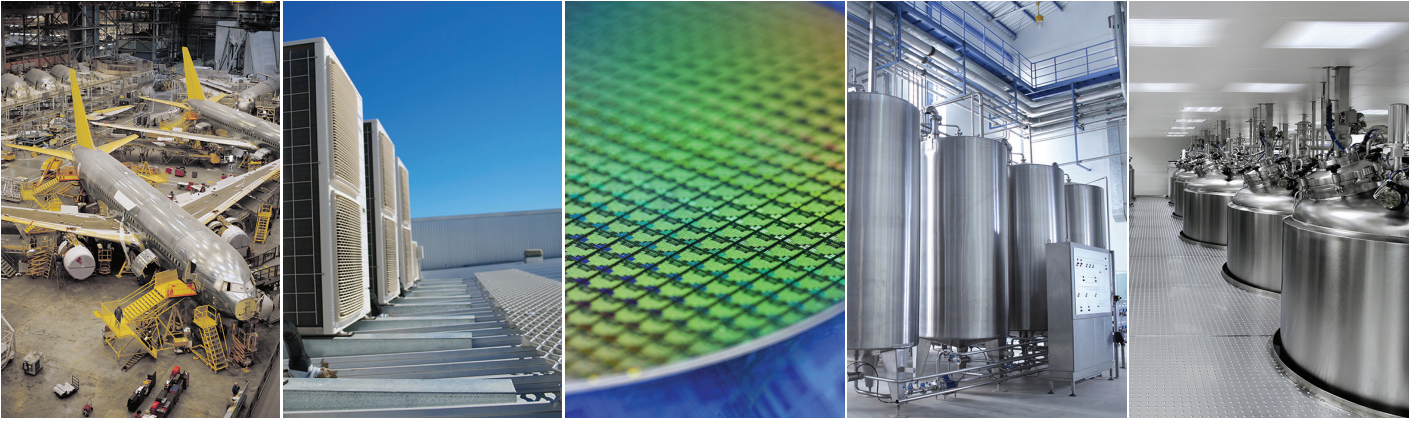


ONE SOURCE FOR THE FINEST IN PIPE & TUBE CUTTING, BEVELING AND ORBITAL WELDING





Orbitalum pipe cutting & beveling machines GF/GFX/PS

ITW Orbital Cutting & Welding manufactures the world's most complete line of portable, powered tube and pipe cutting, facing and beveling weld preparation machine tools. In addition we build a complete line of advanced orbital welding systems used in high-purity, process piping and specialized heat exchanger applications. Regardless of whether you want to prepare large, small, thin-walled or thick-walled, high-alloyed or low-alloyed tubes and pipes, we can certainly offer you a suitable solution.

CUTTING PRODUCTS

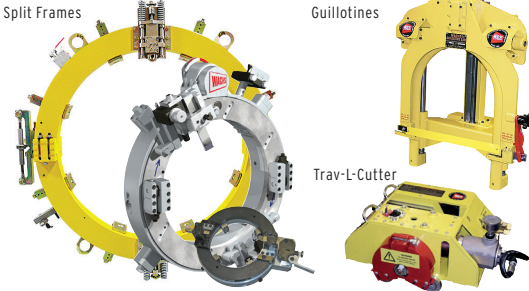
The **Orbitalum saws** have been designed for precise cutting and beveling of tubes and pipes in just seconds. For more than 40 years construction companies rely on the standard set by Orbitalum in the industrial prefabrication of pipeline systems. The **GF/GFX range** for example, cuts and bevels high-alloy steels, low- and unalloyed steels, plastics, casting materials and non-ferrous metals easily in just seconds, using the "Planetary Cutting" method. For tube O.D.'s ranging from 6 - 508 mm (0.236" - 20") and wall thicknesses up to 15 mm (0.59") - depending on material. The perfect preparation for orbital welding!

The E.H. Wachs **Split Frames** are the world's most versatile and comprehensive line of clamshell style **portable pipe cutting and beveling machine tools** on the market today. Designed to cut, bevel, single point, counterbore and face flanges on pipe and tubing ranging from 0.5" - 84" O.D. (DN15-2100) on most wall thicknesses and materials, Wachs has a split frame to fit most size pipe, tube or vessels. The split frames are named for their ability to split in half at the frame, or "break open" and bolt back together again. This allows them to open and mount around the O.D. of inline piping, or they can be slipped closed over open ended pipe. All Wachs split frames are built to last a lifetime and engineered to apply precise, consistently square cuts and bevels the first time, every time.

