



Delivers Visibility To Improve Welding Productivity

Insight Core™



Knowledge Is Power

WHAT IF YOU COULD:



Identify productive welders and those who need more training?



Understand what impacts welding productivity?



Insight Core™

Reports welding productivity from a web-based application to measure and improve your operation.

✓ Measure welding productivity.

See each welder's arc-on time to set baselines, plan improvements and measure goals.

✓ View easy-to-understand reports.

Dashboards show trends and generate reports. Compare welders, cells and plants.

✓ Easily install and use.

Just connect it to the internet. View secure data on any web-connected device anywhere.

✓ Identify welding costs.

Make improvements to reduce expenses.



KNOW YOUR ARC-ON TIME AND DEVELOP OPPORTUNITIES TO IMPROVE.

Pinpoint problem areas and understand training needs.

See how much of your operation's arc-on time is within expected threshold ranges, analyzing both machines and welders. Problems with machines can be resolved, top-performing welders can be rewarded and lesser-performing welders can receive additional training.



● Arc Off - 83.73%
● Arc On - 16.27%



● Within Limits - 83902
● Outside Limits - 16083
● Not Measurable - 0 Welds

Top Producers	
Device	Arc On %
1 Base Deck 1	48.66
2 Base Deck 2	48.66
3 Wheels	40.53
4 Axle Shafts	38.78
5 Cross Member	33.78

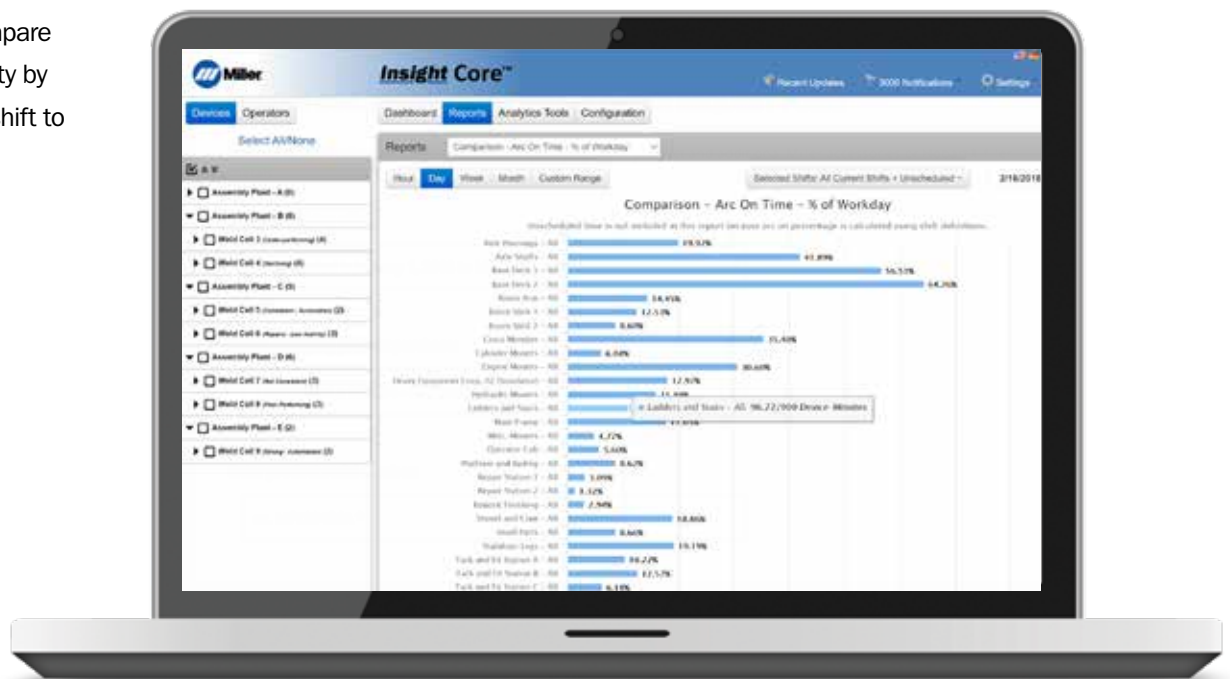
Bottom Producers	
Device	Arc On %
1 Operator Cab	9.87
2 Tack and Fit Station E	9.23
3 Repair Station 1	7.1
4 Repair Station 2	6.8
5 Rework Finishing	3.0

