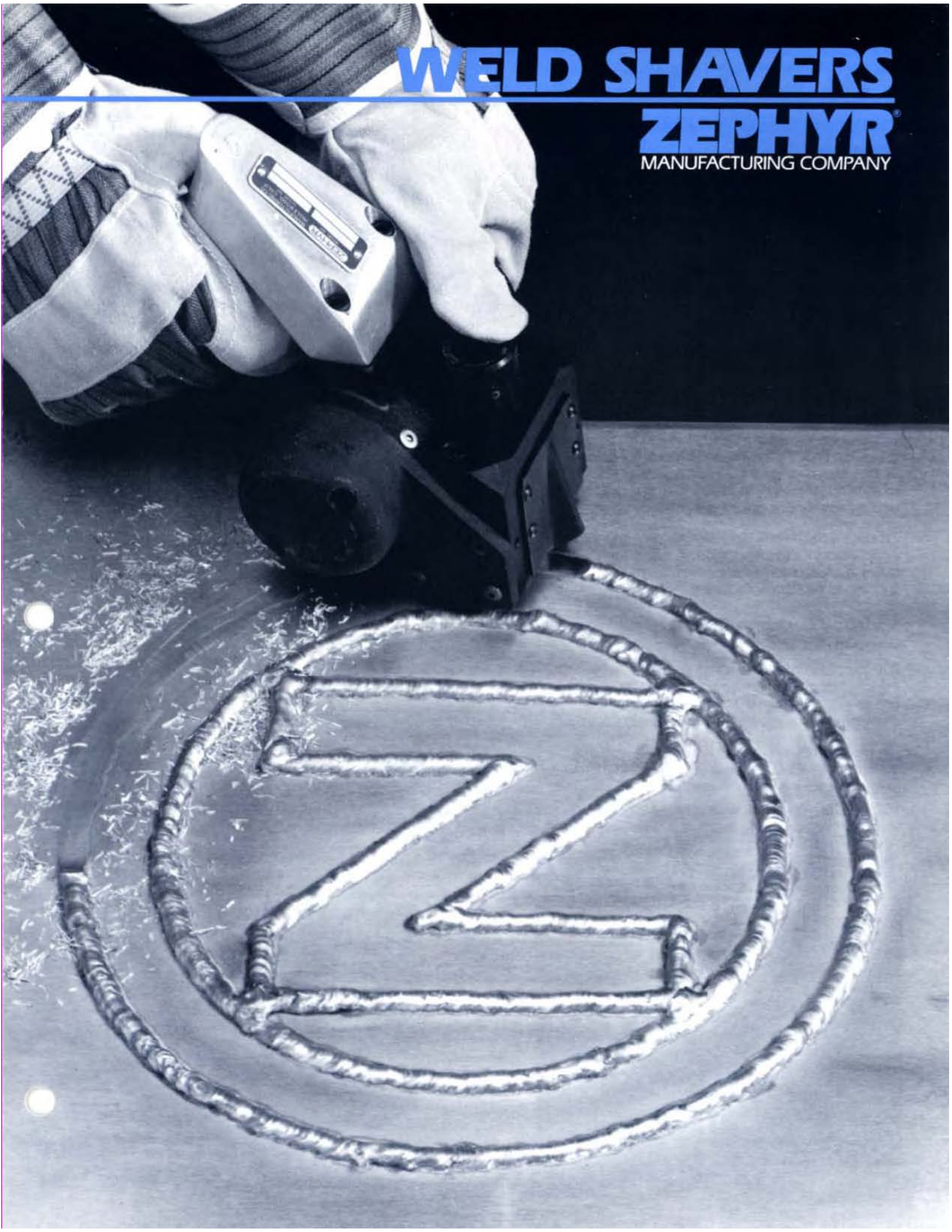

WELD SHAVERS
ZEPHYR
MANUFACTURING COMPANY

Remove welds in one step instead of three.

The old method was a grind. And with chipping and sanding, it was also a costly, time consuming, three-stage process. But now, with Zephyr Z-Mill™ Pneumatic Weld Shavers, you can remove a weld bead in just one pass.

A Zephyr Weld Shaver will remove a weld bead up to ten times faster than a hand held grinder. Because we've combined three steps into one, you save more than time. You save money.

