

#### MEGMEET Electrical Co., Ltd MEGMEET Welding Technology Co., Ltd

Add: 3rd Floor, Block C Unisplendour Information Harbor, Langshan Road, Shenzhen, Guangdong, 518057, China www.megmeet.com (MEGMEET Electrical) www.megmeet-welding.com (MEGMEET Welding Technology) E-mail: welding@megmeet.com Tel: +86-755-8660 0555

MEGMEET Germany GmbH	MEGMEET Türkiye rtibat Bürosu
Add: Stadtheider Str. 26-28, 33609 Bielefeld, Germany	Add: Merkez Mah. Hasat Sok. No:52/1 Şişli - İstanbul
Tel: +49 521 588 131 40	Tel: +90 538 334 94 88
Email: welding@megmeet.com	Email: welding@megmeet.com
MEGMEET Electrical India Pvt Ltd	MEGMEET (Thailand) Co., Ltd
Add: Plot No. 140, Sector 7, IMT Manesar, Gurugram - 122052, Haryana	Add: 7/375 Moo 6, Tambon M abyangporn, Pluak Daeng, Rayong 21140
Tel: +91 12442 14460	Tel: +66 (0) 33 012 666
Email: wolding@magmaat.com	



# SMARC

## Cloud Platform System for Smart Welding Informatization and IoT Solution

Follow us:



MEGMEET's strong technical strength, extensive industry application experience, relentless attention to customer needs, and the spirit of continuous innovation enable us to bring tailor-made products and solutions to help customers achieve greater success.

\*MEGMEET Welding Technology Co., Ltd is continuously striving to develop and innovate for new product. We reserves the right of changing the technical specifications and designs without notices in advance. Copyright 2023 © MEGMEET Welding Technology Co., Ltd



01	Basic Framework	1
02	SMARC System Advantage	2
03	Solution	3
04	Customer Value	4
05	System Security	4
06	System Function	5
07	System Dashboard	7
80	PC Terminal ]	0
09	Mobile-phone Terminal ]	17
10	Collection Terminal2	21
11	Field Application 2	28
12	Industry Cases	30

# Smart Welding Informatization and IoT Solution

Megmeet SMARC smart welding Informatization cloud platform deeply integrates industrial Internet technology and welding application technology, to realize functions such as fining monitoring of welding data, multi-dimensional analysis of welding data, and digital welding management. It provides a complete set of solutions for digital transformation of welding production for clients, and contributes to build intelligent factories.







# Solution



# **Customer Value**

transmission

will not be lost

Database encrypted storage, data backup







#### **Reduce Production** Cost

- Warning prompts reduces the frequency of routing inspections
- System report reduces labor amount
- Statistical analysis of production consumption
- Transparency of vulnerable part usage amount
- Saving electricity and gas to reduce costs



#### Improve Product Service

- Online diagnosis of failure welding machine
- Remote upgrade firmware
- New product and new function push
- Questions and needs feedback by users
- To continuously upgrade machines by Megmeet

(a) Server security group, strictly control data port permissions

Cloud security keeper service, proactive virus defense







# A New Era of **Smart Welding** Informatization®







#### Task Assignment Management

- Task Decomposition
- Task Configuration
- Task Distribution
- Task Requisition
- · Task Submission

#### After-sales Service

- Issues Feedback
- · Demands Feedback
- System Scoring
- Product
   Information

#### System Management

- Enterprise Information
- User Information
- · Role Information
- Authority Information
- Enterprise
   Configuration
- Syslog Management
- · API Interface



# 

Applicable for Large Visualization Management

# **Dashboard Introduction**



- ☑ Overall distribution of registered machines
- ✓ Real-time working status of machines
- Comparison and ranking of production data
- ☑ Real-time prompt warning, maintenance and announcement

#### Production Data Center

- Connected to MES production management system
- ✓ Multi-dimensional production data
- ✓ Production data trend analysis

#### Dashboard in Workshop

- ☑ Location distribution of machines
- ☑ Real-time status of production
- ☑ Utilization rate and energy consumption statistics of machines









# Dashboard Introduction

#### Real-time Dashboard for Production

- ✓ Production real-time ranking list
- ✓ Real-time status of machines and welders
- ✓ Utilization rate and energy consumption statistics of machines



#### Dashboard for Project Management

- Project progress
- ✓ Project real-time status
- ✓ Project-related machines, personnel and other information
- Energy consumption statistics



#### Dashboard for Machines

- ☑ Real-time status of machines
- ☑ Welder and workpiece information associated with machines
- ✓ Welding parameters











# Smart Welding Informatization Cloud Platform System







#### ☑ GPS positioning of welding machines

- ✓ Real-time location of welding machines
- ☑ Visualized distribution of welding machines

