

Welding Process





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DC MMA/STICK Welder

	Module	Subject	Level	Prerequisites	Practical Subject
Level 1 Courses					
Level 1 Courses	Mathematics	Mathematics	Mathematics	Mathematics	Mathematics
	Science	Science	Science	Science	Science
	History	History	History	History	History
	Language	Language	Language	Language	Language
	Physical Education	Physical Education	Physical Education	Physical Education	Physical Education
	Art	Art	Art	Art	Art
	Music	Music	Music	Music	Music
	Health	Health	Health	Health	Health
	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies
	Information Technology	Information Technology	Information Technology	Information Technology	Information Technology
Level 2 Courses					
Level 2 Courses	Mathematics	Mathematics	Mathematics	Mathematics	Mathematics
	Science	Science	Science	Science	Science
	History	History	History	History	History
	Language	Language	Language	Language	Language
	Physical Education	Physical Education	Physical Education	Physical Education	Physical Education
	Art	Art	Art	Art	Art
	Music	Music	Music	Music	Music
	Health	Health	Health	Health	Health
	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies
	Information Technology	Information Technology	Information Technology	Information Technology	Information Technology
Level 3 Courses					
Level 3 Courses	Mathematics	Mathematics	Mathematics	Mathematics	Mathematics
	Science	Science	Science	Science	Science
	History	History	History	History	History
	Language	Language	Language	Language	Language
	Physical Education	Physical Education	Physical Education	Physical Education	Physical Education
	Art	Art	Art	Art	Art
	Music	Music	Music	Music	Music
	Health	Health	Health	Health	Health
	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies
	Information Technology	Information Technology	Information Technology	Information Technology	Information Technology
Level 4 Courses					
Level 4 Courses	Mathematics	Mathematics	Mathematics	Mathematics	Mathematics
	Science	Science	Science	Science	Science
	History	History	History	History	History
	Language	Language	Language	Language	Language
	Physical Education	Physical Education	Physical Education	Physical Education	Physical Education
	Art	Art	Art	Art	Art
	Music	Music	Music	Music	Music
	Health	Health	Health	Health	Health
	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies	Environmental Studies
	Information Technology	Information Technology	Information Technology	Information Technology	Information Technology

Parameters

DC MMA/STICK Welder

[illegible]

DC TIG Welder

Keywords: child sexual abuse; disclosure; social support

[illegible]

Parameters

AC/DC TIG Welder

WINTER AC/DC HF TIG Welding Machine

	Mode	Subcut	Gas	Pulse						Subcut Output
		Subcut Output	Gas Output	Subcut 1	Subcut 2	Subcut 3	Subcut 4	Subcut 5	Subcut 6	
AC Mode										
AC Mode	AC	AC	AC	ON	OFF	1	2	3	4	
		AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
		AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
		AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
		AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
		AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
		AC	AC	ON	OFF	1	2	3	4	
AC Mode										
AC Mode	AC	AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	
AC Mode										
AC Mode	AC	AC	AC	ON	OFF	1	2	3	4	
	AC	AC	AC	ON	OFF	1	2	3	4	

ON OFF

Parameters

MIG/MAG Welder

INVERTER DC MIG/MAG Welding Machine

	Wires	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
Welding Parameters								
Welding	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
Welding Parameters								
Welding	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
Welding Parameters								
Welding	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
Welding Parameters								
Welding	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
Welding Parameters								
Welding	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process
	Welding Wire	Shielding Gas	Electrode	Current	Speed	Heat Input	Welding Position	Welding Process

Welding Wire

DC MMA/STICK WELDER

INVERTER DC MMA/LIFT TIG Welding Machine



TM-160SE²

TM-160SE

TM-200SE

Features & Positioning

- All arc start
- Arc starting, Arc force, Arc start
- Power source compatible with generator
- Intelligent auto thermal logic
- Low Voltage, Overcurrent, Reverse



TM-160SE



TM-160SE



Parameters

Model	TM-160SE	TM-160SE	TM-200SE
Power Source	Transformer	Transformer	Transformer
Input	220V	220V	220V
Output	160A	160A	200A
Output Voltage	18V	18V	18V
Output Current	160A	160A	200A
Output Power	1600W	1600W	2000W
Weight	160kg	160kg	200kg
Dimensions	1600mm	1600mm	2000mm
Input Voltage	220V	220V	220V
Input Current	160A	160A	200A
Input Power	1600W	1600W	2000W
Output Voltage	18V	18V	18V
Output Current	160A	160A	200A
Output Power	1600W	1600W	2000W

NAG/C POWER-500H

100

- 20% provided
- 30% provided. An hour, the more
- 40% provided. An hour, the more
- 50% provided. An hour, the more
- 60% provided. An hour, the more
- 70% provided. An hour, the more
- 80% provided. An hour, the more
- 90% provided. An hour, the more
- 100% provided. An hour, the more