Top Performers		
Device	Within Limits	Outside Limits
1 Base Deck 1	15	0
2 Repair Station 1	2564	95
3 Axle Housings	9803	441
4 Rework Finishing	464	22
5 Tack and Fit Station D	15083	924

Bottom Performers		
Device	Within Limits	Outside Limits
1 Boom Arm	2723	1201
2 Tack and Fit Station A	1795	941
3 Hydraulic Mounts	2940	1610
4 Shovel and Claw	1937	1393
5 Base Deck 2	0	15

VIEW EASY-TO-UNDERSTAND DASHBOARDS AND REPORTS.

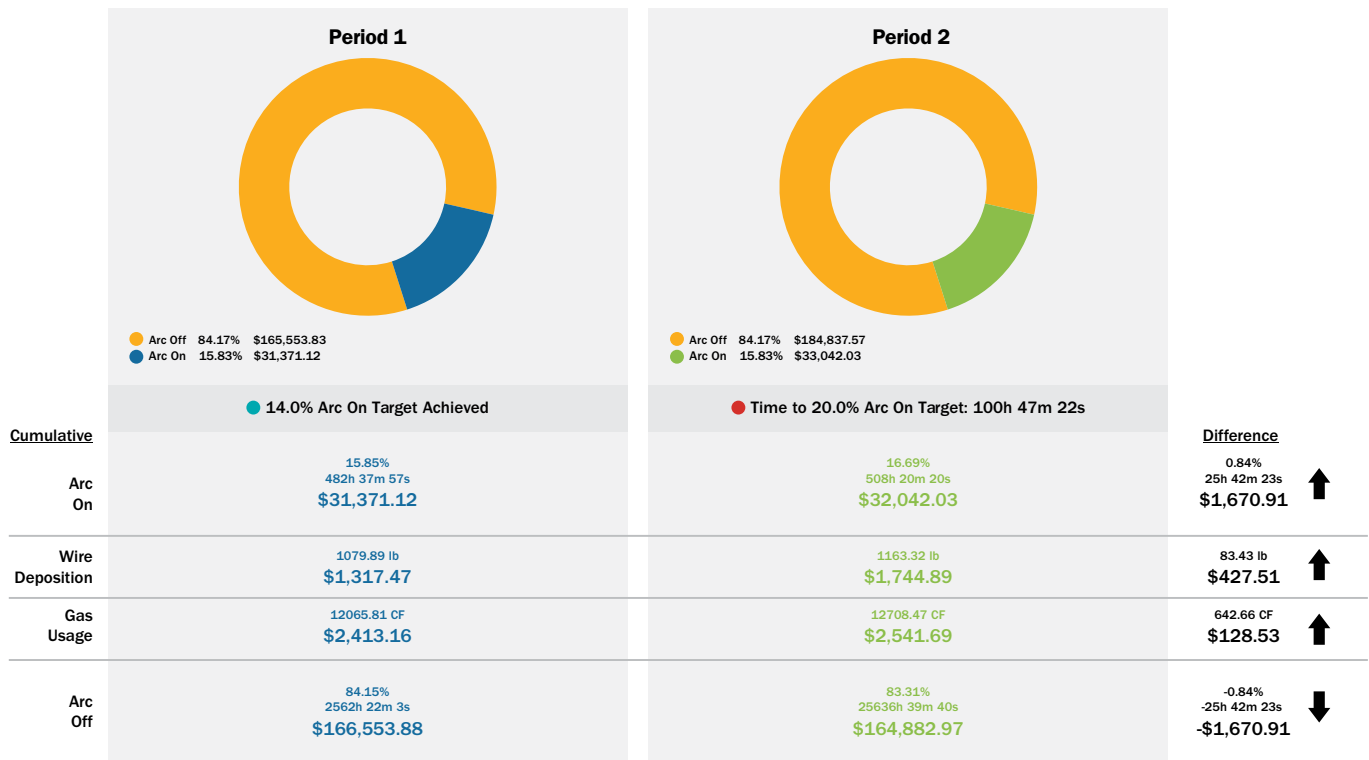
Quickly and easily compare and analyze productivity by machine, welder and shift to find inconsistencies.



