

# THE HUMAN FACTOR: IT ALL ADDS UP WITH WHITNEY



## YOU GET THE RIGHT MACHINE.

As a full-line maker of laser, plasma punch combination, and plasma machines, Whitney can advise you objectively which type of equipment best meets your needs. Whether you're cutting, bending, or punching, our productivity engineers study your situation to pinpoint the most effective equipment, specs and processes. Then we test your scenario on a variety of equipment to find the best solution. If that solution involves laser cutting, Whitney lasers offer a wide choice of cutting speeds, laser power levels and table sizes to meet every customer's specific requirements.

## FAST INSTALLATION.

Whitney gets you up and running in days—not weeks.

## INTUITIVE AND EASY TO USE.

Your operators become efficient quickly thanks to Whitney's state-of-the-art, user-friendly controls.

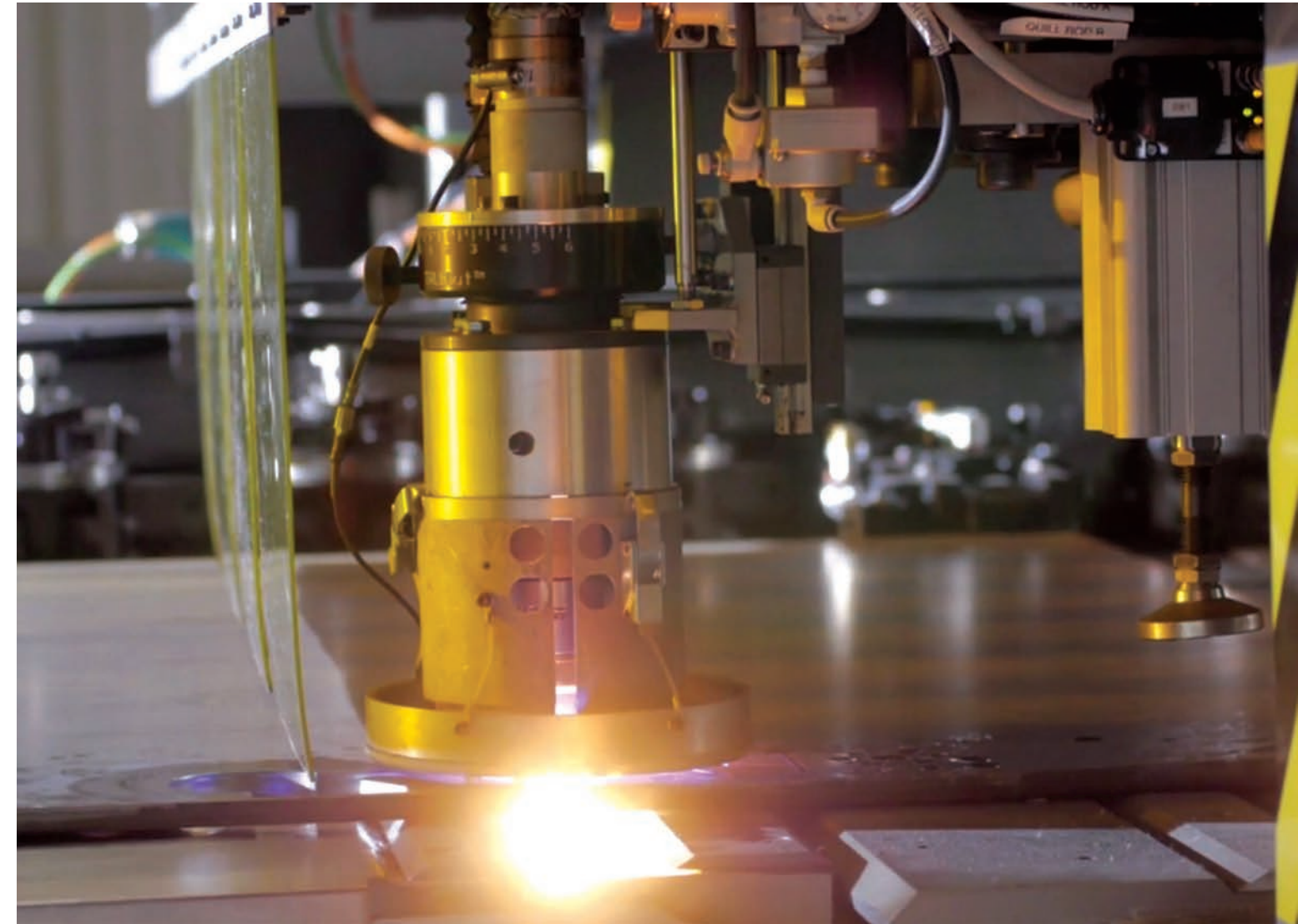
## USA-BASED PARTS, SERVICE AND SUPPORT.

Whitney punch plasma combination machines are made and supported in the USA, so you can expect fast parts and service. All backed by the Whitney Promise™ —our commitment to provide quality and service that keeps your business up and running.



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## WHITNEY PUNCH PLASMA COMBINATION



# FASTER PARTS. GREATER PROFITS.





# MORE PARTS PER HOUR ★ PERIOD. ★

Producing complex, thick parts with multiple steps can take a lot of time when done on a series of machines. That's why fabricators worldwide turn to Whitney Punch Plasma Combination machines to produce three times as many parts per day, at one third the cost.