[illegible]

[illegible]

DC TIG WELDER

INVERTER DC HF TIG WELDING MACHINE





DATE	TIME	LOCATION	ACTIVITY	REMARKS
2023-10-26	08:00	Office	Arrived	
2023-10-26	08:30	Office	Meeting with Mr. Smith	
2023-10-26	09:00	Office	Working on report	
2023-10-26	09:30	Office	Meeting with Mr. Jones	
2023-10-26	10:00	Office	Working on report	
2023-10-26	10:30	Office	Meeting with Mr. Brown	
2023-10-26	11:00	Office	Working on report	
2023-10-26	11:30	Office	Meeting with Mr. Green	
2023-10-26	12:00	Office	Lunch break	
2023-10-26	12:30	Office	Working on report	
2023-10-26	13:00	Office	Meeting with Mr. Black	
2023-10-26	13:30	Office	Working on report	
2023-10-26	14:00	Office	Meeting with Mr. White	
2023-10-26	14:30	Office	Working on report	
2023-10-26	15:00	Office	Meeting with Mr. Grey	
2023-10-26	15:30	Office	Working on report	
2023-10-26	16:00	Office	Meeting with Mr. Gold	
2023-10-26	16:30	Office	Working on report	
2023-10-26	17:00	Office	Meeting with Mr. Silver	
2023-10-26	17:30	Office	Working on report	
2023-10-26	18:00	Office	Meeting with Mr. Bronze	
2023-10-26	18:30	Office	Working on report	
2023-10-26	19:00	Office	Meeting with Mr. Copper	
2023-10-26	19:30	Office	Working on report	
2023-10-26	20:00	Office	Meeting with Mr. Iron	
2023-10-26	20:30	Office	Working on report	
2023-10-26	21:00	Office	Meeting with Mr. Steel	
2023-10-26	21:30	Office	Working on report	
2023-10-26	22:00	Office	Meeting with Mr. Lead	
2023-10-26	22:30	Office	Working on report	
2023-10-26	23:00	Office	Meeting with Mr. Tin	
2023-10-26	23:30	Office	Working on report	
2023-10-26	00:00	Office	Meeting with Mr. Zinc	
2023-10-26	00:30	Office	Working on report	
2023-10-26	01:00	Office	Meeting with Mr. Nickel	
2023-10-26	01:30	Office	Working on report	
2023-10-26	02:00	Office	Meeting with Mr. Cobalt	
2023-10-26	02:30	Office	Working on report	
2023-10-26	03:00	Office	Meeting with Mr. Manganese	
2023-10-26	03:30	Office	Working on report	
2023-10-26	04:00	Office	Meeting with Mr. Magnesium	
2023-10-26	04:30	Office	Working on report	
2023-10-26	05:00	Office	Meeting with Mr. Calcium	
2023-10-26	05:30	Office	Working on report	
2023-10-26	06:00	Office	Meeting with Mr. Sodium	
2023-10-26	06:30	Office	Working on report	
2023-10-26	07:00	Office	Meeting with Mr. Potassium	
2023-10-26	07:30	Office	Working on report	
2023-10-26	08:00	Office	Meeting with Mr. Barium	
2023-10-26	08:30	Office	Working on report	
2023-10-26	09:00	Office	Meeting with Mr. Strontium	
2023-10-26	09:30	Office	Working on report	
2023-10-26	10:00	Office	Meeting with Mr. Rubidium	
2023-10-26	10:30	Office	Working on report	
2023-10-26	11:00	Office	Meeting with Mr. Cesium	
2023-10-26	11:30	Office	Working on report	
2023-10-26	12:00	Office	Meeting with Mr. Francium	
2023-10-26	12:30	Office	Working on report	
2023-10-26	13:00	Office	Meeting with Mr. Actinium	
2023-10-26	13:30	Office	Working on report	
2023-10-26	14:00	Office	Meeting with Mr. Thorium	
2023-10-26	14:30	Office	Working on report	
2023-10-26	15:00	Office	Meeting with Mr. Protactinium	
2023-10-26	15:30	Office	Working on report	
2023-10-26	16:00	Office	Meeting with Mr. Uranium	
2023-10-26	16:30	Office	Working on report	
2023-10-26	17:00	Office	Meeting with Mr. Neptunium	
2023-10-26	17:30	Office	Working on report	
2023-10-26	18:00	Office	Meeting with Mr. Plutonium	
2023-10-26	18:30	Office	Working on report	
2023-10-26	19:00	Office	Meeting with Mr. Americium	
2023-10-26	19:30	Office	Working on	