We



	MEGMEET	= 🖸	the SMARC p	rofessional
	System Monitoring <	<b>41</b> B	ome page Record O	Equipment O
	O Alarm Management (	Ente	eprise:	
Welding Machine	☐ Device Management ~			
Management	Device Category		Excorr 🚺 Maintenand	e Done
Management	Device Model	0	Device Code	Device Ca
	Basic Info	0	20232023	MD
	Maintenance			
Registration operation and	Welding Data	Q	脉冲采集TEST	MD
	Today Data	C	00000000	MD
maintenance	History Record	0	999999999999999999999999999999999999999	MD
	Statistic	0	ZM080023223800003	MD
Production data traceability	Firmute	C	123967	MD
and statistics	Welder Management	0	ZF040220231900011	MD
	<	C	交流盘_4g_003	MD
Remote upgrade	🖌 Welding Process 🕓	C	外置盘_002	MD
	A Manufacture Data (	0	新机器人通讯盘_eth_003	MD



- -Teet Compan

Dintes Alarm 30 M Q Search 2 Reset Q 0 III-C#Add QHistory [2/Add QHistory No C2/Add QHistory (2/Add QHistory No C?Add Q,History Q,History No No C?/Add QHistory No 建成A公司 No C2/Add QHistory 测试A公司 No 221.9 €2/Add QHistory QHistory No C2/Add 唐试A公司

# Functional Module

PC Terminal —

#### Welder Management

# Welder information registration and maintenance

- ✓ Welders binding with machines
- ✓ Welding data traceability and statistics
- ✓ Welders receive welding tasks

Г 🗉	Q tear	The SMA					Full scree	en 🔄 Dashboa	rd 🖓 Notice	Alarm	🔫 Maintenan	ce 📃 About	us   🛔 w
9 < 41	Home pag	pe Record C	) Equipment O	Welder O	Classification ()	Statistic O	Analyze O	Maintenance O	Device Model O	Basic Info O	Teem Info 0 Vi	orkpiece O Wei	ding Dat → Ø
est (	Enterprise-			Team Name:			Welder Nan	me:		QSearch	CReset		
ent													
ent	-			-									
	+hds	CPModify XI	Selete Import	Alopon									4 D
	v	Welder Name	Welder ID	Log	in Account	Team Na	ame is i	the team leader	ID Card[pc]	ID Card[box]	Qualification	Bind Status	Enterprise
	0	zhang	HG09	zhu	ngianwei	测试AH	Ett	•	1159822170	FA012345	GMAW-Fel-2G	Untourd	测试A公司
	0	8#I	HG0011111	vi	itest888	默认班	10	0	5649426	123456	GMAW-Fel-1G	Unbound	埃森展公司
	0	1213	M00008259		Bq	测试器	14	0	23121111	7CD0C16	GMAW-Fel-2G	Bound	测试A公司
	0	测试焊工1	HG011	ter	itwelder1	测试日光	14E	0		73A1471D	GMAW-Fel-1G	Untound	埃森服公司
	0	建试焊工2	HG022	ter	itwelder2	NACE	141	0		3A6447AC	GMAW-Fel-1G	(Unbourne)	埃森服公司
	0	测试:#13	HG00333	ter	itweider3	测试AH	148	-	83886128	30000005	GMAW-Fel-2G	Bound	测试A公司
	0	建试焊工4	HG0044	ter	itweider4	源stale	143	0		5AD137EF	GMAW-Fel-2G	Untourd	测试A公司
a <	0	APPWelder	APPWelder	A	PWelder	38368	543	•	12	13579	GMAW-Fel-1G	Bound	埃森展公司
	0	<b>RI</b>	HG111		elder33	WARE	10	0		1234567891	GMAW-Fel-1G	Untourse	埃森展公司
e e	0	仇工	HG221		qxt	28.X88	10	0	12	9878543210	GMAW-Fel-1G	Unbound	埃森展公司
10	0	WMM	$\overline{m}$		85	测试AB	EG	•		400BAA25		Unbound	测试A公司
												0 2021 N	EGMEET Copyright

#### Warning Management

- ☑ Warning real-time prompts
- ☑ Real-time solution&supports
- ✓ Welding parameter over-limit warning
- ✓ Warning records and statistical analysis

