

In 1974, Miller Electric invented and patented the Squarewave AC output and balance control function found on their Syncrowave® series of TIG welders. Squarewave technology made the transition through the zero amperage range faster than a regular sine wave, which improved arc starts and created a more stable arc. With balance control, the operator could change the duration of the AC half cycle, adjusting the electrode negative (EN) from 45 to 68%.

Now Miller introduces the next generation of technology with their new AC TIG inverter, which features three advanced Squarewave capabilities. First, it produces incredibly smooth, stable arcs because

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