

# SquareCut Technology

## Maximum Plasma Productivity and Quality



- Ramp up productivity, double cutting speed
- Improve small hole cylindricity and cut plasma holes smaller than 1:1
- Make quality cuts with 0 - 1 degree edge bevel

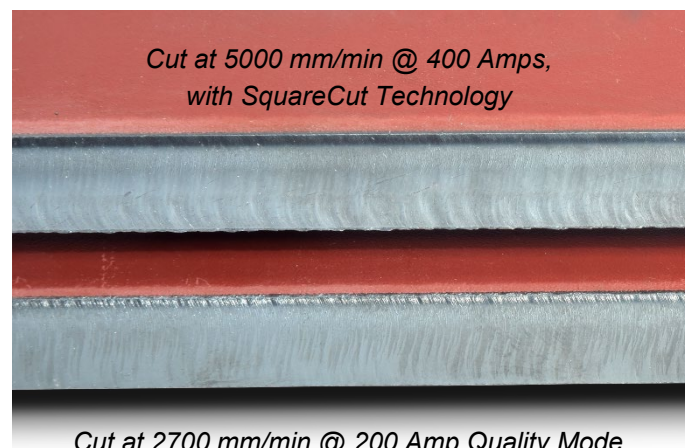
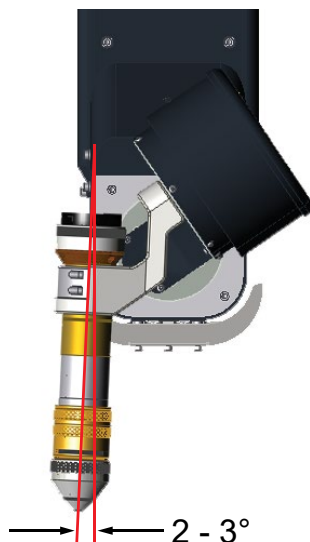


ESAB's new SquareCut Technology brings powerful new advantages to customers cutting mild steel with plasma. When equipped with the DMX Plasma Beveler and the iSeries Precision Plasma system, an ESAB cutting machine can cut faster than any competitive system.

- **High Speed Cutting** - SquareCut lets you cut materials at higher amperage while tilting the torch to compensate for increased edge angle. The result is faster cuts while keeping a square edge
- **Enhanced Small Holes** - SquareCut give improved cylindricity on small holes, and even allows cutting holes smaller than 1:1 on some materials
- **Maximum Edge Quality** - When cutting in Quality mode, even the usual 1 - 2 degree edge angle can be compensated

Visit [esab.com](http://esab.com) for more information.

*SquareCut Technology is powered by the DMX Beveler and available with iSeries Plasma.*

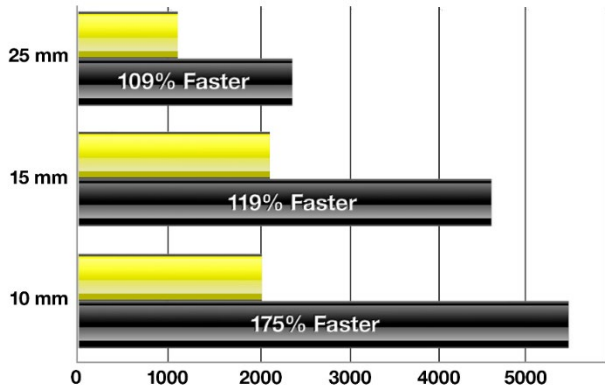


*SquareCut Technology cuts much faster while still delivering a square edge.*

*SquareCut uses the DMX to tilt the torch by a few degrees while cutting, to compensate for the natural bevel angle caused by plasma cutting.*

# SquareCut Technology

## Details



SquareCut High Speed Mode compared to Quality Mode speeds (mm/min).

### High Speed Cutting

With SquareCut Technology, you can use the maximum Amperage available from your plasma system to cut even thinner materials, maximizing speed without creating excessive edge bevels. The DMX Beveler compensates for the bevel angle, resulting in a square cut edge.

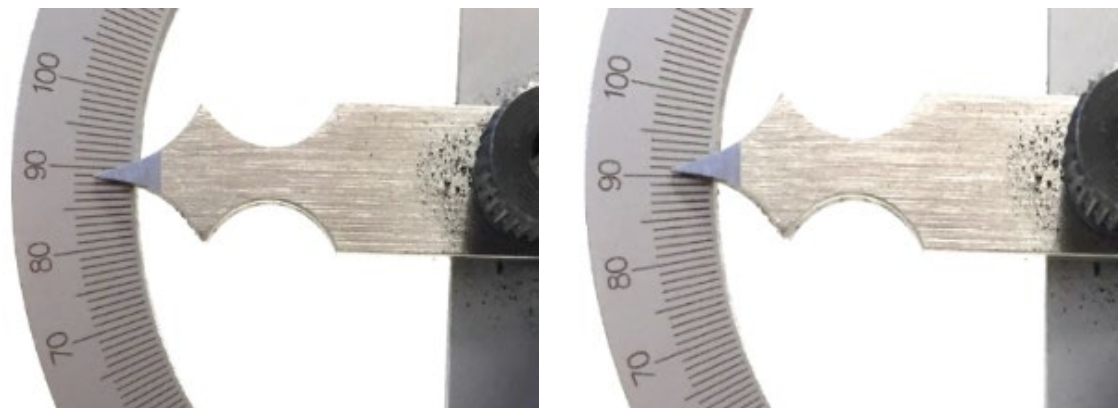
### Enhanced Small Holes

ESAB's Enhanced Hole Technology provides excellent cylindricity on small holes down to 1:1 diameter-to-thickness ratio. SquareCut Technology uses the tilting capability of the DMX beveler to make small holes even better than what can be achieved with a standard plasma station.

- **Improved Cylindricity** – Even better than with a standard plasma station
- **Smaller Holes** – Achieve smaller than 1:1 holes using SquareCut Technology with the DMX on some materials

### Maximum Edge Quality

SquareCut Technology can also be used to enhance Quality Mode cutting, squeezing the last bit of angle out of the cut edge. When cutting in Quality mode, the usual 1 to 2 degree edge angle can be compensated, achieving 0 to 1 degree cuts.



SquareCut Technology is only available on ESAB machines equipped with ESAB's iSeries Precision Plasma, and the DMX Plasma Beveler.



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