Aluminum, titanium, exotic metals, and more.

Born in the aerospace industry, we understand specialized materials. That's why we've designed our Weld Shavers to be precision milling tools. You can set them for the depth of shaving you need—something that would be unthinkable with a hand held grinder.

Zephyr Weld Shavers have already proven themselves in application after application: in naval shipyards, in trailer manufacturing plants, even in the facilities of specialized tank manufacturers.

Satisfied customers in your industry.

Builders of electrical and computer cabinetry, refrigeration equipment, and truck and trailer bodies are just a few of the types of companies enjoying the advantages of Zephyr Weld Shavers.

We have complete case studies of Weld Shaver applications by firms like yours. Ask your Zephyr representative for an example in your area of interest.

Then see for yourself how Zephyr Z-Mill™ Weld Shavers will improve your weld finish as well as your bottom line.

ZT708 & ZT709

STANDARD DUTY WELD SHAVERS

Remove stainless steel or titanium weld beads with the ZT708. Remove aluminum, copper, magnesium, or other non-ferrous metal weld beads with the ZT709.

Both are portable air-powered tools designed to shave weld beads to a pre-determined height—above, below, or flush to the surface. Each can solve special requirements such as burr removal, beveling, and working at angles or in close quarters. Grooving is accomplished with the ZT709 aluminum shaver only. No matter what your application, these Weld Shavers will perform with precision, giving you a smooth finished surface in less time than ever before.

Here's how they work: two adjustable ball bearing rollers straddle the weld bead, centering the cutter over the weld. The ball bearings keep the cutter at a constant height on any surface, whether flat, convex, or concave.

You have absolute control over the cutter height and can make adjustments in increments of 0.001 inch. You also can select a variety of cutter widths. The different cutter widths require a different roller bracket shaft assembly, each one of which can be rapidly removed when changing or re-sharpening the cutters. This ensures rapid turn-around time on the job. Both Weld Shavers are designed to have the exhaust air blow chips from the work area and cool the cutter.

The ZT708 will shave a maximum weld bead of .030" high by 7/8" wide in one pass. Cutters are slab type, and available in widths of 3/8" to 1" with a chip breaker, or 3/8" to 1/2" without chip breaker.

The ZT709 will shave a maximum bead of 0.125" high by 7/8" wide. Cutters are slab type, and are available in widths of 3/8" to 3/4" in high speed steel; 3/8" to 1" in carbide; and grooving cutters of 1/2" in 60°, 75°, and 88° angles. Grooving aluminum is now a faster process. The grooving cutter can be used to remove a poor weldment that does not have deep roots, which saves the work piece for a re-weld.

Please see our Specification Sheet for complete details.

OUTRIGGER & BEVEL ATTACHMENTS

Right hand and left hand outrigger attachments enable you to remove corner fillets or radius welds which are adjacent to 90° plates, walls, or structures. You can shave a 90° weld to 9/64" with a standard slab cutter 3/4" wide. Perform flush cutting with a side recessed 1" cutter. A radius fillet weld finish can be achieved with a side recessed edge radius cutter.

The standard attachment is manually adjusted for depth control without requiring any basic modification of the Weld Shaver. Optional mechanically controlled outriggers are also available to micro-adjust depth and distance from a side plate or wall surface.

The bevel attachment is designed for two jobs: to bevel or chamfer plates prior to welding, and to bevel or chamfer edges of aluminum and stainless steel. A right hand and left hand bevel attachment is available with a standard 60° slide.

ZT550 & ZT553

LIGHT DUTY WELD SHAVERS

Both of these Weld Shavers are designed for light duty close-quarters work. The ZT550 shaves aluminum weld beads and grooves aluminum plates. The ZT553 shaves stainless steel weld beads and is therefore slightly larger and heavier.

Adjustable ball bearing rollers straddle the weld bead with the cutter rotating in between. You can shave a weld bead parallel to a flat, concave, or convex work surface. In precise applications, the positive micro-stop adjustment controls cutting depth in 0.0005 inch increments.