100 C		0.94			- ownering	and any	
wicona	Start Time: Jun-13-2023	3 End 1	ime: Jun-20-2023	Ranking Rules: Number of Alarm			
lassification	QSearch 2Reset	APrint AExport Exc	el AExport as PDF				
Ratistic							
nalyze							
vice Management	Organization:			Jate of Statistics: Jun-13-2023 ~ Jun-20-2023 Date: Jun	-20-2023		<b>II</b> .
elder Management				Alarm Statistics Report			
onsumables Data	Device Code	Device Category	Device Model	Organization	Alarm Times	Lasting Time	Statistics Days
elding Process (	PM ceshi	MD2	Ehave2 CM500	谱试公司[]时试A公司[A工厂]A军间]焊机实验产线	32	2.43h	8
our dartum Data (	Dex GC LTS	MD2	Dex TIG ACT500	谢试公司[]谢试A公司]A工厂 A车间]焊机实验产组	1	0.01h	8
nalacture basa	Total:				33	2.44h	
oject ement <							
er management i							
rvice							
ervice							

en 🕼 Dashboard 🎣 Notice 🥂 Alarm 🔫 Maintenance 🗐 About us | 🛔 viptest

Consumables Management

- Incoming record
- Outcoming record
- ✓ Statistics data



	MEGMEET	E Q terr	The SMARC professional	l edition has been with yo	u for #29 days	23 Full screen (	Deshboard	Notice	Alarm		🚍 About us   🛔 viptest
WPS Management	Bystem Monitoring <     Alarm Management (     Device Management     Welder Management     & Welder Management     & Consumables Data (	M Statistic O Work Enterprise: Q Search	Analyze O Maintenance ing Mode Proce	ss Job Manuf Organization :	Basic Info O Team Inf	Process Match Device Category:	Welding Data O	Invertory M	Ianagement O Device Code:	Specification Issuance O	>> 2° Refeat
✓ WPS information base management	Welding Process	<b>≜</b> Ratch	Device Code	Standby Power-off Device Category	Alarm Device Model	Device Status	Welder Name	Team	Single Spe Working Mod	ecification Free Operation	tion Q C III - Set Working Mode
<ul> <li>Workpiece Information Management</li> </ul>	Wps into Specification Issuance	0	20232023 脉冲采集TEST 00000000	MD2 MD2	Dex TIG ACT500 Dex TIG ACT500 EHAVE2	Power-off Power-off (Power-off)	-1	-	2	•	(#Set Up (#Set Up (#Set Up
WPS issuance locking	Parameters Definition Quality Trace	0	50000050000000000000000000000000000000	MD2 MD2	EHAVE2 EHAVE2	Power-off	i i	÷	÷		G/Set Up
Workpiece and WPS matching	Process Experts	0	123987	MD2	Plus 500Q	Power-off	2		2	5 -	G/Set Up
Multi-dimensional quality traceability	Manufacture Data      Manufacture Data      Management      G     Management	0	交流盘_4g_003 外 <u>面盘_</u> 002	MD2 MD2	EHAVE2 EHAVE2	(Powerol) (Powerol)					© 2021 MEGMEET Copyright V2.2.2

	MEGMEET	E Common The SMARC pr	rofessional edition has been with	you for 828 days	j Full screen 🛛 😨	🖯 Dashboard 🛛	Notice 🖉	Narm 🍳 Mainter	ance 📃 About	as   🛔 viptost
	System Monitoring <	44 Maintenance O Device Mod	el O Basic Info O Team Info O	Workpiece C Welder	g Data O Inventor	y Management O S	pecification Issuance	D Project Implementa	don O	₩ Ø Refresh
	Alarm Management	Project Implementation $\ \ \mathcal{C}$	Task Code:	Device Code:		QS	learch			
Project	Device Management	□ 🏠 激減公司	Configured Not config	ured						0
Managamant	B Welder Management <	同众及近期 😤 🖃	Tech Costs Tech Description	Device Centre - Device Me	dei Material Cada	Washingson Conde	Delemente 1/00	Postorestine Status	Configuration	Pintolu dina Pilatua
wanagement	& Consumables Date (	Task configure	iask Gode i lask Description	TERTION ENGLISH	a naterial Code	100168780103468	INDERGE WITS	Comparation Status	Configuration	Distribution status
		Task receive		TESTOUT Enave	2	123405765123400	WFOULD	Contrajured	ra componenti	Dispatoried
	& Manufacture Data <	Task submit	NS 1 arrive 1 strip, common 1 Re	pords,						
Associated with production order	■ Project Management ✓	Task schedule								
	Project Material	● · · · · · · · · · · · · · · · · · · ·								
Production task distribution	Project Create	中 🛧 埃森區公司								
	Project Config									
Production task review	Project Documentation									
	Project									
Project progress tollow-up	Decomposition									
A Duilt report output	Project Implementation									
As-Built report output	Project Audit									
	Project Cost								© 2021 ME	GMEET Copyright V2.2.2



#### MEGMEET WELDING TECHNOLOGY

Enterprise status:	C Welding Data	O Inventory I	Jananament O 5		2007 - D			~	1. 2	
Enterprise status:				Specification Issuan	ce O Project Ir	rplementation C	Enterprise Info O		*	C Re
	: Total	~	Q Search	Reset						
								Q	С	<b>.</b>
Code Ent	terprise Manager	Number of Subsidiaries	Edition type	Using Status	Menu Assignment	LOGO	Author	Crea	ition Tim	e
	测试	2	Professional e	Normal	Allocated		admin	2021-03	-15 15:3	1:20
	π	0	Professional e	Normal	Allocated		admin	2021-03	-15 15:3	1:29
0	AA	0	Professional e	Normal	Allocated		admin	2021-03	22 14-2	1-41

