



Waste Gas Steel Fabrication Uses Whitney 3400 XP

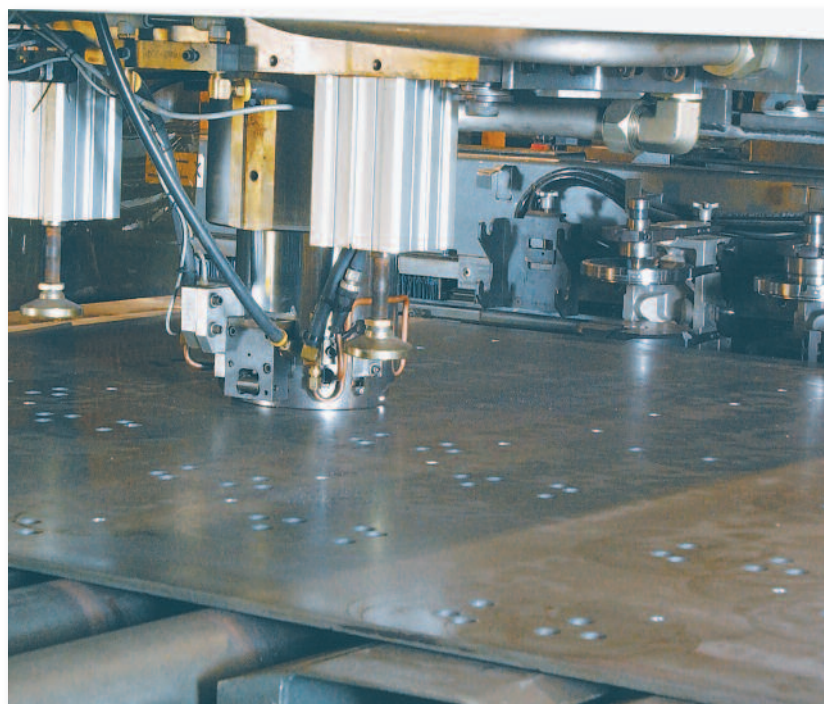
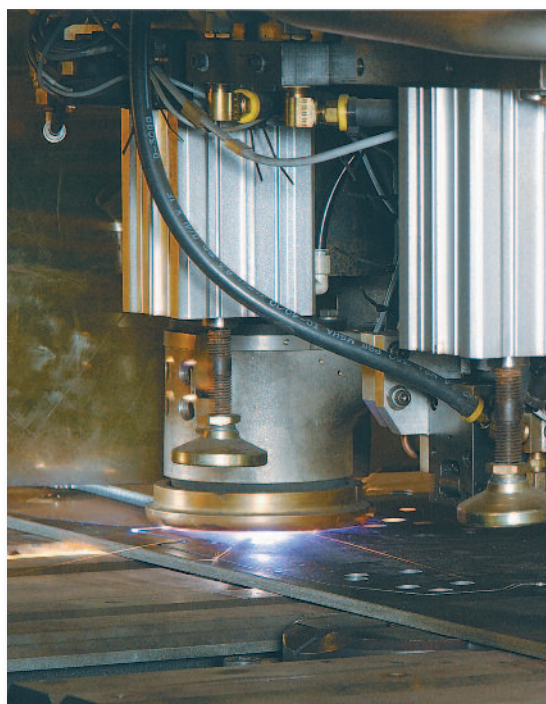
Waste Gas Steel Fabrication is a metal fabricator located in Fairless Hills, Pennsylvania (USA). Kyle Cloman, president and owner, has worked in the business as a welder when he was in high school. Now that he is the owner, Mr. Cloman has invested heavily in new equipment.

A Whitney 3400 XP with automation was purchased in 2003. This combination punching and plasma cutting machine and integrated material handling equipment was purchased to fill a productivity gap between their laser-cutting machine and large plasma-cutting tables, and their machining operations. Mr. Cloman saw the opportunity to produce parts in one operation rather than two, saving time and reducing the production costs. These savings could be passed on to his customers.

Waste Gas Steel Fabrication 公司使用 维特尼 3400 XP

Waste Gas Steel Fabrication 是一家位于美国宾夕法尼亚州费尔利斯希爾的金属加工商。該公司總裁即企業主 Kyle Cloman 在上初中時便作為焊接工進入這一行業。如今，作為公司的擁有者，Cloman 先生非常注重投資新設備。

公司在 2003 年添置了自動化的維特尼 3400 XP。為了彌補該公司激光切割機與大型等離子切割台及其加工工序之間的產能空缺，公司購買了這台沖壓與等離子復合切割機及其集成式物料輸送設備。Cloman 先生從中看到了通過一步操作（取代原來的兩步操作）來生產零件的機遇，這不僅節約時間，還能降低生產成本。而這些成本節省將最終使其客戶受益。





On the Whitney 3400 XP, the production cycle is automatic and complete. Raw steel is loaded and positioned by the PartHANDLER-II automation system. Parts are punched and plasma cut by the 3400 XP. Small finished parts are removed automatically using a drop door; larger parts are off-loaded by the PartHANDLER-II using programmable magnets. A large drop table removes the completed skeletons while production continues, uninterrupted, on the next plate.

Tony Martelli, Operations Manager, is very pleased with the edge quality as well as the increased production speed. Waste Gas is finding that the plasma-cut is "90 percent" as good as what they get from their laser and considerably better than the cut from their plasma burning tables.

Parts that used to be cut on the laser or plasma machine, then moved to a machining center for the internal features, are now cut and punched in one step on the 3400 XP. "A lot of the parts can go on the Whitney and be produced in half the time as the laser," says Mr. Cloman. "And the savings is substantial when we compare the low hourly rate to run the Whitney to the big laser. The Whitney machine allowed us to go back to some of our customers and give them cost cuts they had been asking for," he adds.

维特尼 3400 XP 可实现自动化的完整的生产周期。通过 PartHANDLER-II 自动化系统上载和定位原材料，采用 3400 XP 冲压和等离子切割零件。小型成品零件通过升降门被自动移除；大型零件由 PartHANDLER-II 采用可编程电磁块来卸载。此外，机器通过一个大型落车台来移除加工后的残料，与此同时机器还能继续生产，而无需中断生产。

营运经理 Tony Martelli 对边缘质量和激增的生产速度非常满意。Waste Gas 公司发现，这台等离子切割机，效果等同于激光切割的 "90%"，且比原来的等离子燃烧系统的切割效果要好得多。

以前，零件要先在激光或等离子切割机上切割，然后移至加工中心加工内部特征，如今在 3400 XP 上可一步完成切割和冲压操作。“维特尼机器可同时容纳多个零件，生产时间只需激光切割机的一半。” Cloman 先生如是说道，并且他还补充说：“对比维特尼机器与每小时速率较低的大型激光切割机，我们发现前者能大幅节约时间。维特尼机器为我们赢得了许多客户，过去这些客户一直要求我们能帮助他们削减成本。”

Whitney

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