Variable	2008-2009	2009-2010	2010-2011
1. <i>Staphylococcus aureus</i>	10	10	10
2. <i>Escherichia coli</i>	10	10	10
3. <i>Salmonella</i>	10	10	10
4. <i>Shigella</i>	10	10	10
5. <i>Yersinia</i>	10	10	10
6. <i>Campylobacter</i>	10	10	10
7. <i>Legionella</i>	10	10	10
8. <i>Pseudomonas</i>	10	10	10
9. <i>Acinetobacter</i>	10	10	10
10. <i>Klebsiella</i>	10	10	10
11. <i>Moraxella</i>	10	10	10
12. <i>Neisseria</i>	10	10	10
13. <i>Haemophilus</i>	10	10	10
14. <i>Streptococcus</i>	10	10	10
15. <i>Corynebacterium</i>	10	10	10
16. <i>Mycobacterium</i>	10	10	10
17. <i>Moraxella</i>	10	10	10
18. <i>Neisseria</i>	10	10	10
19. <i>Haemophilus</i>	10	10	10
20. <i>Streptococcus</i>	10	10	10
21. <i>Corynebacterium</i>	10	10	10
22. <i>Mycobacterium</i>	10	10	10
23. <i>Moraxella</i>	10	10	10
24. <i>Neisseria</i>	10	10	10
25. <i>Haemophilus</i>	10	10	10
26. <i>Streptococcus</i>	10	10	10
27. <i>Corynebacterium</i>	10	10	10
28. <i>Mycobacterium</i>	10	10	10
29. <i>Moraxella</i>	10	10	10
30. <i>Neisseria</i>	10	10	10
31. <i>Haemophilus</i>	10	10	10
32. <i>Streptococcus</i>	10	10	10
33. <i>Corynebacterium</i>	10	10	10
34. <i>Mycobacterium</i>	10	10	10
35. <i>Moraxella</i>	10	10	10
36. <i>Neisseria</i>	10	10	10
37. <i>Haemophilus</i>	10	10	10
38. <i>Streptococcus</i>	10	10	10
39. <i>Corynebacterium</i>	10	10	10
40. <i>Mycobacterium</i>	10	10	10
41. <i>Moraxella</i>	10	10	10
42. <i>Neisseria</i>	10	10	10
43. <i>Haemophilus</i>	10	10	10
44. <i>Streptococcus</i>	10	10	10
45. <i>Corynebacterium</i>	10	10	10
46. <i>Mycobacterium</i>	10	10	10
47. <i>Moraxella</i>	10	10	10
48. <i>Neisseria</i>	10	10	10
49. <i>Haemophilus</i>	10	10	10
50. <i>Streptococcus</i>	10	10	10
51. <i>Corynebacterium</i>	10	10	10
52. <i>Mycobacterium</i>	10	10	10
53. <i>Moraxella</i>	10	10	10
54. <i>Neisseria</i>	10	10	10
55. <i>Haemophilus</i>	10	10	10
56. <i>Streptococcus</i>	10	10	10
57. <i>Corynebacterium</i>	10	10	10
58. <i>Mycobacterium</i>	10	10	10
59. <i>Moraxella</i>	10	10	10
60. <i>Neisseria</i>	10	10	10
61. <i>Haemophilus</i>	10	10	10
62. <i>Streptococcus</i>	10	10	10
63. <i>Corynebacterium</i>	10	10	10
64. <i>Mycobacterium</i>	10	10	10
65. <i>Moraxella</i>	10	10	10
66. <i>Neisseria</i>	10	10	10
67. <i>Haemophilus</i>	10	10	10
68. <i>Streptococcus</i>	10	10	10
69. <i>Corynebacterium</i>	10	10	10
70. <i>Mycobacterium</i>	10	10	10
71. <i>Moraxella</i>	10	10	10
72. <i>Neisseria</i>	10	10	10
73. <i>Haemophilus</i>	10	10	10
74. <i>Streptococcus</i>	10	10	10
75. <i>Corynebacterium</i>	10	10	10
76. <i>Mycobacterium</i>	10	10	10
77. <i>Moraxella</i>	10	10	10
78. <i>Neisseria</i>	10	10	10
79. <i>Haemophilus</i>	10	10	10
80. <i>Streptococcus</i>	10	10	10
81. <i>Corynebacterium</i>	10	10	10
82. <i>Mycobacterium</i>	10	10	10
83. <i>Moraxella</i>	10	10	10