# Functional Module

PC Terminal -

#### After-sales Service

- Questions and feedback
- ☑ Online solution
- Product information lookup
- System user evaluation



	MEGMEET	C Search Th	he SMARC professional edition has			7 Full screen 🖉 Deshboard	Notice	<u>/</u> Ala	- 🥠	faintenance	About us	🛔 viptest
	System Monitoring <	44 Home page P	Record O Equipment O Welder	O Classification O	Statistic O	Analyze O Maintenance O D	rvice Model O	Basic Info ()	Team Info	0 Workpiece	e O Welding I	hat 🤲 😅 Refres
Energy Saving and	0 Alarm Management	Device	Overrun Ene	gy-saving								
Cost Reduction	Classification Statistic	Enterprise: Start Time: May-	-21-2023 End Tim	tion: e: Jun-20-2023		Alarm Code: Q Search C Reset						
in Production	Analyze	AEsport	Pint	Device Mo	fel Alarm Code	e Description	Alarm Type	Statua 1	Start Time •	End Time	Q Time Duration	C III -
☑ Gas flow monitoring	<ul> <li>Welder Management</li> <li>So Consumables Data (</li> </ul>	PM cest	N 40.06.30.50.50.40.06.3	CISD:6A:9E Ehave2 CM500	30	群拉下发争数起范围		Finish	2023-06-19 16:13:54	2023-06-19 16:20:34	0.1111h	QRead
☑ Gas leak warning	<ul> <li>Je Welding Process</li> <li>Manufacture Data</li> </ul>	Dex GC L	LTS 86194205535123	Dex TIG ACT500	77	1、焊机储存时,不可以下发(附控 存)操作:2、焊机调用时,不可以 下发(群控综合)操作:3、群控调 时,不可以下发(群控储存)操作。	и 4. ч	Finith	2023-06-19 16:08:34	2023-06-19 16:07:12	0.0105h	QRead
Daily long-time standby warning	la Project Management ←	PM cest	hi 40:06:30:30:6A:90,40:06:3	C:3D:6A:9E Ehave2 CM500	30	群控下发参数超范围		Finish	2023-06-19 16:02:55	2023-06-19 16:13:35	0.1777h	QRead
	▲ User management <	PM cest	N 40:06:30:5A:90,40:06:3	CI3D:6A:9E Ehave2 CM500	22	天工艺将配		Frish	2023-06-19 15:50:35	2023-06-19 15:55:49	0.0872h	Q,Read
Gas waste reduction		PM ces	N 40.06.3C.3D.6A.9D,40.06.3	C:3D:6A:9E Ehave2 CM500	22	天工艺将配	2	Filish	2023-06-19 15:47:58	2023-06-19 15:49:26	0.0244h	QRead
Fineral waste reduction		PM ces	N 40:06:30:30:6A:90,40:06:3	C:3D:6A:9E Ehave2 CM500	22	无工艺搭配	8	Finish	2023-06-19 15:45:49	2023-06-19 15:45:54	0.0013h	QRead
				Ehave2				-	2023-06-19	2023-06-19	0 2221 MEGM	FET Convriett V2.2.2

#### Scan workpiece to Automatically Issue WPS

- Workpiece information maintenance
- Workpiece and WPS matching and qualification settings
- ✓ Welder qualification matching check
- Scan workpiece to automatically issue welding parameters

	Process matching setting	Recon	nmended process list	Al process							
nterpris	e:	Workp	ece/seam Code:		Q Search	Raset					
1256	rt Up										3 ⊞-
	Workpiece/seam Code	Workpiece Material	Workpiece Steel Number	Workplece Thickness	Workpiece Shape	Joint Form	Welding Position	Groove Type	Match Process	Match Qualification	Enterprise
0	GJ1234567890121	स्ट्र का	1001	8	Triangle	Butt Joint	Flat Weiding	V-shaped Groove	WPS_001	GMAW-Fel-1G	坡森展公 司
0	123456789123456	破明	123456789123456	6	Cylindrical	Butt Joint	Flat Welding	V-shaped Groove	1		測试A公 司
0	GJ1234567890111	123	123	2	Square	Butt Joint	Flat Welding	V-shaped Groove	WPS088	GMAW-Fel-2G	坡森履公 司
0	GJ1234567890121	截铜	1021	6	Square	Butt Joint	Flat Welding	V-shaped Groove	WPS008	GMAW-Fel-2G	建试A公 司
0	123451234512345	获明	1234	10	Cylindrical	Butt Joint	Flat Welding	V-shaped Groove			潮道A公 問
0	2022-00- 3013245678911	91	20222	20	Cylindrical	Butt Joint	Flat Welding	V-shaped Groove			港試A公 司
0	2022-03- 3013245678911性维	55	20222	20	Cylindrical	Butt Joint	Flat Welding	V-shaped Groove	× .		第三人公 司
0	遊嫁LQ-2202S0D-8- 114-0002	99	20222	20	Cylindrical	Butt Joint	Flat Weiding	V-shaped Groove	2		港社会公 同

