

With major facilities in the UK, Germany, Africa and the UAE, as well as other locations around the globe, E H Wachs is the single source for the finest in pipe cutting, weld prep and valve technology equipment

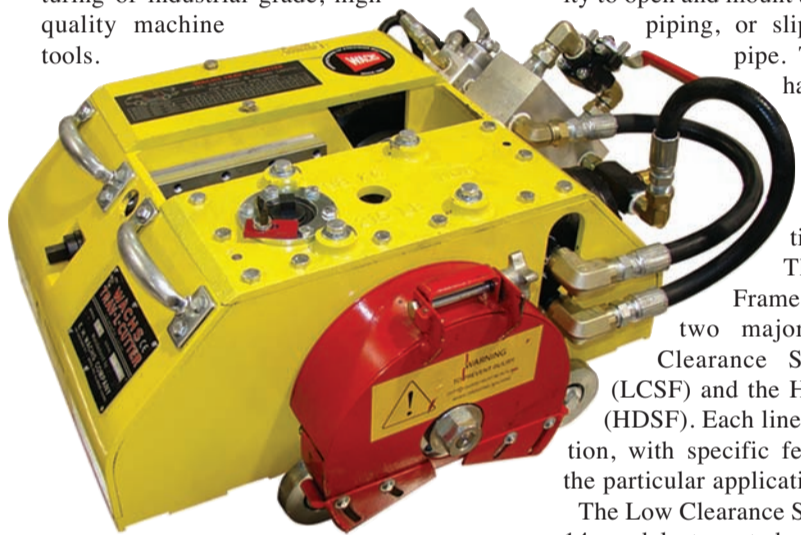
Maintaining product integrity through generations

FROM the maker of the Trav-L-Cutter, since 1883 E H Wachs Company's mission has remained the same: Superior equipment. Complete support.

It started 125 years ago with the ideas and entrepreneurial spirit of a young German engineer named Edward H Wachs.

From its founding in 1883, E H Wachs Company graduated quickly from steamfitting to manufacture of the Wachs Vertical Steam Engine. Two generations of the Wachs family saw the transition of the company from the steam age to the modern era.

This industrial Steam Age experience led to further innovations in the industrial pipe and valve industries, with a transition to manufacturing of industrial grade, high quality machine tools.



Trav-L-Cutter ... fast setup and operation

Realising the existing need to safely cut natural gas transmission lines, the third generation Edward H. Wachs III pioneered the first cold cutting pipe cutting machine. Today this machine is referred to as the Model E Trav-L-Cutter.

It revolutionised the pipe cutting industry by using a rotating milling type cutter that could cut most pipe diameters, while simultaneously providing a machined bevel ready for welding.

In addition to the Trav-L-Cutter, Wachs features Guillotine pipe saws including the Super C, Model D and the Super D, to its giant Goliath Guillotine.

These saws feature fast setup and operation, with the ability to cut most materials in virtually any position.

This range of saws, depending on the model, will cut from 50 mm (2") all the way to 813 mm (32"). The drive options include pneumatic, hydraulic and electric, with options for auto-clamping and feeding.

Today's increased awareness of safe and precise operation in hostile working environments, such as encountered in the oil and power industries, led to E H Wachs machine tool innovations utilising lathe-type technology. The Wachs Split Frame Pipe Cutters series offer safety and portability, and are now an increasingly attractive solution for cold cutting of pipe and casings.

Current wellhead designs require precision

casing cuts to assure proper wellhead installation, and close tolerance bevels on the outside diameter (O D) of the casings are needed to prevent damage to the critical seals.

Light weight, high tolerance, rugged and portable machining equipment is now a prerequisite.

E H Wachs Split Frame designs are superior because they can be mounted directly to the O D of the casing, and offer a lathe quality finish with the dimensional tolerances that in the past were only available from a stationary machine shop.