UNDERSTAND YOUR TRUE WELDING COSTS.

What if you could see that a 10% arc-on time cost you \$20,000 — but the remaining arc-off time cost you \$180,000? Insight Core’s Data to Dollars analysis can help you control business costs and the nonwelding-related activities that cause downtime.

DATA TO DOLLARS



The cost of non-welding time has decreased by \$1,670.91.

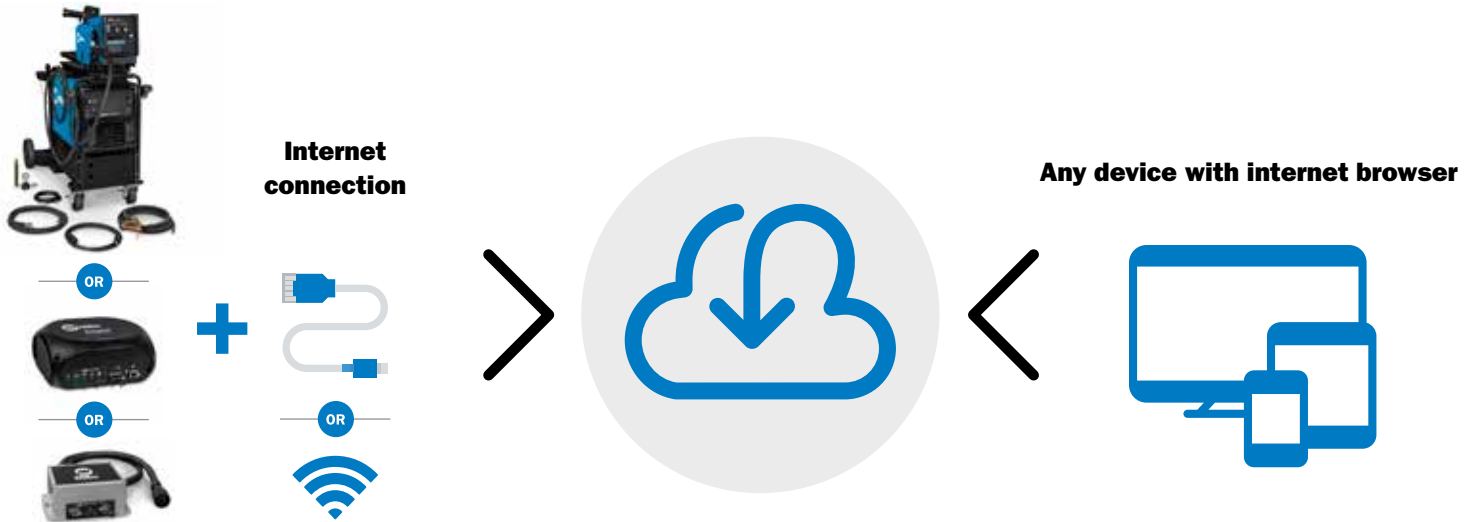
Trace displays weld parameter verification.

Gain deeper insights into each weld collected by viewing welding trace and process data.



