PIPE COLD CUTTING MACHINE
for heavy wall metal pipe and pipeline

- Extremely low weight pipe cutting machine
- Quick and safe clamping and set up of pipe cold cutter
- Most precise operation for pipe welding process
- Pipe cold cutting operation
- High productivity of cold cutter
- Perfect weld preparation
- No heat affected zone (HAZ) with cold cut
DESIGN AND DEVELOPMENT

DLW clamshell pipe cold cutter

**Field of applications**

The portable pipe cutting machine for steel pipe machining of pipes on-site is able to perform beveling and cutting of steel pipes as well as stainless steel and high alloyed steel pipes. The machines are reduced in weight and dimensions. The accessories allow multiple operations, like beveling and cutting in one operation, inside beveling, flange repair of flange facing. The clamshell pipe cutter is available from 3" - 57". The pipe cutter can do all kind of pipe weld preparation by use of different tools.

**Advantages**

The pipe cold cutting and beveling machine is designed in a compact way with aluminium alloy components, which give huge benefits to the enduser:

- Compact design for limited access on pipe and pipeline work
- Reduced weight for more ergonomic work
- Split frame technology for cold cut of endless metal pipes
- Designed for heavy wall pipes up to 80 mm WT

Developed with German universities our tool tip solutions for pipe cutting and beveling provide an outperforming result in pipe cutting technologies:

- High metal removal rate for cold cut and bevel
- More durable cutter, reduction of consumables
- Low cost of tool tips

The drives of the clamshell pipe cold cutter are a basic component of the pipe cutting machine. All motors are west european standard. An adapter allows easy exchange of all motor types and sizes (pneumatic, hydraulic):

- Modular design
- Easy exchange on-site
- Reduced investment
Innovation drives performance

TECHNICAL DATA
DLW pipe cold cutting machine

<table>
<thead>
<tr>
<th>Type No.</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
<th>G (mm)</th>
<th>H (mm)</th>
<th>I (mm)</th>
<th>weight (kg)</th>
<th>PIPE OD (mm)</th>
<th>max. WT (mm)</th>
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**Heavy Duty Version**

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<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
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<th>H (mm)</th>
<th>I (mm)</th>
<th>weight (kg)</th>
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</table>

Other sizes on request, wall-thickness and pipe OD also depend on material and selected cutting tools.

**Operations & Options DLW Cold Cutter**

**Field of application:**
- Radial pipe cold cutting
- Pipe beveling
- Simultaneous cutting & beveling
- Beveling both end in one operation
- Inside machining of pipe ends
- Flange facing
- Outside machining of weld seams

**All metal materials of pipe and pipeline:**
- Duplex
- Hastelloy
- Superduplex
- Stainless steel
- P91
- Carbon steel

**Options drive of pipe cold cutter:**
- Hydraulic Motor (recommended), power 11.000 W
- Pneumatic Motor up to DLW 12" OD, power 1.700 W (air consumption: 2,69 m³/min)
- Pneumatic Motor up to DLW 57" OD, power 3.000 W (air consumption: 3,10 m³/min)
- Electrical Motor (max. WT=10 mm) on request
SPECIAL EQUIPMENT

Inside Counterbore

**DLW-CB:**
Internal beveling device for calibration of inside diameter and inside boring of max. 200 mm depth, adjustable 0° - 25°.

Flange Facing

**DLW-FF:**
Flange facing device for DLW machines to regroove the flange surface, automatic feed mechanism to be used together with DLW-CB.
SPECIAL EQUIPMENT

Outside turning module

**DLW-ETM**

The external turning module DLW-ETM can be used for external machining of heavy wall steel pipes. External insulation of pipelines as well as overlapping weld seams can be removed.

**Travel:** 188mm  
**Feed depth:** 25mm (50mm with two steps)  
**Feeding speed:** 2mm / min

Spring Load Holder

**DLW-SLH**

The spring load holder DLW-SLH is used for pipe cold cutting and fast beveling of out-of-round pipes. The spring load holder provides a perfect beveling result for this application.

Deck Cutter

**Application:**

By using strong magnets and a special tool holder all DLW machines from 12 – 48 “ can be converted to a deck cutter. This is a portable machine which is able to cut big holes in heavy wall plates.

**How to operate:**

- Adjust the air motor pressure to lower setting for safety
- Adjust the feed rate as normally from the feed bracket knob
- After the cut is finished, cut-off piece will hang from the cut-off holder.
- After the cut is finished disengage magnets and lift up the complete system
APPLICATIONS AND OPTIONS
for DLW Pipe cold cutting machine

- Twin motor for extreme applications
- Removal of longitudinal weld seam
- Special feet for thin wall pipes
- DLW use on-site for gas pipeline contractors
- High productivity at P91 pipe
- High wall-thickness operations
- Angle gear for limited access on pipes and pipelines