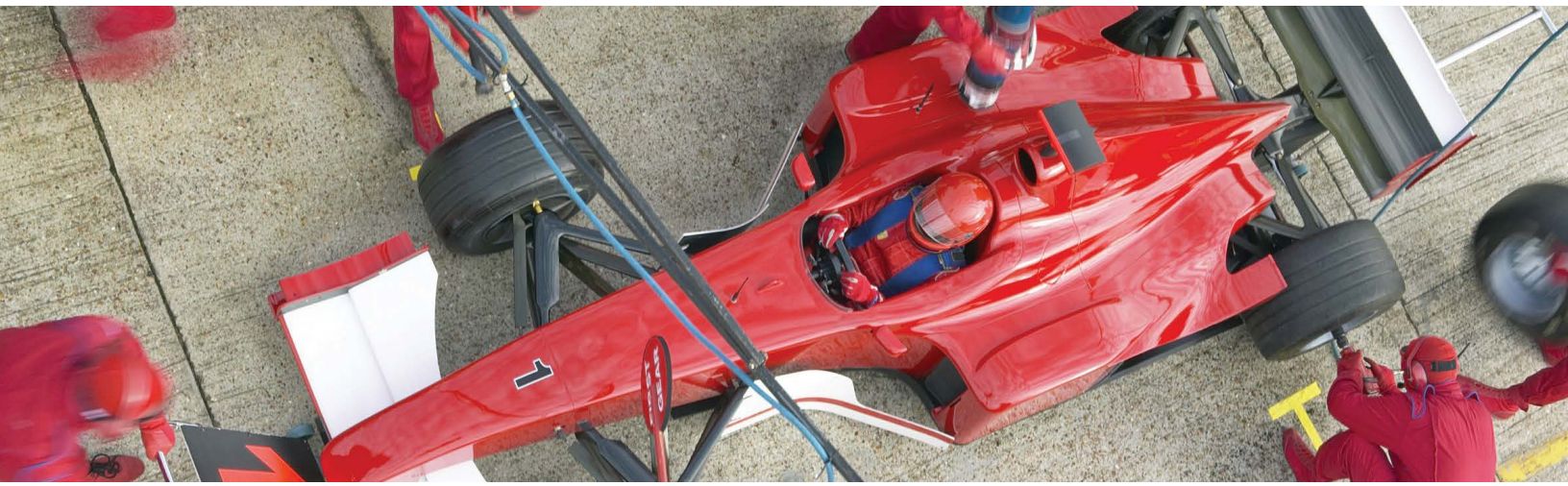
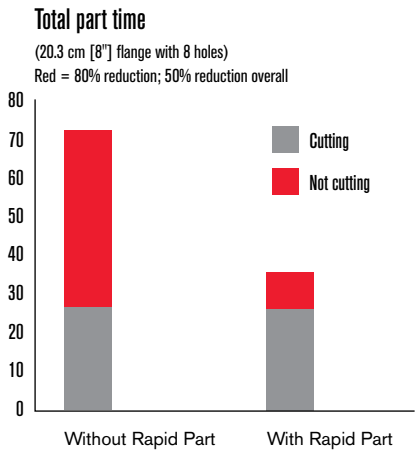
Hypertherm®



Rapid Part technology delivers superior performance for your operators, your company, and your bottom line.

Achieve greater productivity by reducing cut-to-cut cycle time. Rapid Part™ controls and optimizes every step in the plasma cutting process – without operator intervention – so you can focus on your business and your customers.

- Increases the number of parts produced per hour by up to 100%.
- Delivers cut-to-cut cycle time reduction automatically without operator intervention.



Less cut-to-cut cycle time means increased productivity

- Cutting a 20.3 cm (8") flange, more than half the time after the operator presses "go" is spent moving between cuts when using competitive THCs.
- Rapid Part technology, part of Hypertherm's SureCut™ technology, reduces the cut-to-cut cycle time by up to 80% and the time it takes to cut each part by about 50%.

Available now from Hypertherm and our partners.

SureCut™

Maximizing performance through embedded expertise

Rapid Part technology reduces wasted time in the cutting process

Revolutionary plasma performance: Rapid Part technology

Rapid Part™ technology works by targeting and optimizing four aspects of the total cutting process that cause longer than necessary cycle time and which occur during the period from the last cut or pierce to the next pierce.

1. Torch retract

Rapid vertical (Z-axis) motion using the ArcGlide® or Sensor™ THC intelligently retracts the torch to the next pierce height, based on material and part properties.

2. Table motion

Optimized motion instructions programmed using ProNest® with its optional Collision Avoidance module, which minimizes the chances of torch collision and the distance between the end of one cut and the pierce on the next part.

3. Initial height sensing

Rapid Z-axis motion using the ArcGlide or Sensor THC.

Automatic fast-to-slow speed crossover calibration.

IHS skipped intelligently, based on part geometry and nest configuration.

4. Gas pre-flow

Completed simultaneously during initial height sensing and during machine motion if IHS is skipped.

5. Pierce detect

Automatically detects when the XPR300™ has pierced the plate on certain thicknesses and torch is ready to move.

Hypertherm's Rapid Part technology achieves maximum results using the following components

- ProNest nesting software
- EDGE® Pro, MicroEDGE Pro or EDGE Connect CNC
- ArcGlide or Sensor THC
- Hypertherm HyPerformance® HPRXD® or XPR300 system

When purchasing a new cutting table be sure to ask about cut-to-cut cycle time. Some cutting table manufacturers are able to deliver similar results using their own CNC, THC, and nesting software products combined with Hypertherm plasma systems.

With Rapid Part | Without Rapid Part

Parts produced using the same cutting machine, the same cut speed and the same cutting time duration.

Note: Cut-to-cut cycle time improvement will be apparent on all jobs, with the most significant productivity improvements achieved on nests using thin plate with a high part/pierce count.

See Rapid Part in action at www.hypertherm.com/rapidpart

One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers' success. We are always striving to become better environmental stewards; it is a process we care deeply about.

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Greener Cuts™

Hypertherm®
SHAPING POSSIBILITY™