AC/DC TIG WELDER

INVERTER AC/DC HF TIG WELDING MACHINE



MAGIC AC GT15-200E
MAGIC AC GT15-200EP

100

- **Reduced power consumption** → Environment is made more eco-friendly, high energy-efficiency performance and **durability**
- **Anti-vibrating**, **Anti-fume**, **Hot spot**
- **2.4GHz Wi-Fi operation**, **Smart Wi-Fi setting**
- **Microprocessor power control**
- **Highly air-tightening (IP-68)** → **Waterproof**
- **Security** → **lockdown** → **Wi-Fi** → **locking** → **interference** → **more secure**
- **Self-heating** → **low consumption**, **increase Wi-Fi** → **displays** and **led** → **costs**
- **Remote control**
- **Smart/semi-automatic** → **Smart display**, **low display**, **low current**, **low cost**
- **Full technology** → **Simple** → **price** → **input** → **low** → **to** → **offer** → **more** → **benefits** → **the** → **easy** → **using**
- **Full** → **Feature** → **function** → **using** → **high** → **performance** → **and** → **reliable** → **(Wi-Fi)** → **AC** → **with** → **more**



Description		Period: 1st Quarter 2024											
Category		Sub-Category A						Sub-Category B					
Item		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Section 1	Item 1.1	10	20	30	40	50	60	70	80	90	100	110	120
	Item 1.2	15	25	35	45	55	65	75	85	95	105	115	125
	Item 1.3	20	30	40	50	60	70	80	90	100	110	120	130
	Item 1.4	25	35	45	55	65	75	85	95	105	115	125	135
Section 2	Item 2.1	30	40	50	60	70	80	90	100	110	120	130	140
	Item 2.2	35	45	55	65	75	85	95	105	115	125	135	145
	Item 2.3	40	50	60	70	80	90	100	110	120	130	140	150
	Item 2.4	45	55	65	75	85	95	105	115	125	135	145	155
Section 3	Item 3.1	50	60	70	80	90	100	110	120	130	140	150	160
	Item 3.2	55	65	75	85	95	105	115	125	135	145	155	165
	Item 3.3	60	70	80	90	100	110	120	130	140	150	160	170
	Item 3.4	65	75	85	95	105	115	125	135	145	155	165	175
Section 4	Item 4.1	70	80	90	100	110	120	130	140	150	160	170	180
	Item 4.2	75	85	95	105	115	125	135	145	155	165	175	185
	Item 4.3	80	90	100	110	120	130	140	150	160	170	180	190
	Item 4.4	85	95	105	115	125	135	145	155	165	175	185	195
Section 5	Item 5.1	90	100	110	120	130	140	150	160	170	180	190	200
	Item 5.2	95	105	115	125	135	145	155	165	175	185	195	205
	Item 5.3	100	110	120	130	140	150	160	170	180	190	200	210
	Item 5.4	105	115	125	135	145	155	165	175	185	195	205	215

MAGIC AC GT15-3000



100

- [illegible]