Split Frames are so named for their ability to be "split", or broken in half, then bolted back together in position. This gives them the ability to open and mount around the O D of inline piping, or slipped over open ended pipe. The Wachs Split Frames have been engineered to apply precise, consistent square cuts and bevels on pipe, tube and casing the first time, and every time.

The E H Wachs Split Frame lineup is divided into two major subcategories, Low Clearance Split Frame machines (LCSF) and the Heavy Duty Split Frame (HDSF). Each line is world class in operation, with specific features and benefits for the particular application.

The Low Clearance Split Frame line includes 14 models to cut, bevel and counterbore in tighter quarters. They can handle all pipe from 50 mm (2") up to 1200 mm (48"), depending on model. Able to cut on all wall thicknesses and alloys, the LCSF is ideal for all types of pipe cutting and end-prepping. Using a Wachs Split Frame is a safe, clean operation that neither affects the metallurgical qualities of the pipe nor places airborne contaminants into the environment.

The LCSF lineup features modular construction that allows interchangeability of tool slides and accessories between its various tool sizes. An adjustable bearing system distributes the load evenly, to ensure stability during the operation.

Wachs' full line of LCSFs are constructed with the latest in precision manufactured tool slides, to ensure absolute rigidity and a perfect cut.

The Heavy Duty Split Frame (HDSF) line is the most robust in the E H Wachs stable, built



The RS-2 Portable Valve Operator

for the heaviest jobs while still retaining field portability. The HDSF has the ability to sever, bevel, single point, and counterbore on face flanges.

This line of machines will fit pipe from 600 mm (24") and up. While some procedures require optional accessory kits, there is no bet-



Heavy Duty Split Frame (HDSF) line is the most robust in the E H Wachs' stable

ter solution to large pipe cutting than the Wachs HDSF.

A key contributor to the superior performance of Wachs cutting and bevelling machines is the quality of its tooling.

CAD/CAM designed and precisely engineered and fabricated with super high-strength materials, Wachs tooling is designed for today's higher speed, heavier feed rate and exotic materials. The result is precise cuts, longer tool life and maximum productivity.

In addition to the company's extensive line of pipe cutting and weld prep machines, an important part of its business is its full line of portable and vehicular mounted valve operators and exercisers.

These range in size from the compact Pow-R-Drive 2 and multi-functional RS-2 Portable Valve Operator, to the mighty vehicular mounted ERV-750.

The E H Wachs lineup of valve operators (turners) and exercisers are available with its industry leading VITALS software.

VITALS is an acronym for Valve Information Tracking And Logging Systems. With VITALS, you can log critical information on valve performance and position at the valve

itself. VITALS is available for handheld and vehicular mount Wachs Automated Valve Equipment (WAVE).

The Pow-R-Drive 2 handheld operator offers increased productivity, user safety and valve protection. It's perfect for hard to reach valves, valve exercising and fast shutdowns, delivering controlled power to operate valves 155 mm (6") and up. It's lightweight and more powerful than any other machine of its kind. Able to be operated by a single person, it sets up in seconds and offers unparalleled functionality.

The RS-2 Portable Valve Operator for rising and non-rising stem valves delivers up to 185Nm (800 lb-ft) of torque, and up to 55 rpm for fast, reliable opening and closing. This tool finds many applications in the exercising and operation of valves for the water, wastewater, pipeline and petro-chemical industries.

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Available in hydraulic, pneumatic or electric drive, the Wachs RS-2 will operate all rising and non-rising stem valves from 155 mm (6") to 1525 mm (60").

It features forward and reverse operation, variable speed control, a built in easy view LCD counter, and will mount to any hand-wheel with its Universal Handwheel Adaptor. A high quality, rugged machine tool is critical, but so too is the ability to quickly deliver parts and service to virtually any corner of the globe.

That responsibility is taken seriously at E H Wachs, with on and off site technical support, equipment rental and 125 years of experience to assure that its clients get these complex jobs done safely, efficiently and on time.

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