



POWERMAX SYNC BEATS OXYFUEL

When it comes to cutting metal, two widely used thermal processes are oxyfuel and air plasma. While oxyfuel is a proven method, Hypertherm's Powermax SYNC® air plasma systems, featuring a revolutionary cartridge consumable platform and automated process set-up, provide many significant advantages, making it the smarter choice for a variety of cutting situations. Here are 10 reasons why plasma cutting with Powermax SYNC is more effective, versatile, and provides more value to your cutting operation.



1. Easier to use

Single-piece, color-coded cartridge consumable simplifies inventory and reduces operator errors and training time.



2. Automated process set-up

Advanced torch communication sets correct amperage and operating mode, eliminating setup errors.



3. Reduces downtime

Convenient controls right on the new SmartSYNC® torch make it easy to adjust your amperage and change consumables without returning to the power supply.



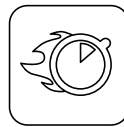
4. Cutting performance data

Available cartridge reader pairs with Powermax SYNC smartphone app to track and analyze utilization data such as starts, transfers, and arc-on time.



5. Better cut quality

Plasma cuts have less dross, less warping, and a smaller heat-affected zone than with oxyfuel. With Powermax SYNC and its cartridge consumables, components wear at the same rate, improving cut quality.



6. Cuts more parts faster

With significantly faster cut speeds, Powermax SYNC plasma outperforms oxyfuel even before you consider oxyfuel's necessary preheat time and secondary operations.



7. Increases productivity

With operating costs spread over more parts per hour, and less time spent on secondary operations, you have a lower cost-per-part, resulting in increased profitability.



8. Maximizes flexibility

Unlike oxyfuel, Powermax SYNC can cut non-ferrous metals like aluminum, stainless, copper, and any other conductive metals either by hand, with a track or pipe cutter, or on an X-Y table. It can even cut stacked metal, metal grate, or even rusty or painted pieces.



9. Uses only air for improved safety

No flammable gases required. With Powermax SYNC systems, compressed air is the only gas you need. The most popular fuel gas for oxyfuel is acetylene, a highly flammable and unstable gas.



10. Powermax reliability

Powermax® plasma systems are renowned for their robustness, and are designed for use in rugged, industrial environments. The next-generation Powermax SYNC features additional SpringStart™ technology that ensures consistent starts and increased torch reliability.

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