

INTRODUCING

guideWELD<sup>LIVE</sup><sup>TM</sup>

POWERED BY  
**Realityworks**<sup>®</sup>  
Live it. Learn it.<sup>™</sup>

# ***RealCareer<sup>®</sup> Welding Solutions***

***guideWELD<sup>TM</sup> LIVE real welding guidance system***

This real welding guidance system provides immediate in-helmet feedback on three core aspects of welding technique – work angle, travel angle and speed – during live welding!



# ► guideWELD™ LIVE real welding guidance system

## Real Arc Welding

Users receive instant in-helmet feedback on the following aspects:

- Work angle
- Travel angle
- Arc speed

## Enriched Welding Instruction

By giving users real-time feedback on their welding techniques, this system allows instructors to:

- Concentrate more on individual students
- Decrease cost of consumables as students produce quality welds faster
- Increase classroom safety

## Designed for Education

Written by a certified welding instructor, the included curriculum features:

- 3 units: Welding Safety, Welding Defects and Welding Specifications and Weld Testing
- Weld Flash Cards so students learn to identify defects
- Presentation slides, teacher guides, student worksheets, quizzes and exams

By displaying peripheral guides, the guideWELD LIVE real welding guidance system **helps users establish proper welding positioning so they can focus on welding speed and the puddle.**

**Guidance system  
for live, arc-on  
welding!**

**Works with any  
MIG welding  
machine!**

**User's in-helmet view while welding**



Contact us today for a quote:

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## guideWELD™ LIVE Welding Procedure Specifications (WPS) Included:

WPS Number	Material Thickness	Welding Position	Joint Design	Specified Weld Size	Volt Range	Wire Feed Speed	Welding Work Angle	Welding Travel Angle	Welding Travel Speed
	(T1, T2)			(AWS A2.4)	(volts)	(WFS)	(Range of Degree)	(Range of Degrees)	(Minimum ipm)
					TARGET	TARGET	TARGET	TARGET	TARGET
GM2FT10216G	16-18ga	2F	Tee	0.09	17	180	45	10	14.75
GM2FL10216G	16-18ga	2F	Lap	0.06	17	180	45	10	16.25
GM1GG8216G	16-18ga	1G	V-Groove	0.06	17	145	90	10	13.75
GM2FT1401/8	0.125	2F	Tee	0.125	18	270	45	10	13.25
GM2FL1281/8	0.125	2F	Lap	0.125	17.5	265	45	5	14.75
GM1GG1271/8	0.125	1G	V-Groove	0.125	18	230	90	10	13.25
GM2FT1701/4	0.25	2F	Tee	0.25	23	360	45	5	8.5
GM2FL1701/4	0.25	2F	Lap	0.25	23	360	45	5	10.0
GM1GG1461/4	0.25	1G	V-Groove	0.125	22.5	340	90	10	7.75

**Base Material (type):** All WPS's are tested with STEEL

**Welding Polarity:** DC

**Filler Metal Size (diam.):** All WPS's are tested with 0.035

**Mode of Wire Transfer:** All WPS's for GMAW process

**Filler Metal Type (AWS classification):** All WPS's are ER70S wire

**NOTE:** Customizable WPS available

### guideWELD LIVE System Includes:

- Auto-darkening welding helmet with guidance display
- Speed sensor with base
- Angle sensor
- AA rechargeable batteries and charger
- guideWELD LIVE curriculum (see back page for details)

\*Gloves not included



“Within 30 minutes of using the guideWELD LIVE system, my students get it and their welds improve, along with their confidence.”

Greg Siepert, Welding Instructor  
Hutchinson Community College, Hutchinson, KS

## ►guideWELD™ LIVE Curriculum Overview

The guideWELD LIVE curriculum includes lessons on welding techniques, correction and safety. Each unit features teacher guides, presentation slides, worksheets, quizzes and assessments.

Unit Number	Unit 1	Unit 2	Unit 3
<b>Focus</b>	Welding Careers, Types of Welding and Welding Safety	Welding Defects and Correction	Weld Testing and Welding Procedure Specifications (WPS)
<b>Number of Lessons</b>	6	6	4
<b>Lesson Topics</b>	Welding Career Opportunities	Welding Technique	Weld Testing
	Types of Welding	Identifying Welding Defects	Reading a WPS
	Welding Safety - PPE	Multiple Causes of Defects	Testing and WPS Activity
	Welding Safety Focus	Defects Assessment	Weld Testing and WPS Assessment
	Safety Review and Exam Assessment		

## ►guideWELD LIVE Specifications Overview

<b>Process</b>	GMAW (MIG) only
<b>Joint</b>	Tee, Lap, V-Groove
<b>Metal Type</b>	Steel
<b>Metal Thickness</b>	16 gauge, 1/8 in., 1/4 in.
<b>Welding Position</b>	Tee, Lap (2F), V-Groove (1G)
<b>Available WPS</b>	9 Welding Procedure Specifications (WPS) included
<b>Customizable WPS's Available</b>	Yes

### guideWELD LIVE Hardware Specifications

<b>Power Source</b>	AA Rechargeable Batteries (includes charger)		
<b>Base</b>	Length : 9 inches (14 inches extended)	Width : 22 inches	Height : 13 inches
<b>Speed Board</b>	Length : 13 inches	Width : 4.5 inches	Height : 1.5 inches
<b>Angle Sensor</b>	Length : 1.5 inches	Width : 1 inch	Height : 0.375 inch
<b>Helmet</b>	Viewing Area : 3.86 inches x 1.69 inches	Operating Temp : 23°F to 131°F	Material : Polyamide (Nylon)
<b>Total Product Weight</b>	15.5 lbs (Helmet weight : 2.0 lbs)		

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