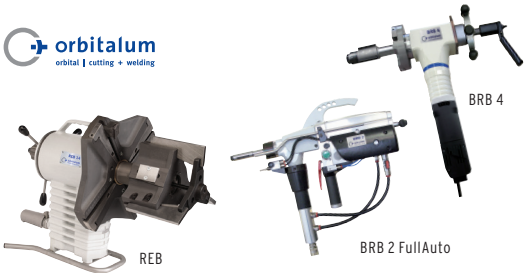
BEVELING PRODUCTS

Powerful and robust **pipe end prep machines** from Orbitalum, e.g. the **BRB range** is developed for applications with the lowest space availability, makes precise welding preparations possible using optimal torque, together with low weight. The solution when space is limited! The compact body design of the BRB machines is optimized for the application in question to provide the operator with the best possible access in every position and is therefore the best solution for pipe end and tube sheet joint preparations in boiler, tank and apparatus construction.

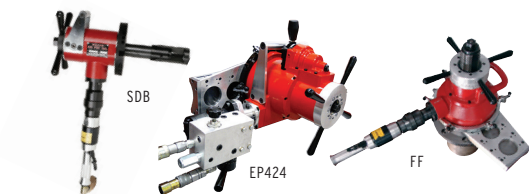
E.H. Wachs **end prep bevelers**, such as the **EP424** with the Speed Prep auto feed system are precision I.D. mount end prep machine tools designed to bevel, compound bevel, J prep, face and counterbore pipe, fittings and valves. Utilizing a revolutionary mechanism that feeds simultaneously in the axial and radial planes,



E.H. WACHS portable cutting & beveling machines



Orbitalum pipe end prep machines





the Speed Prep EP 424 is simple to use, even for an inexperienced operator. It is powerful enough to form tool from 4" to 16" (DN 100-400) through schedule 160, and will single point from 4" to 24" (DN 100-600) up to a 6.5" (165 mm) wall thickness.

WELDING PRODUCTS

Orbitalum **ORBIMAT CA compact power supplies** for mechanized TIG orbital welding with a currently unique operating concept and a whole series of other special technical features. In connection with an ORBITALUM orbital weld head, the user is being offered an extremely innovative and economical welding system.

Easier to handle, more economical, more effective - **enclosed TIG orbital welding heads** with outstanding characteristics: The Orbitalum **ORBIWELD** series convinces by its extremely narrow design and high durability by its efficient integrated water cooling system.

Enclosed orbital weld head HX: "HX" stands for heat exchanger and for the welding of pre-mounted elbows in tight pipe bundles of heat exchangers into a pipe coil. At present, there is no other solution as effective as this one in the world!

The **open orbital weld head series ORBIWELD TP** offers outstanding features in terms of design and functionality: An extremely compact design has been achieved thanks to the drive motor that is fully integrated into the housing. The drive concept has made the well-known large and costly drives associated with conventional weld heads unnecessary.

Tube-to-tube-sheet orbital weld heads: Our **"P"** heads are characterized by special design features intended to ensure easy handling combined with a high level of economy and functionality. With extreme precision, these tube-to-tube-sheet orbital weld heads will produce several thousand weld seams at constant quality.



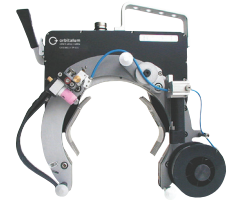
Orbimat CA series



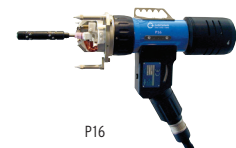
ORBIWELD series



HX



ORBIWELD TP series



P16

ABOUT US

For more than 40 years construction companies rely on the standard in the industrial prefabrication of pipeline systems set by the market leader Orbitalum.

Orbitalum Tools based in Singen, Germany and E.H. Wachs based in Lincolnshire, Illinois, USA are operating jointly as **ITW Orbital Cutting & Welding** (ITW OCV), a division of the US industrial group ITW.