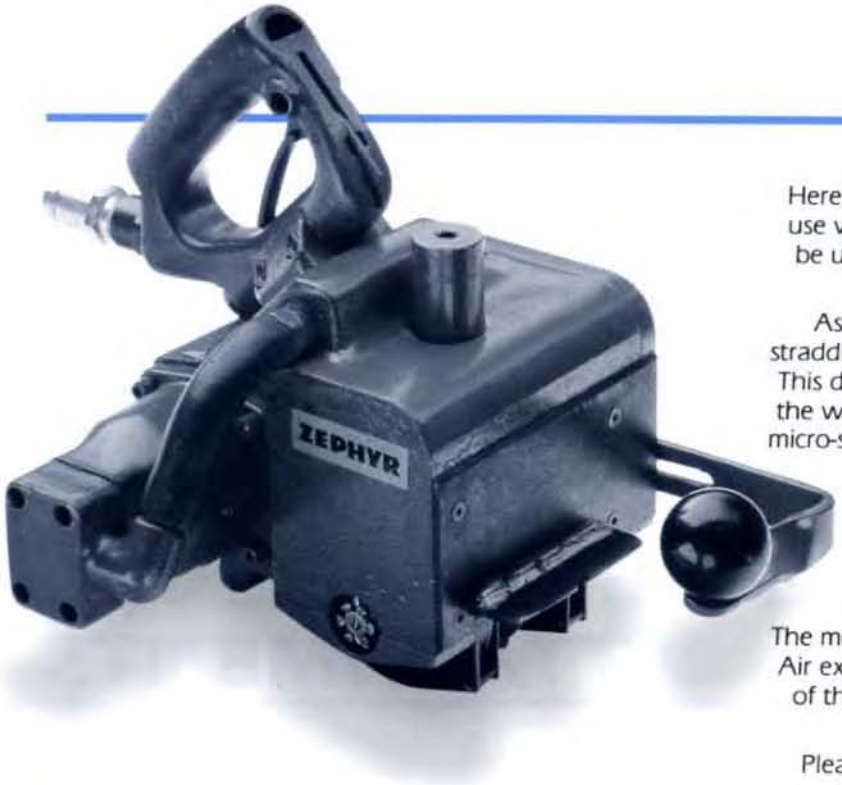
Slab cutters for shaving weld beads are available in 3/8" to 1/2" wide in high speed steel and 1/4" to 1/2" wide in carbide. Grooving cutters are available in high speed steel, 3/8" wide, in 40° and 60° angles.

Each cutter width requires a different roller bracket shaft assembly which is easily removed to change or re-sharpen the cutters. The exhaust air serves a dual purpose: blowing chips away from the work area and cooling the cutter.

Please refer to our Specification Sheet for more detailed information.

ZT501

HEAVY DUTY WELD SHAVER



Here is a portable milling machine designed for heavy duty use with aluminum, magnesium, and copper. This tool may be used in three ways: to shave weld beads, as a slab mill, and to groove non-ferrous metals.

As in all our Weld Shavers, the ball bearing roller bracket straddles the weld bead with the cutter rotating in between. This design ensures that the weld bead is shaved tangent to the work surface, whether flat, concave, or convex. Positive micro-stop adjustment of the cutter is calibrated in 0.001 inch increments, permitting a shave of a pre-determined height or flush with the work surface.

Slab cutter widths are 3/4" to 2", while the grooving cutters are 1 1/2" wide for 60° or 1 5/8" wide for 70° to a depth of 1 1/16".

The motor is governor controlled to assure a constant speed. Air exhaust blows away chips and controls the temperature of the cutter. The roller bracket assembly is easily removed, enabling you to rapidly replace the cutter.

Please consult our Specification Sheet for complete details.

SAFETY

Zephyr products are designed to be safe under proper working conditions. Be sure that you know the proper way to use a tool before working with it. We recommend the wearing of eye protection when using any hand tool or machine shop tool.

Keep your tools clean, lubricated, inspect them from time to time, and replace worn or damaged tools. The nominal cost will be more than offset by the reduction in mistakes and the savings on rework.

ZEPHYR® TOOL

ZEPHYR® Manufacturing Co., Inc.
Your first source
201 Hindry Avenue
Inglewood, CA 90301-1519
TEL. 310-410-4907 • FAX 310-410-2913
zephyr@zephyrtool.com
http://www.zephyrtool.com

INDUSTRIAL DISTRIBUTORS

STAFDA ASSOCIATE

Printed in USA 9-01 1M