# System Reports

The system provides multi-dimensional statistics and analysis reports of welding production data, including production power consumption curve, equipment utilization rate, personnel operation efficiency report, wire consumption statistics, power consumption statistics, gas consumption statistics, production data comparative analysis, production trend analysis report, etc. Users can easily view and export, and make use of these reports for data analysis and traceability, providing data supports for decision-making of user and realizing digital management of welding production.



We	lder V	Vork	ling	Eff	iciena	су				Wi	re Con	sum	ptior	n Statist	ics	-	Ga	s Consi	umptior	n Stati	stics	
	Subservers 1 N		here the second s		Property of Strength	and have	fore 1 The	a la fai	+ 2.44	a manufacture	<ul> <li>Automatical Property</li> </ul>	General Manufactures	And the State of the	hang dan Parti di Panana Peranang di Panan Inan	in Securities 3 Name Security	* 2 Mar	a management	<ul> <li>November 1 Press Spectrum</li> </ul>	al ManyAusett Associated	Tantas (na Part) 2 - Marcas (Ma	ang 0 Man Searger 5 Anna 1	maryles (
	Serley Artists	ballow	Ar 7000		4%- <b>10</b>	-	-			Sector Sec	trape	Operation		Annual Association of Manager	· · Descrip ( As		Countration Association	Drapie	Organization	Aurory Russ Tran	per presidente pro v 🔹 Generaling	Acomology
_										beauties and	Bettre articles	belles a	- 10.000		August Laure Manager in 197		Derivative Reds	Battine ar 0-000	(nd Time are for 2020)	Quart Quart	Constant Constant	2
-	Superinter.				1.002 - 34-19.002	Detr. i			10.1	Read Diversity	Coperature .		Balance and And			100	Read Division	Openator	Bulleton and		Are 20 2020	
				Report of	The use ratio of device									The report of wire consumption						The report of gas-consults	umption.	
	Dentes Code	Dariss Wells'	Baldry Treef's	Press or Tenght	Utilization Ratio of Design(%)	Burr man	Datative Data	Barchate of Dentechi	Line Ratio Dana		Darker Date	Denice Model	Motor Tends	Average West include Apenderivated	Comment New Longh (M)	Consumed Way Weight/Cit		Dentes Sade	Denics World	Materia Tened4	Average gas freed, here:	Total pas commendation
-1	1007.42	-	10.51	107.24	10.7%			1076			707.47		407.01	12.00	100810	87.88		1270	(here	107.05	14.20	10.01
	192720	Test	10.00	107.28	10.75			1076	-	Contract of Personnantan	1074	Dan	107.00	12.00	0076.8	41.0	Contractor Production Dates	10.100	David Oxf00	100.00	14.20	141.80
-	10-1502	Trans Orbit	10.00	10.25	10.7%			1075	-	Terrare and	101100	Energy Contain	100.00	10.00	T USING BU	148.72	Terminal Control of Co	24	Artain Pro	54.39	14,21	10.04
		Artan Pro	14.00	0428	10.7%			0.8%	-	Personalization		Albert Pic	31.26	14.00	12568.30	10.00	Personal Service Service	201,00	(Darrel)	24.95	16.20	46.01
	500,000	and a	948	14.00	10.2%			42.87%	-	Read Street	Dec. 40	(inset)	01.00	16.05	2010.00	10.05	Read Served	412,818,97	8.01.	54.81	16,05	10.04
-	40.88.9	825	14.01	44.21	10.75			42.875	-	and applicable	412,828,9	Ref.	14.01	11.0	5246.00	10.75	and of public line.	91101	There			
	Press and a second			0.0	41.01%			\$1.54%	-		Private constraints		21.05	11.00	1010.04	**		42.007	There			
and the local division of the local division		Der 10.40108		1.00	10.01			14,00%	-		10100	Dee					Annual C	stat, ball	David			
	Milecolaria	Par 100		1.04	1.75%			14,00%	-	A 24444	N-107	Date					A Destaurant	707,444				- 4
									-		searc.tes?	Den					and the second se	TEST, Service	>84			

