

The Fronius logo is a red oval with the word "Fronius" in white, italicized, sans-serif font.

# Dynamic Wire

TIG cold wire welding

Simplicity to unleash  
your welding potential

# Market innovation

## Active wire control – TIG cold wire welding made easy

The innovative advantage of Fronius TIG DynamicWire, when compared to a conventional continuous wire feed in cold wire systems, lies in its automatic self-regulation. The power source actively adjusts the wire speed to the welding behavior, torch position, and current conditions, even compensating automatically for component tolerances of up to 30%. The result? Perfect welds every time. Existing iWave cold wire systems can be easily upgraded with the patented TIG DynamicWire Welding Package through software activation.



## We take responsibility



For us, sustainability also means protecting people from physical strain. That is why we paid close attention to ensuring the new cold wire feed system is welder-friendly. The ergonomic and flexible holder is made particularly lightweight by using material-saving aluminum 3D printing. Also, there aren't any tiring vibrations in the torch handle; the new cold wire welding process doesn't require mechanical back-and-forth movement of the wire.



## TIG DynamicWire – Your advantages



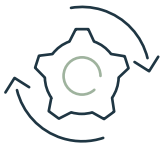
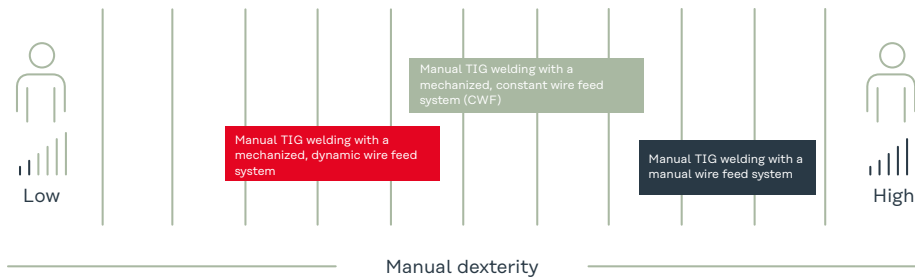
Greatly simplified handling

Unlike welding with a constant wirefeed, TIG DynamicWire and the dynamic wirefeed adapts to the welder, not the other way around.



Minimal training time

The simplified handling enables even less-experienced welders to quickly produce high-quality TIG welds.



Always the right wire speed

The dynamic wire feed system automatically adjusts the wire speed to the current conditions. This means that the optimum amount of wire is always available – without any manual adjustment.



Automatic compensation of component tolerances of up to 30%\*

The self-regulating effect of our active wire control automatically compensates for component tolerances and changes in torch position.



Set just one parameter to start welding

Needing to set the wire and current parameters separately has become a thing of the past. Thanks to TIG SynergicMode, only one parameter has to be set, and the rest are applied automatically based on material-specific characteristics.

\*With a corner weld made of CrNi steel (1.4301 / X5CrNi18-10) and a material thickness of 10 mm, a gap bridging of 3 mm (30%) is achieved in the PA position.





## Easy to upgrade and retrofit

Equipped with the cold wire components, iWave systems from 300i-500i can be quickly supplemented with the TIG DynamicWire welding package. Simply activate the software and start welding!

### Torch components

TIG-CW-Feeding: Upgradeable cold wire feed system for intelligent TIG welding torches



TFC: Quick-change electrode system (similar to a mechanical pencil)



### Welding Package TIG DynamicWire

WP TIG DynamicWire: Enable active wire control



### System peripherals

CWF 25i: Intelligent, SpeedNet-based TIG cold wire feeder



HP 70i CWF: Interconnecting hosepack



OPT/i CWF TMC B: Option for connecting the welding torch to the cold wire feeder + connection for the interconnecting hosepack (not a mandatory option!)

For further information,  
visit:

[www.fronius.com/tig-dynamicwire](http://www.fronius.com/tig-dynamicwire)



**Fronius Canada Ltd.**  
2875 Argentia Road, Units 4,5 & 6  
Mississauga, ON L5N 8G6  
Canada  
T +1 905 288-21 00  
F +1 905 288-21 01  
sales.canada@fronius.com  
www.fronius.ca

**Fronius USA LLC**  
6797 Fronius Drive  
Portage, IN 46368  
USA  
T +1 877 FRONIUS  
sales.usa@fronius.com  
www.fronius-usa.com

**Fronius UK Limited**  
Maidstone Road, Kingston  
Milton Keynes, MK10 0BD  
United Kingdom  
T +44 1908 512 300  
info-uk@fronius.com  
www.fronius.co.uk

**Fronius International GmbH**  
Froniusplatz 1  
4600 Wels  
Austria  
T +43 7242 241-0  
F +43 7242 241-95 39 40  
sales@fronius.com  
www.fronius.com