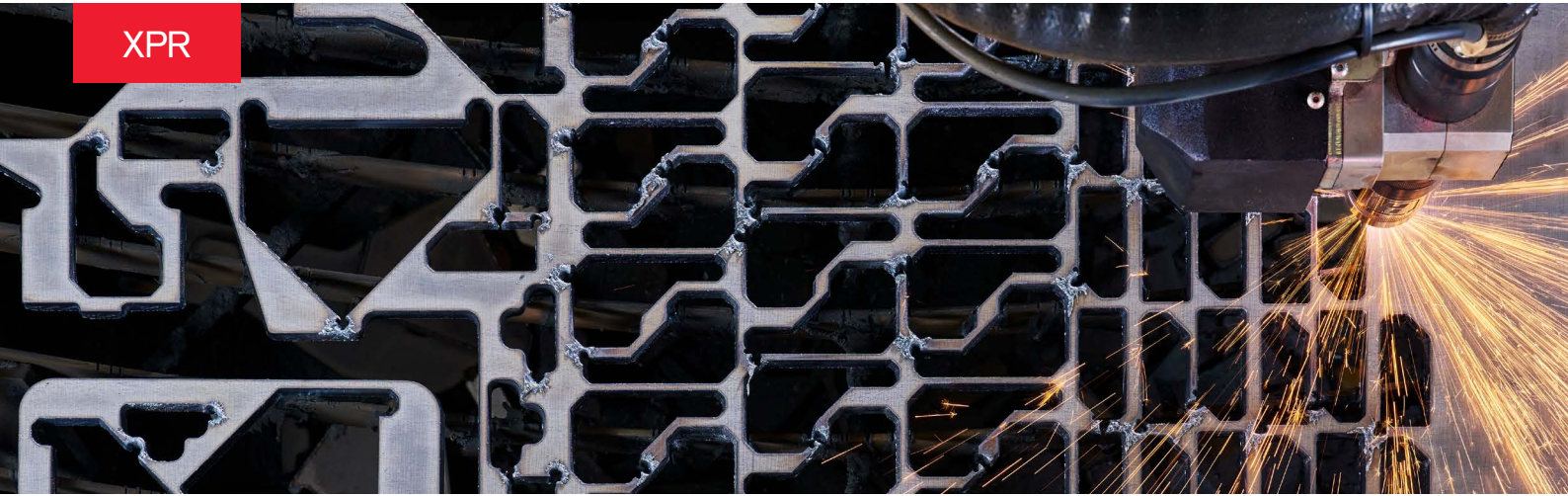


XPR



PlateSaver™ technology

As part of Hypertherm's SureCut™ technology, PlateSaver provides a significant increase in plate savings and profitability.

The enhanced arc stability feature of XPR™ X-Definition® plasma quickly stabilizes the plasma torch arc and allows for shorter lead lengths and closer placement of parts.

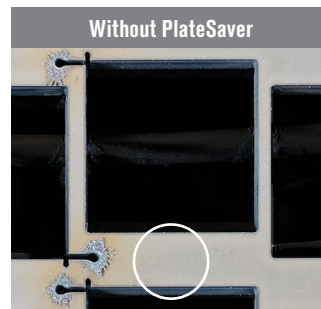
PlateSaver technology introduces new, specialty leads to the CAM software when programming jobs for machines equipped with XPR. It adjusts lead size, style, location, and uses a moving pierce to minimize part separations while at the same time maintaining part quality.

Primary benefit

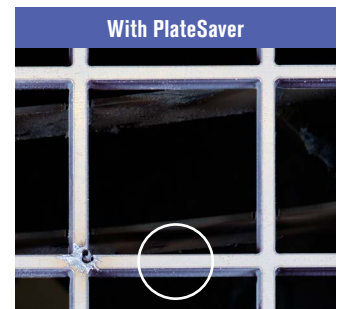
- Lower cost-per-part due to increased material utilization

Other benefits may include

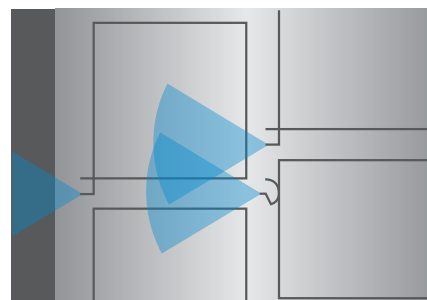
- Less time spent loading and unloading plate
- Reduced inventory and inventory management
- Reduced carbon footprint through the use of less steel



Traditional leads require more space between parts.