100

Variable	Sample 1 (n=100)				Sample 2 (n=100)			
Mean (M)	1.50 (SD=0.50)				1.50 (SD=0.50)			
Standard Deviation (SD)	0.50				0.50			
Skewness	0.00				0.00			
Kurtosis	3.00				3.00			
Minimum	1.00				1.00			
Maximum	2.00				2.00			
Range	1.00				1.00			
Interquartile Range (IQR)	0.50				0.50			
Median	1.50				1.50			
Mode	1.50				1.50			
Trimmed Mean (5%)	1.50				1.50			
Weighted Mean	1.50				1.50			
Geometric Mean	1.50				1.50			
Harmonic Mean	1.50				1.50			
Root Mean Square (RMS)	1.50				1.50			
Sum of Squares	50.00				50.00			
Sum of Cubes	125.00				125.00			
Sum of Fourth Powers	312.50				312.50			
Sum of Fifth Powers	781.25				781.25			
Sum of Sixth Powers	1953.12				1953.12			
Sum of Seventh Powers	4882.81				4882.81			
Sum of Eighth Powers	12109.37				12109.37			
Sum of Ninth Powers	30517.58				30517.58			
Sum of Tenth Powers	75937.50				75937.50			
Sum of Eleventh Powers	189941.41				189941.41			
Sum of Twelfth Powers	478203.12				478203.12			
Sum of Thirteenth Powers	1196093.75				1196093.75			
Sum of Fourteenth Powers	2980468.75				2980468.75			
Sum of Fifteenth Powers	7460937.50				7460937.50			
Sum of Sixteenth Powers	18701171.88				18701171.88			
Sum of Seventeenth Powers	46752929.69				46752929.69			
Sum of Eighteenth Powers	116977539.06				116977539.06			
Sum of Nineteenth Powers	292441406.25				292441406.25			
Sum of Twentieth Powers	726632812.50				726632812.50			
Sum of Twenty-First Powers	1816601562.50				1816601562.50			
Sum of Twenty-Second Powers	4541503906.25				4541503906.25			
Sum of Twenty-Third Powers	11353759765.62				11353759765.62			
Sum of Twenty-Four Powers	28370240000.00				28370240000.00			
Sum of Twenty-Fifth Powers	70922851562.50				70922851562.50			
Sum of Twenty-Six Powers	177304687500.00				177304687500.00			
Sum of Twenty-Seven Powers	443261718750.00				443261718750.00			
Sum of Twenty-Eight Powers	1108126953125.00				1108126953125.00			
Sum of Twenty-Nine Powers	2770317382812.50				2770317382812.50			
Sum of Thirtieth Powers	6925781250000.00				6925781250000.00			
Sum of Thirty-First Powers	17314531250000.00				17314531250000.00			
Sum of Thirty-Second Powers	43276367187500.00				43276367187500.00			
Sum of Thirty-Third Powers	108190917968750.00				108190917968750.00			
Sum of Thirty-Four Powers	270477265625000.00				270477265625000.00			
Sum of Thirty-Fifth Powers	676193164062500.00				676193164062500.00			
Sum of Thirty-Six Powers	1690482912500000.00				1690482912500000.00			
Sum of Thirty-Seven Powers	42262072656250000.00				42262072656250000.00			
Sum of Thirty-Eight Powers	105655180468750000.00				105655180468750000.00			
Sum of Thirty-Nine Powers	2641379531250000000.00				2641379531250000000.00			
Sum of Forty Powers	6603437500000000000.00				6603437500000000000.00			
Sum of Forty-First Powers	165085937500000000000.00				165085937500000000000.00			
Sum of Forty-Second Powers	4127148437500000000000.00				4127148437500000000000.00			
Sum of Forty-Third Powers	103178710937500000000000.00				103178710937500000000000.00			
Sum of Forty-Four Powers	2579467773437500000000000.00				2579467773437500000000000.00			
Sum of Forty-Fifth Powers	64486694328125000000000000.00				64486694328125000000000000.00			
Sum of Forty-Six Powers	1612167357617187500000000000.00				1612167357617187500000000000.00			
Sum of Forty-Seven Powers	40304183937890625000000000000.00				40304183937890625000000000000.00			
Sum of Forty-Eight Powers	100760459843750000000000000000.00				100760459843750000000000000000.00			
Sum of Forty-Nine Powers	2519011496093750000000000000000.00				2519011496093750000000000000000.00			
Sum of Fiftieth Powers	62975287656250000000000000000000.00				62975287656250000000000000000000.00			

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[illegible]

Category	2010	2011	2012	2013	2014	2015
1. General Information						
1.1. Project Name						
1.2. Project Manager						
1.3. Project Sponsor						
1.4. Project Start Date						
1.5. Project End Date						
1.6. Project Budget						
1.7. Project Status						
1.8. Project Description						
1.9. Project Objectives						
1.10. Project Risks						
1.11. Project Deliverables						
1.12. Project Stakeholders						
1.13. Project Communication Plan						
1.14. Project Change Management						
1.15. Project Quality Management						
1.16. Project Risk Management						
1.17. Project Resource Management						
1.18. Project Procurement Management						
1.19. Project Stakeholder Management						
1.20. Project Integration Management						
1.21. Project Monitoring and Evaluation						
1.22. Project Reporting						
1.23. Project Closure						
1.24. Project Archiving						
1.25. Project Review						
1.26. Project Lessons Learned						
1.27. Project Feedback						
1.28. Project Improvement						
1.29. Project Success						
1.30. Project Conclusion						

NAG/CAC TG 3500

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- **Real-time** – All data, stored
- **Operational systems** – Easy to access
- **OLAP** – Data mining
- **Business intelligence** – Data for business decisions
- **Enterprise data warehouse** – All data, stored
- **Operational systems** – Easy to access
- **OLAP** – Data mining
- **Business intelligence** – Data for business decisions

[illegible]

MIG/MAG WELDER

INVERTER AC/DC GAS WELDING MACHINE



MAGIC MIG 200PIC MAGIC MIG 250PIC

Positional Features

- 4-position MIG/MAG torch in variety of configurations (short and standard) (MIG/MAG 200PIC/MAG 250PIC)
- Heavy handrest (short) for recording (MIG/MAG 200PIC/MAG 250PIC)
- Torches (MIG/MAG 200PIC/MAG 250PIC)
- Multiprocessor (MIG/MAG 200PIC/MAG 250PIC)
- Multiprocessor (MIG/MAG 200PIC/MAG 250PIC)
- Multiprocessor (MIG/MAG 200PIC/MAG 250PIC)
- Multiprocessor (MIG/MAG 200PIC/MAG 250PIC)
- Multiprocessor (MIG/MAG 200PIC/MAG 250PIC)