		~		in a la	Otatio	tion		Deer			-+-	0		~ ~ ~			De	م مار بام	+1	Det	. T.	ا ام ما م	<u> </u>	~	
rgy C	'on	sur	np	lion	Statis	sucs		Pro	aucuc	n Da	ala	COL	ipari	son		Danie I and	Pro	bauc	uon	Dai	a m	ena	Curv	e	
Automatical Press	Special Sectors	nor, Name 1	Page Strike (*	Second No. 7 No.	Press 1 Main Second		+ 1 here	* many ****	<ul> <li>Non-Toric Toricity No.</li> </ul>	1 Northeast	Status (Sec. Marc. 1)	Non-Thinsy D. M.	and transmitter (* 194	ta fossequir 1 - Em	and of Personal States (	+ 2 Mar	/ Wanty Process	· New York 1	Prop Farme 1 . The	a ta fan 1 maa	Manage & Manager	reptor 8 - Barta Ground	pto () Tomas of Proba-	to Tatal Tatalog Phase	Auto Data 1
Re-results.	-		-	-						-								-	Walter John						
Drapter		-		Annual frame	The Power Consumption -	· Deserting Channeling			Display	Operation		Rating sheet	ne freeze les	* * beer	Auntra			E Marchar		Operation	-	stalistic Passivers			
Better articles			-	-				And the second second	Barline Arriton	balles in	- 19.855	Comparative Date	man Possile In	- 000		Contraction (Contraction	And a state	Sectory March		balles in the	. feet	dramater they	~ Cm		Manute
Country .				100-10100	Date of the local date			Page Direct				The contrast list o	If productive data			trans	Party Disease	1.000			The comparative tan	idency list of Device	productive data		
				The report of power-	consumption				-				an includence.	ar analysis a		1.000		-	-O Press	a lash - many	fearly -C can faits of Bella	an'is 🔿 dae Greunetter	N. C Pare Groundter	DB C ReConceptoriti	÷
Danie Salt	Income States of	and states	and street of		Annual and in case of the	to last have longeration (but)	the Prese Longenetic days		-																1
107-4		10.2		11.44	240.00		414	Conception .	-							-	Conception 1	-	1	10-			-	1	4
1000	1044			15.84	10-10		014	Second Second	-	N.						-	Excitation of Personnel Area		SP	9					
10.7542	David Collar	-		16.80	10.0		49.71	Including of		01/12/14			-		81474		Sector of								$\leq$
	104170	10.00		26.94	10.0		20.00										-								
514,40	Deed	-			10.4		28.71	and the second	Organization		<b>Butteriout</b> #	644 Av. 12 2021 - Jun 1	1222 Date in-222	101 Comparative Dire	miner Protoclarity	H-		Organization		Butterial Article	No. 11 1021 - Jun 19 1989	Date: A	e-19-2011	Sealong deservice: 1	Der
102,88.9	825	-		26.90	10.20		28.9	and of postarbar				The contrast list of	I productive data				and of production				The comparative ten	idency list of Device	productive data		
214030310001		16.28	12	26.00	2104	- 18	14.2	a real	Organization	Passent Trady Mad	ing Tanada Salah	the fails of Denset's 10	to Companying St. Com	Compton No. Pare	Completion a	No lost Power Lovellants	a real	244	Power or Tready	many loads of	Station Patter of Derivative	the Consequences	We longtophill	No-load Power LongHarts	Press
Picash.	Stand OKER		107			1.04	1.04		ROUTEL/VERMS	-		8.0%	100.00	34.3	1010				25.47	15.07			6.40		
	0+10							and the second se	and the second second								and the second se	16-12	10.07	10.11	40.24	75.96	86,17	1.4	



Curve		Ma	nchir	ne l	Jti	lizat	ion	Rat	e		- 4	D	
an investor & Prove Special House Rever & Prove Re	a 2 hour	<ul> <li>Apres Medicing</li> <li>Apres Messagement</li> </ul>	inerer			there had	readers 1 - A	inglie here	Ten -	· · Decent	new Phones I		
Cher Alerato		1. Second Bernstein	Sectors Art	- 490	1.4	fee annual		45× 💼	- 20x - Ca	en Øver		eoritee 🕻	And I ADDRESS OF TAXABLE PARTY.
umption curve	bb0a.	& fearmenter											
		/ mayhave -	han have	box.		attention date: 3 at 13	2021 - Jun 19-2022		Date: 3.0-20.0	-			10.4
		-					Report	of the use ratio :	of welder				
			Name O	Nonite Name	-	Red Two hold PE	Boat Tonio Source(H)	Midny Treats	mus Ethonoging	dening from	Bartanica Days	Beet Function	Effectively Date
		Press Cores	summer a	1210	0.000	-	102.00	101.08	-			114,000	-
		Desire the Refer	10.00	101	80408	1.16	6.81	614	12.04			14,3996	
		Read Property	+10000	REED	2010	2.07	- 14	6.07	0.44			14,29%	(******
		(and a second se		anne	20-01							176	(******
		Committee .	12-03	12-510	2006							- 2%	
		No.	121-02788	wee, 201001	80-04								
		Committee .	19882-188	10004	810-816							0%	_
		Publishe Sale		048	80-08							196	
		Summer of	and the second		\$12.6.6							256	(******
			1.1	2415	20424							191	





# Mobile Terminal

Mobile APP/Applet

# **Function Introduction**

Mobile terminal of Megmeet SMARC system supports mobile APP and WeChat Applet access. Data of mobile terminal is synchronized with the data of cloud platform system in real time. Mobile terminal can monitor welding machines and welders, production statistical report lookup, welder binding with machines, welder scanning workpiece, remote adjustment of parameter by welder, welder receiving welding tasks and other functions. It is able to help users achieve more convenient remote monitoring on mobile terminal , and more efficient digital-management of welding production.