Orbitalum Tools is a global leader in providing complete solutions for the industrial prefabrication, installation and maintenance of pipeline systems - for everything from cutting pipes and preparing weld seams to orbital welding for process and plant engineering.

E.H. Wachs has established itself in many industries, for example, in the oil and gas industry, the chemical industry and in pipeline and ship construction and manufactures the world's most complete line of portable weld prep machine

tools, valve operators and high-purity machining equipment used for cutting, beveling, counterboring and facing on tube, pipe and vessels.

ITW (Illinois Tool Works, www.itw.com) is a US Fortune 200 global industrial manufacturer of consumables, specialty equipment and related service businesses headquartered in Glenview, Illinois. ITW Orbital Cutting & Welding is part of the ITW Welding Group, which is world market leader in welding products (e.g. MILLER ELECTRIC, HOBART BROTHERS).

When you partner with us you're not only partnering with the industry leader in portable weld preparation machine tools and orbital welding systems, you're partnering with ITW, the industry leader in advanced welding technologies. As ITW OCV we provide an almost unique product availability, a worldwide customer service and technical support as well as a sales network at local level.

A partnership with ITW OCV involves:

- Acclaimed state-of-the-art technology, competent contact partners
- Fast, comprehensive delivery service
- Reliable product support
- Large stocks at local level
- Comprehensive OEM spare parts and consumables
- Strategically ideal located sales locations, service and rental centers
- Excellently factory-trained and certified technicians
- Practical trainings - at our site or at your location
- Certified company

ITW Orbital Cutting & Welding continues the Orbitalum and E.H. WACHS tradition of offering world class products, combined with exceptional service and support, to keep ITW-OCW the supplier of choice for tools used to cut - prep - weld - all from one source.

The ITW ORBITAL CUTTING & WELDING group provides global customers one source for the finest in pipe & tube cutting, beveling and orbital welding products.

For more information about us www.itw-ocw.com

Orbital cutting, beveling and welding machines for high-purity process piping.

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Portable weld prep machine tools for industrial applications.

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Certified according to ISO 9001



Authorized Economic Operator (AEO)



Certified according to ISO 9001

worldwide | sales + service

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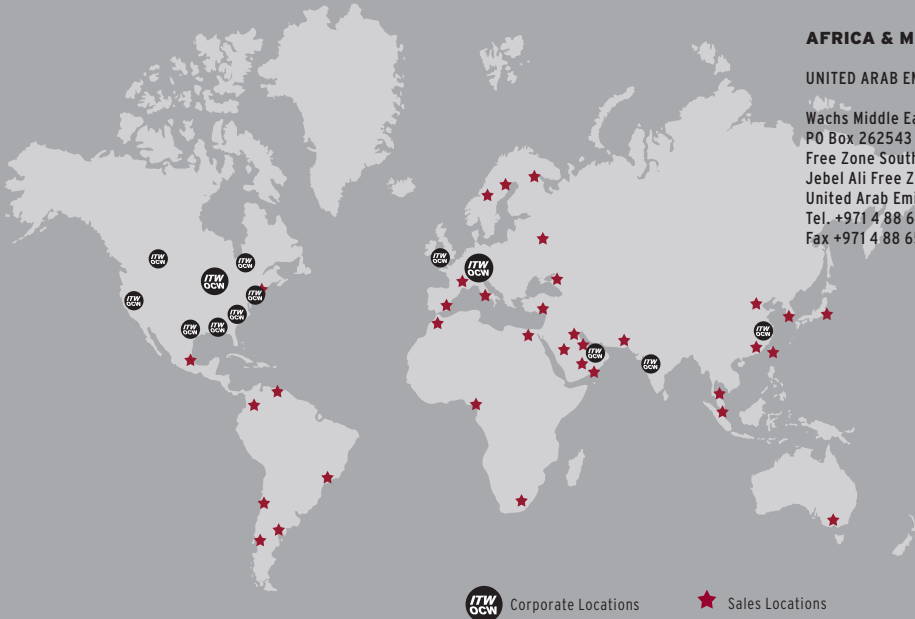
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★ Sales Locations

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