HOW IT WORKS

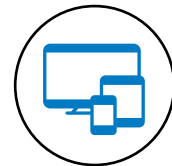
Of all weld data systems in the market, Insight Core is the easiest to install and has the greatest compatibility!



**Uses standard web browsers;
no software or applications
to install or maintain**



**USB setup support for quick
installation, easy data transfer
and fast firmware updates**



**Secure data viewable on any
web-enabled device utilizing
user authentication**



**Onboard memory when
internet connections
go down**



**No mandatory
subscription fees**



**Operator ID feature
enables all reporting to
be tracked by welder**

OPTIONS FOR ANY WELD SHOP

Whether your equipment fleet is old or new, consists of Miller® machines or has mixed brands, there's an Insight Core solution that can work for you.

INSIGHT CORE™ CAPABILITIES

		Power Source Operation Status	Volts	Amps	Arc-On Time	Arc-On %	Quality Threshold Evaluation	Goal Setting	Wire-Feed Speed (in./min, m/min)	Deposition (lb., kg)	Deposition Rate (lb./hr, kg/hr)	Power Source Error Indication							
14-Pin Insight Core Module Required	MIG	Deltaweld® 302/452/652 Deltaweld® CE 402/602/852	<div style="text-align: center;"> <p>Standard Features on</p> <h1>ALL</h1> <p>Insight Core™ Products</p> </div>									<p>Additional Features When Using MPa Feeder</p>							
		Invision™ MPa 350/352/450 Invision™ 354MP/456MP/456P																	
		AlumaPower™ MPa 350/450																	
	MULTI-PROCESS	Dimension™ 302/452/650/652/1000 Dimension™ NT 450/500/450 ArcReach® Dimension™ CE 562/812																	
		XMT® CC/CV 304/350/425/450/456 XMT® MPa 350/450 <i>Note: Not compatible with XMT VS models</i>																	
STICK	Gold Star® 302/452/652 Gold Star® CE 402/602/852																		
SUBMERGED ARC	SubArc DC 650/800/1000/1250 Digital ¹ SubArc AC/DC Digital ¹ 1000/1250 SubArc DC ² 650/800/1000/1250 SubArc AC/DC ² 1000/1250 Summit Arc™ ² 1000/1250																		
	ADVANCED PROCESS	Deltaweld® 350/500 ³														•	•	•	•
		Continuum™ 350/500														•	•	•	•
		Auto-Continuum™ 350/500														•	•	•	•

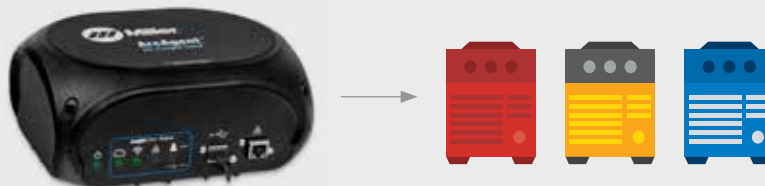
¹ The SubArc Digital Series requires Insight Core to SubArc Digital Series Adapter Kit (#301 295) to operate on Insight Core system with a SubArc Interface Digital or Analog Control (BLACK case).

² The SubArc Series requires a 115 VAC to Legacy 14-Pin Accessories Adapter Cord (#301 259) to operate on Insight Core system with an HDC Automatic Weld Control (BLUE case). Non-SubArc 115 VAC wire feeders are not compatible with the 14-Pin Core Module. The SubArc Series is able to run Insight Core by using 115 VAC to Legacy 14-Pin Accessories Adapter Cord (#301 259). Please contact your Miller sales representative if you have questions or need assistance in selecting the proper adapter for your Submerged Arc power source.

³ When using a 14-pin wire feeder with the Deltaweld 350 or 500, wire-feed speed, deposition and deposition rate are not available.

UNIVERSAL BRAND CAPABILITY

With an ArcAgent™ module, you have the power of Insight Core on any machine from any manufacturer, giving you complete coverage of your facility.





Contact us today.

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