Even as laser technology advances to cut thicker parts faster, the Whitney combination consistently beats lasers, plasma machines, and water jet machines when it comes to ROI. Our Punch Plasma Combination will put more parts on the floor at the end of the day in steel, stainless steel, and aluminum, than any other process.

## ACCOMPLISH MULTIPLE PROCESSES AT ONCE

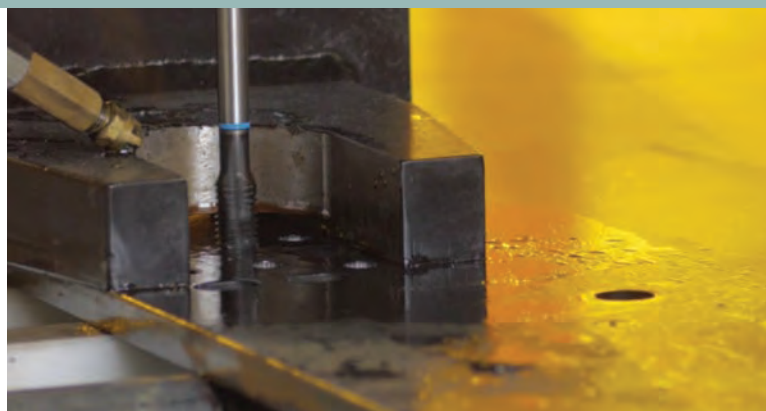
- Forming and embossing
- Countersinks and plow bolts
- Drilling
- Plow-Bolting
- Tapping
- Louvering
- Milling
- Lance and Form
- Bevel-cutting
- Blanking
- Ink jet marking



## THE THICKER THE MATERIAL, THE GREATER THE RETURN.

### Save time with smart handling

With automated material handling and part removal, a Whitney combination machine can keep making parts while automatically conveying parts to the operator. No muss, no fuss.



## FROM INVENTION TO INNOVATION, NO ONE KNOWS PUNCH PLASMA COMBINATION MACHINES LIKE WHITNEY

For more than 100 years, we've been on a mission to help fabricators shave time and cost from their processes. The punch plasma machine was born from this innovative spirit over 30 years ago, and since that time we've refined the machine and tooling to give you the best production ROI possible.

## 10 HIGHLY-PRODUCTIVE ADVANTAGES

Whitney combination machines are packed with industry-leading technology to transform your production process.



**1. NO WARPED OR MISSHAPEN PARTS** The punching cylinders on our Whitney combination machine are fully hydraulic. Our **REACTIVE STRIPPING** process actually grips the material, and push and pull it through the material, leaving your parts flat and highly accurate. Many of our competitors use a turret style machine, which actually hammers the parts through the material. This can leave your parts warped or misshapen, leaving you with the hours and expense of rework.

**2. BETTER EDGE QUALITY** Our counter-balanced cutting head rides on the surface of the material following the contour of the plate, keeping the distance precise throughout the cutting process.

**3. INSTANT REMOVAL OF FINISHED PARTS** When the part is finished it goes through the drop door, and sensors indicate that the part has been completely removed. That's a big benefit to Whitney users, because once a part is complete, it's immediately available for other operations, and the combination machine can continue making more parts.

**4. ELIMINATE DOWNSTREAM PROCESSES** The 10hp or 30hp Servo Drilling System is a great option if your parts have drilled, tapped, or countersunk holes. This feature integrates your drilling operations to greatly increase efficiency and reduce costs.

**5. ALL THE TOOLS YOU NEED** Whitney's Automatic Tool Changer opens wide - up to 2-1/2" - so that high forms or non-flat sheets can be run reliably. The Tool Caddy can add 21 additional tools to make our combination machines even more productive.

**6. ABILITY TO RUN LONG PARTS** The Whitney combination machines only move the plate in one direction, while the machine moves over the plate in the other. This means that our machines can run very long parts-up to 24 feet. Because of Whitney's unique design, we can run these parts with a large clamp spread and never torque the X-axis. The result is longer parts that are more accurate.

**7. THE PLATE IS ALWAYS IN PLACE** When you're running parts that are longer than the axis of the machine, the Whitney combination machine has an automatic repositioning system. Cylinders come down and hold the plate, the work clamps release, move to a new location, and re-grip the sheet. This allows you to run twice the length of the X-axis, meaning you don't need to invest in a larger, longer machine just because you have a part that needs it. The Whitney combination machine can handle it all.

**8. EASY-CLEAN SLAG CHAMBER** Because the Whitney combination machine only moves the plate in one direction and the machine in the other, we can capture all your slag material in a chamber underneath the cutting-head. This keeps the cutting area clean, and your shop stays free of smoke.

**9. NEVER MIX UP PARTS AGAIN** Many parts can look very similar and be difficult to identify for internal use. The Whitney ink-jet marking system can alleviate this problem by putting identifying numbers on parts as they come off the machine. This system can do alpha and numeric characters, as well as graphics anywhere on the plate.

**10. DO MORE IN FEWER STEPS** In other machines, forming processes like counter-sinking would have to be done with a cutting tool. Whitney combination machines first punch a hole, then use a special tool and form that counter-sink around the pilot. Our machines can make consistent counter-sinks very quickly. We can also do plow-bolt holes, louvering, lance and form, half-shear forms, and any type of form you can do on a turret press.