Features

Model	MIG/MAG 200PIC	MIG/MAG 250PIC
Power (kW)	1.5	2.0
Current (A)	200	250
Voltage (V)	220	220
Frequency (Hz)	50	50
Weight (kg)	15	20
Dimensions (mm)	200 x 150 x 100	250 x 150 x 100
Input (kW)	1.5	2.0
Output (kW)	1.5	2.0
Efficiency (%)	85	85
Power factor	0.95	0.95
Current (A)	200	250
Voltage (V)	220	220
Frequency (Hz)	50	50
Weight (kg)	15	20
Dimensions (mm)	200 x 150 x 100	250 x 150 x 100
Input (kW)	1.5	2.0
Output (kW)	1.5	2.0
Efficiency (%)	85	85
Power factor	0.95	0.95
Current (A)	200	250
Voltage (V)	220	220
Frequency (Hz)	50	50
Weight (kg)	15	20
Dimensions (mm)	200 x 150 x 100	250 x 150 x 100

MAG | C | GN | G 200P
MAG | C | GN | G 200C

Abstract

- [illegible]

[illegible]

Date		Time		Location		Weather		Wind		Sea		Visibility		Remarks	
1	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30
2	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
3	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
4	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
5	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
6	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
7	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
8	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
9	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
10	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
11	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
12	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
13	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
14	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
15	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
16	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
17	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
18	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
19	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
20	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
21	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
22	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	
23	10/10/2023	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	

NAG/C GUN TIG HF ZINC



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- **all for free**
- **Automatic** network security if parameter stream **authenticated**
- **Explicit** parameter **integrity** if **MAC** (no **Comp** or **AE**)
- **Automatic** confidentiality if parameter **integrity** and **stream confidentiality** if **MAC** (no **Comp**)
- **Explicit** parameter **integrity** if **MAC** (no **Comp** or **AE**)
- **Authenticated** **parameter confidentiality**
- **Protected** and **unprotected** **payload**
- **Fast** **flushing** (no **compression**, **retrans**)
- **AEAD** **stream**
- **AEAD** **header** (single **stream** input from **MAC** (no **Comp**), **stream** **forward** **stream** **integrity**)
- **Memory** **authenticated** **stream** for **streaming** (**MAC** (no **Comp**), **AEAD**)
- **Raw** **stream**

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MAGIC GMIG 250P MAGIC GMIG 250C



Functions & Features

- **4 MODELS** (250P, 250C, 250D, 250E) with 250A output
- **Two MAG processes** (MIG/MAG) in one unit
- **Temperature-protection system**
- **Integrated auto-sensing** with Generator
- **Self-protecting** for consumption, constant duty factor
- **EMC technology** (high power electrical filter) (EMC Powerfilter) for energy saving
- **Memory function** (storage) for working (MIG/MAG) setting



Control panel view



Parameters

Model	Output power				Output current				Output voltage				Efficiency				Duty cycle			
	250P	250C	250D	250E	250P	250C	250D	250E	250P	250C	250D	250E	250P	250C	250D	250E	250P	250C	250D	250E
Output power (kW)	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Output current (A)	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Output voltage (V)	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Efficiency (%)	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
Duty cycle (%)	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Weight (kg)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Dimensions (mm)	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300

MAGIC OM3 250P PLUS
MAGIC OM3 250C PLUS

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HB-500

Functions & Features

- Strong HB-500 with excellent welding performance
- Built-in digital flow controller, pressure 0.05-0.15 MPa
- Auto air preheating
- Temperature control, auto stop
- 100% duty cycle, 100% power
- 100% duty cycle, 100% power

Options



Parameters

Parameter	Value
Model	HB-500
Power	500W
Current	10-15A
Voltage	220V
Frequency	50/60Hz
Weight	10kg
Dimensions	200x200x200mm
Material	Aluminum
Warranty	1 Year
Accessories	Welding torch, cables, etc.

MAGIC AC/DC GMIG

INVERTER AC/DC GMIG WELDING MACHINE



MAGIC OF WATER ZINC



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PLASMA CUTTER

INVERTER PLASMA CUTTING MACHINE



MAGIC CUT-45EC165EC185EC



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Project Name	Project Manager	Project Sponsor	Project Status
Project A	John Doe	Jane Smith	Completed
Project B	Jane Smith	John Doe	In Progress
Project C	John Doe	Jane Smith	On Hold
Project D	Jane Smith	John Doe	Completed
Project E	John Doe	Jane Smith	In Progress
Project F	Jane Smith	John Doe	On Hold
Project G	John Doe	Jane Smith	Completed
Project H	Jane Smith	John Doe	In Progress
Project I	John Doe	Jane Smith	On Hold
Project J	Jane Smith	John Doe	Completed

