
- Maintaining the value of your machines
- Service directly from the manufacturer
- Ensuring operational availability



OUR SERVICES

- Proactive maintenance
- Cost estimates, repairs, replacement
- Pick-up service for machines
- Service training for customers
- Visual and functional check
- Carrying out modifications
- Rental machines for repair bridging with special conditions
- Functional test of the system components
- Determination and measurement of technical parameters

REAL-TIME SUPPORT WITH DATA GLASSES

With Assisted Reality (AR) we support you where you need it.

Optionally, the machines and tools can be supplied with data glasses with a mini PC. Our expert team or the respective manufacturer can be contacted at any time by scanning a barcode to receive live support at the machine. Operating instructions, sketches or photos can be implemented in the worker's field of vision to solve problems during operation, installation or maintenance.



Properties

- You or your technicians can talk directly to our experts
- The experts see directly and in real time what is happening in front of the data glasses
- Through the visual interface, our support can mark points, display texts, operating instructions, sketches or photos in the worker's field of view
- Worldwide application possible
- Portable and battery-based
- Also available with various attachment options (e.g. helmet, headband)

YOUR ADVANTAGES

- Increase the efficiency of your staff
- Reduction of long interruptions in production due to breakdowns
- Reduction of travel costs for support, maintenance or training staff
- Cost reduction/avoidance
- Flexible on-site solutions through your own staff





CUTTING TOOLS

Developed in cooperation with German universities, our cutting tools provide outstanding results for cutting and machining pipes:

- TiN or duplex coated
- High cutting performance
- Robust TT holders
- Lower costs of cutting tools through the use of inserts



Tool tip holder
60 & 80 mm cutting off

Item	Description
091505182	Tool tip holder 30° RH (2x Tool tips 091501416 needed)
091505183	Tool tip holder 37,5° RH (2x Tool tips 091501416 needed)
091505184	Tool tip holder 37,5°/10° RH (4x Tool tips 091501416 needed)
091505185	Tool tip holder 80 mm cutting off
091505187	Tool tip holder 60 mm cutting off
091505186	Tool tip 60 & 80 mm cutting off
091501416	Tool tip holder 30° and 37,5° RH



CUTTING TOOLS HSS

Item	Description
091503978	Beveling tool 30° RH
091503980	Beveling tool 37,5° RH
091504587	Beveling tool 37°/10° RH
091503975	Cutting tool set 45 mm cutting off
091503976	Cutting tool set 50 mm cutting off
091503977	Cutting tool set 80 mm cutting off



DO YOU ALREADY KNOW?

DWT Pipetools offers live demos, online presentations and VR Experience

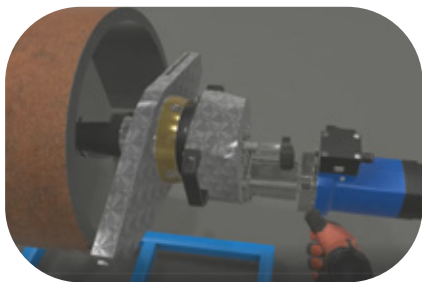


LIVE DEMO

Whether it is an individual product demonstration or a training course – we are happy to offer our service on site or online. Thanks to our field service, we have specialists close to you.

YOUTUBE CHANNEL

Application films and explanatory videos on a wide range of products as well as image films can be found on the YouTube channel of the „DWT-GMBH“.



VR EXPERIENCE

Experience our products virtually in 3D. Our VR showroom enables product demonstrations or even training courses, of a variety of DWT machines.

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