### Diversified Access Methods to the System

- Android 8.0 or above
- IOS12.5 or above
- WeChat Official Accounts

# Functional Module

Mobile Terminal -

## Welder Information Is Bound With Machine

Welder information is able to be bound with welding machine by scanning code.





Android APP QR Code



APPlet QR Code



# Workpiece Scanning

Welder can scan the QR code of workpiece with mobile phone. The WPS parameters to match workpiece can be set in the system, and automatically issued and locked.

家石石明

100%CO2

直流MAG 回信 信

15.AV

15V

# WPS Information Sharing

Welder could share WPS information and look up each other's welding photos and corresponding welding parameters.

# SHARE

# Parameter Adjustment

実さ級制 100%CO2 直流MAG 分別 2歩 100.0% 100.0%

100.0 A

••• Welder can remotely regulate welding current, welding voltage and other parameters.







# My Task

 Welder can receive and submit welding
 tasks in real time, by which, it is able to realize effective intelligent control of various information including production orders, welding equipment, welders, and operating parameters, etc.



# Collection Terminal

Data Collection Applied in Welding & Production Sites

# Gas Flow Detector

It is mainly used in the detection of gas flow, which can realize the functions of real-time monitoring of gas flow, alarm prompt, and consumption statistics.

- Energy Saving &Cost Reduction: Real-time monitoring of gas flow rate can detect the abnormal phenomenon of gas flow exceeding limit or gas leakage, and issue warnings.
- Quality Monitoring: Gas flow value range is set corresponding to each welding current segment, and the real-time welding gas flow speed is monitored. It give an alarm when welding gas flow exceeds limit in order to ensure welding quality.
- Energy Consumption Statistics: Welding gas consumption can be counted in the system, which provides important data basis for cost evaluation of each project.

#### **Technical Specification**

Product Name
Detection Principle
Input Voltage Range
Output Communication Interface
Gas Detection
Detection Range
Detection Accuracy
Max Flow Pressure Loss
Max Working Pressure
Working Temperature
Storage Temperature
Working Humidity







SMARC-GAS FLOWMETER-BV
Thermal Mass Flow Meter
DC 8-24V
RS485
80%Ar+20%CO2
30L/min
±(1.5+0.2FS)
600Pa
0.5MPa
-20~+65°C
-40~+85°C
<95%RH(No icing, No condensation)

### 23/24

# SMARC-2S Intelligent Communication Module

It is mainly used in MEGMEET full series of welding machines. Through digital communication with welding machine, it can collect real-time welding current, welding voltage, wire feeding speed, gas flow and other data during welding process. The data accesses to SMARC cloud platform system through Wi-Fi, EtherNet 4G or other network communication methods to realize welding data collection of MEGMEET welding machine and system terminal issue instructions and parameters to welding machine, which achieves comprehensive informationization management for welding.

#### Features

- Applicable to all MEGMEET welding machines
- Network three-in-one (Wi-Fi/EtherNet/4G)
- Welding parameter monitoring and over-limit alarm
- Gas flow monitoring and alarm

- Welder swipes card to bind with welding machine
- Welder scans workpiece to issue WPS
- Users quickly access Megmeet SMARC system



### System Composition



#### SMARC communication module is embedded-type designed.

Multiple communication interfaces are available for flexible selection.

#### **Technical Specifications**

Product Model		SMARC-2S				
Input Power	48VDC rated, input	voltage range 18~60VDC				
Notwork Mothod	Network Method	Wi-Fi/EtherNet/4G				
Network method	Transmission frequency	15				
	Scanner gun power supply	5V				
Output	Gas flow meter power supply	12V				
	Distributed card reader power supp	ly 12V				
	RS232	Scanner gun or gas flow meter(optional)				
	RS485	Distributed card reader or gas flow meter(Optional)				
External Interface	CAN1 communication	Communicating with welding machine				
	CAN2 communication	Reserved				
	USB to serial port	Software upgrade and network parameter configuration				
Canonical Channel	0~-	9/0~49/0~99				
Expansion Slot	1 SIM card slot (interr	nal), 1 SD card slot (internal)				
Indicator Light	Power li	ght, network light				
Other Functions	Resume transmission after ne	twork disconnection, OTA upgrade				
Working Environment	-40°C~+60°C					
Storage Temperature	-4	40°C~+70°C				
Dimensions LXWXH(mm)	15	58×92.9×40				
Installation Method	Card slot on the back of	machine (fixed by M5 screws)				



# SMARC-2E Welding Data Collector

It is mainly used in DC arc welding machine. Through sensors, it can collect real-time welding current, welding voltage, wire feeding speed, gas flow and other data during welding process. The data accesses to SMARC cloud platform system through Wi-Fi, EtherNet, 4G or other network communication methods to realize welding data collection of various brands of welding machines, which will achieve basic informationization management for welding.