MAD/C OUT-105EC

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1. General Information		2. Financial Data			
Company Name: ABC Corp.		Revenue (USD)	Expenses (USD)	Profit (USD)	Net Income (USD)
Reporting Period: Q1 2023		Total: 1,200,000			
Revenue Breakdown		Product A	Product B	Product C	Product D
Expenses Breakdown		150,000	300,000	250,000	200,000
Profitability Analysis		100,000	250,000		150,000
Key Metrics		Gross Margin: 41.7%			
Notes		All figures are estimates and subject to audit.			
Prepared by: John Doe		Revenue (USD)	Expenses (USD)	Profit (USD)	Net Income (USD)
Reviewed by: Jane Smith		1,200,000	300,000	900,000	150,000
Date: 2023-03-31		Total: 1,500,000		Total: 1,500,000	
Status: Final		All figures are estimates and subject to audit.			
Comments		All figures are estimates and subject to audit.			
Signature: [Signature]		Signature: [Signature]			
Title: [Title]		Title: [Title]			
Date: 2023-03-31		Date: 2023-03-31			
Version: 1.0		Version: 1.0			
Page: 1 of 1		Page: 1 of 1			

INDUSTRY VERSION

INVERTER WELDING MACHINE



FIGHTER SERIES

INVERTER WELDING MACHINE



Fighter TIG 315CEL Fighter TIG 400CEL



Functional Features

- Self-Starting, Arc force, Hot start, Arc length
- MODU-Cycle control
- High OCE Ratio (2:1) for electrode cap.
- 100-1000 Hz
- Intelligent protection: Low voltage, Overcurrent, Overheat
- IGBT Module adopt IGBT module more compact and efficient production
- IP23 level is suitable
- Flange panel suitable
- Remote control (not yet approved) (optional motor tool)
- Water shortage alarm, Built-in water line sensor



Parameters

Model	Fighter TIG 315CEL	Fighter TIG 400CEL
Power Source	DC TIG	DC TIG
Input Power	1000W	1000W
Output Power	315W	400W
Rated Current	31.5A	40A
Rated Voltage	220V	220V
Rated Frequency	50/60Hz	50/60Hz
Rated Duty Cycle	60%	60%
Rated Efficiency	85%	85%
Rated Protection	IP23	IP23
Rated Temperature	40°C	40°C
Rated Humidity	90%	90%
Rated Altitude	1000m	1000m
Rated Weight	10kg	10kg
Rated Dimensions	220mm x 220mm x 220mm	220mm x 220mm x 220mm
Rated Accessories	Electrode holder, TIG torch, Gas cylinder, Water line, Remote control	Electrode holder, TIG torch, Gas cylinder, Water line, Remote control

Figure 10-350

Fighter 10-900

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- **Water input:** correct, always in excess
- **Water potential:** correct, $\psi_{\text{leaf}} > \psi_{\text{root}}$ in xylem
- **Water uptake:**
- **Gas uptake:** CO₂ is not gas
- **Assimilation:** correct, not water
- **Current growth and flux:** time dependent
- **Diffusion:** correct, $\psi_{\text{leaf}} > \psi_{\text{root}}$
- **Root functioning:** low transpiration, increase the surface area of the root
- **Root growth:** correct, $\psi_{\text{leaf}} > \psi_{\text{root}}$



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FIGHTER CUT 200

Features & Functions

- **Phase** (D/C) function supported
- **Phase** control, **Working Mode** (CUT/ON/Storage)
- **Phase** LCD screen, variety of parameters are shown simultaneously with various error codes display
- **Intelligent protection** Overcurrent, Overheat alarm, Phase-loss protection, Low and high voltage protection
- **Soft Starting** Low consumption, increase the service life of the motor, and full load
- **Self-protection** when phase loss and short circuit
- **Stop up and stop down**
- **Memory recall** and groups of setting parameters
- **Automatic** recommendation setting parameters
- **Water cool and air-cooled**
- **Temperature** (40°C and 50°C)



Parameters

Parameter	Value
Model	FIGHTER CUT 200
Power	2000W
Current	10A
Voltage	220V
Frequency	50Hz
Phase	Single Phase
Working Mode	CUT/ON/Storage
Protection	Overcurrent, Overheat, Phase-loss, Low and high voltage
Soft Starting	Yes
Self-protection	Yes
Stop up and stop down	Yes
Memory recall	Yes
Automatic recommendation	Yes
Water cool and air-cooled	Yes
Temperature	40°C and 50°C

EASY SERIES

INVERTER WELDING MACHINE



EASY JOB 1200V CEL EASY JOB 1600V

Functions/Features

- Easy to operate, used in one step only, forward
- Easy to adjust settings, suitable for 120-1600V range
- Forward Switching, with speed control system, auto stop
- High 1200V/1600V, 1200V/1600V, 1200V/1600V, 1200V/1600V
- 1200V/1600V, 1200V/1600V, 1200V/1600V, 1200V/1600V
- 1200V/1600V, 1200V/1600V, 1200V/1600V, 1200V/1600V
- 1200V/1600V, 1200V/1600V, 1200V/1600V, 1200V/1600V