Specialty leads minimize part separations.



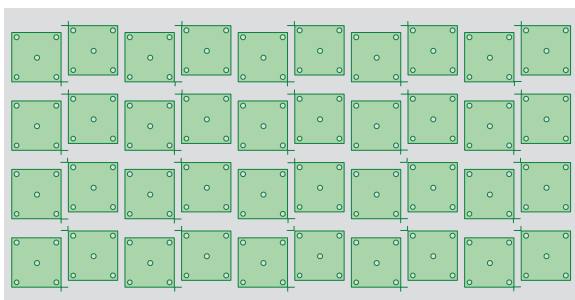
Leads are appropriately placed and use a moving pierce to ensure that the direction of molten splatter is a predictable "splash zone" that is directed off the plate or towards parts that are already cut, with easily removable slag.

Nesting with PlateSaver technology

PlateSaver™ is most effective when nesting square or rectangular parts, and least effective when nesting circular parts. Therefore, depending on your part mix, PlateSaver can have a huge impact on your material utilization. The following example shows square parts which yield a dramatic 14 percentage point improvement:

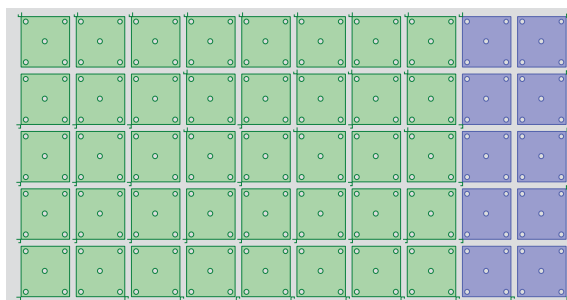
Without PlateSaver technology

40 parts, 56% true utilization



With PlateSaver technology

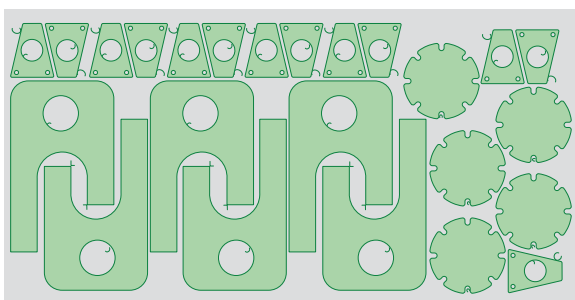
50 parts, 70% true utilization



For jobs containing a mix of different shaped parts, PlateSaver still yields an impressive 3 percentage point improvement on average, resulting in significantly lower annual material costs, lower cost per part, and higher profitability:

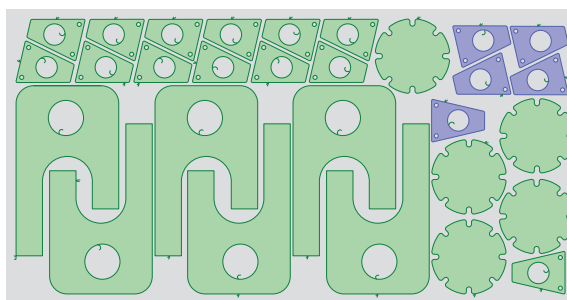
Without PlateSaver technology

24 parts, 62% true utilization



With PlateSaver technology

29 parts, 65% true utilization



All examples based on mild steel, 19 mm (0.75 in.)

Specifications

- For use with mild steel, X-Y cutting only
- Applies to select material thickness and appropriate plasma process combinations between 13 mm (0.5 in.) and 32 mm (1.25 in.)
- Requires XPR™ X-Definition® plasma system with compatible CAM software and CNC software
- Important: moving pierce technique can present a safety concern due to increased sparking and spray from hot gases; proper precautions should be taken to avoid personal injury, fire, or damage to equipment

For more information, visit: www.hypertherm.com/platesaver

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