#### Features

- Industrial AC two-phase 380V input power supply
- Network three-in-one(Wi-Fi/EtherNet/4G)
- Welding current collection(DC 0-1300A)
- Welding voltage collection(DC 0-120V)
- Gas flow monitoring and alarm
- $\cdot\,$  Welding parameter monitoring and over-limit alarm
- · Welder swipes card to bind with welding machine
- Welder scans workpiece to issue WPS
- Users quickly access to SMARC system



#### **Technical Specification**

Product Model	\$	SMARC-2E
Input Power	Industrial two-phase power 380VAC:	±30% 50/60HE (power from welding machine)
	Current Measurement Range/Accurac	cy 0-1300ADC/1%
Information Collection	Voltage Measurement Range/Accurac	cy 0-120VDC/±0.5V
	Current Measurement Peak	1500A
	Voltage Measurement Peak	135V
Notwork Mothod	Network Method	Wi-Fi/EtherNet/4G
Network Method	Transmission Interval	15
	Scanner power supply	5V
Output	Gas flow meter power supply	15V
	Distributed card reader power supply	/ 15V
	RS232	Scanner gun or gas flow meter(optional)
External Interface	RS485	Distributed card reader or gas flow meter(optional)
External Interface	CAN2 communication	Reserve
	USB to serial port	Software upgrade and network parameter configuration
	Resume transmissio	n after network disconnection
Other Functions	0	TA upgrade
Working Environment	-2	20°C~+40°C
Storage Temperature	-4	ŀ0°C~+70°C

#### System Composition



Diffe Able





### Different Brands of Welding Machines Are Able To Access Into Megmeet SMARC

# Centralized Card Reader Terminal

It is mainly used for welders to swipe their cards to bind with welding machines and to receive work tasks. Centralized card reader terminal and SMARC system data is synchronized in real time. It not only supports welder to swipe card to bind welding machine and receive job tasks, but also monitors working status and welding parameters of machines in real time. It can be quickly and conveniently installed and used. Visual touch interface makes it easier for welders and managers to view welding information and manage welding&production.



#### Features and Advantages

- Real-time monitoring of welding machine status, welding parameters, and operating welders
- Welders swipe card to bind welding machines to realize the recording and statistics of welding data
- Welders receive work tasks and welding
   production process is digitally managed
- Visual touch interface brings more convenient operation for welders and managers

	SMARC Intelligent Welding Informatization Ter	rminal		A	AER	
MEGME Everyv	ET vhere	: - 3 ···	84408 8 82	A 125 400 A 125 400 A 125 40 A 12	0         #111.4         #080           0         #100.6         #00           0         #100.6         #00           0         #100.6         #00           0         #100.6         #00           0         #100.6         #00           0         #100.6         #00           0         #100.6         #00           0         #100.6         #00	A 100 000 000 000 000 000 000 000 000 00
	COM			B         #212.1         Hill           B         #2.64.2         #5           B         #2.64.2         #5           B         #2.64.2         Hill	$\bigotimes_{0^{444}}^{0110} \sum_{\substack{0^{1444}\\0^{1$	Q 40         #1.1%         100           Q 40         #0.1%         100           Q 40         #0.1%         100           (12.4%         100         100           (12.4%         100         100           (12.4%         100         100           (12.4%         100         100           (12.4%         100         100
	E COLOR			B         A110         A241           B         A110         A240		
Contraction of the local distribution of the						
-		<	_			
CU CU CU CU CU CU CU CU CU CU CU CU CU C			0 •) HANDO D' NAT NPR			6848, 1480 1925 - 149 - 149 1925 - 149 - 149 1925 - 250 1925 - 250
ce mittau van Dora Dora Dora			0 • 885449 17 1755 1755 1755			
CO BERAND YET Yeta Para			0 88408 87 98 99 99 99 99 99 99 99 99 99 99 99 99			
NGE HERRAUM VIII' Diren Diren Diren Diren			सम्बद्ध अन्ध अन्ध			

# **Field Application**







# Industry Cases

Ship/Offshore/Port Machinery Industry





Automobile/Special Vehicle/Pressure Vessel/ Electricity/ Others