1200V/1600V

General



Particulars

Model	EASY JOB 1200V				EASY JOB 1600V			
	Power (kW)	Current (A)	Voltage (V)	Frequency (Hz)	Power (kW)	Current (A)	Voltage (V)	Frequency (Hz)
Model	1200	1200	1200	1200	1600	1600	1600	1600
Power (kW)	1200	1200	1200	1200	1600	1600	1600	1600
Current (A)	1200	1200	1200	1200	1600	1600	1600	1600
Voltage (V)	1200	1200	1200	1200	1600	1600	1600	1600
Frequency (Hz)	1200	1200	1200	1200	1600	1600	1600	1600
Weight (kg)	1200	1200	1200	1200	1600	1600	1600	1600
Dimensions (mm)	1200	1200	1200	1200	1600	1600	1600	1600
Input Power (kW)	1200	1200	1200	1200	1600	1600	1600	1600
Output Power (kW)	1200	1200	1200	1200	1600	1600	1600	1600
Efficiency (%)	1200	1200	1200	1200	1600	1600	1600	1600
Protection Class	1200	1200	1200	1200	1600	1600	1600	1600
Warranty (years)	1200	1200	1200	1200	1600	1600	1600	1600
Accessories	1200	1200	1200	1200	1600	1600	1600	1600
Notes	1200	1200	1200	1200	1600	1600	1600	1600

EASY JOB 140/160/210



Functional Features

- Easy to operate, control knob and push button
- Inverter technology, 100% adjustable, better quality, lower loss
- Self-cleaning Air Filter, 100% dust
- 100% automatic, 100% power, 100% power, 100% power



Performance

Model	140	160	210
Power (kW)	1.4	1.6	2.1
Current (A)	140	160	210
Input Voltage (V)	230	230	230
Output Voltage (V)	230	230	230
Frequency (Hz)	50	50	50
Efficiency (%)	85	85	85
Weight (kg)	14	16	21
Dimensions (mm)	140x160x210	160x160x210	210x160x210
Input Power (kW)	1.4	1.6	2.1
Output Power (kW)	1.4	1.6	2.1
Current (A)	140	160	210
Frequency (Hz)	50	50	50
Efficiency (%)	85	85	85
Weight (kg)	14	16	21
Dimensions (mm)	140x160x210	160x160x210	210x160x210
Input Power (kW)	1.4	1.6	2.1
Output Power (kW)	1.4	1.6	2.1
Current (A)	140	160	210
Frequency (Hz)	50	50	50
Efficiency (%)	85	85	85
Weight (kg)	14	16	21
Dimensions (mm)	140x160x210	160x160x210	210x160x210

EASY ■ **10** 140-148

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Category	2010-2011	2011-2012	2012-2013
1. General	1.1	1.2	1.3
2. Specific	2.1	2.2	2.3
3. Detailed	3.1	3.2	3.3
4. Subtotal	4.1	4.2	4.3
5. Total	5.1	5.2	5.3
6. Notes	6.1	6.2	6.3
7. Appendix	7.1	7.2	7.3
8. References	8.1	8.2	8.3
9. Bibliography	9.1	9.2	9.3
10. Index	10.1	10.2	10.3
11. Glossary	11.1	11.2	11.3
12. Acknowledgments	12.1	12.2	12.3
13. Disclaimer	13.1	13.2	13.3
14. Contact Information	14.1	14.2	14.3
15. Revision History	15.1	15.2	15.3
16. Approval	16.1	16.2	16.3
17. Distribution	17.1	17.2	17.3
18. Archiving	18.1	18.2	18.3
19. Security	19.1	19.2	19.3
20. Compliance	20.1	20.2	20.3
21. Legal	21.1	21.2	21.3
22. Privacy	22.1	22.2	22.3
23. Accessibility	23.1	23.2	23.3
24. Sustainability	24.1	24.2	24.3
25. Ethics	25.1	25.2	25.3
26. Quality	26.1	26.2	26.3
27. Risk	27.1	27.2	27.3
28. Change	28.1	28.2	28.3
29. Communication	29.1	29.2	29.3
30. Project	30.1	30.2	30.3
31. Management	31.1	31.2	31.3
32. Planning	32.1	32.2	32.3
33. Execution	33.1	33.2	33.3
34. Monitoring	34.1	34.2	34.3
35. Closing	35.1	35.2	35.3
36. Evaluation	36.1	36.2	36.3
37. Improvement	37.1	37.2	37.3
38. Feedback	38.1	38.2	38.3
39. Review	39.1	39.2	39.3
40. Summary	40.1	40.2	40.3

