



GAS EQUIPMENT

Contact Us

DEM MACHINERY CO.,LTD

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About DEM

Development, Efficiency, and Management, that is DEM.

DEM was founded in 2009 with a desire to develop welding & cutting products . DEM built its own R&D division, and quality control team, a stable supply chain system of a manufacturing facility in China. Offer ODM & OEM service.

DEM has grown to become a professional supplier of welding equipment and relative products. All products are manufactured in strict accordance with international standards ISO 9001, RoHS and a series certified.

DEM has a worldwide customer base, which buys both its own branded products and DEM branded products to meet market needs.





Line Cutting

IK-12



Cutting Thickness	5 ~ 100 mm
Cutting Speed	150 ~ 800 mm / min
Power	AC 42 / 110 / 220 V 50 / 60 HZ
Weight	11.5 kg (one torch) / 6kg 13 kg (two torches) / 6kg
Size	42 * 24 * 29 cm / 183 * 20 * 3 cm
Accessories	One (1) torch One (1) - 72 " (1800 mm) track Three (3) tips ANME 1 # , 2 # , 3 #

IK-12MAX



Cutting Thickness	6 ~ 100 mm
Cutting Speed	80 ~ 800 mm / min
Circle Cutting	Φ 40 ~ 2650 mm
Power	AC 42 / 110 / 220 V 50 / 60 HZ
Bevels	0 ° to 45 °
Weight	15 kg / 6 kg
Size	60 * 18 * 23 cm / 183 * 20 * 3 cm
Accessories	One (1) torch One (1) - 72 " (1800 mm) track Three (3) tips ANME 1 # , 2 # , 3 #

IK-12MAXII

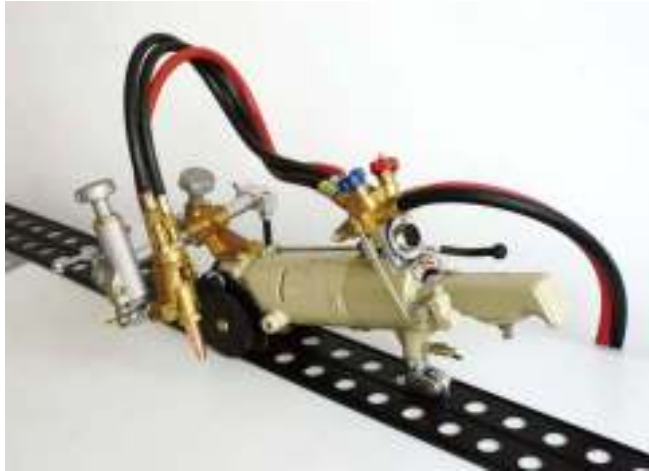


Cutting Thickness	6 ~ 100 mm
Cutting Speed	80 ~ 800 mm / min
Circle Cutting	Φ 40 ~ 2650 mm
Power	AC 42 / 110 / 220 V 50 / 60 HZ
Bevels	0 ° to 45 °
Weight	15 kg / 6 kg
Size	60 * 18 * 23 cm / 183 * 20 * 3 cm
Accessories	Two (2) torches One (1) - 72 " (1800 mm) track Three (3) tips ANME 1 # , 2 # , 3 #



Line Cutting

CG1-30K



Cutting Thickness	6 - 100 mm
Cutting Speed	50-750 mm / min
Power	AC 220 V 50 / 60 HZ
Dia Of Circle	Φ 200 - 2000 mm
Weight	27 kg / 6 kg
Size	47 * 23 * 24 cm / 183 * 20 * 3 cm
Accessories	One (1) torch One (1) - 72 " (1800 mm) track Three (3) tips ANME 1 # , 2 # , 3 #

CG1-30



Cutting Thickness	6 - 100 mm
Cutting Speed	50 - 750 mm / min
Power	AC 220 V 50 / 60 HZ
Dia Of Circle	Φ 200 - 2000 mm
Weight	16.5 kg / 6 kg
Size	63 * 39 * 35 cm / 183 * 20 * 3 cm
Accessories	One (1) torch One (1) - 72 " (1800 mm) track Three (3) tips ANME 1 # , 2 # , 3 #

KC-93

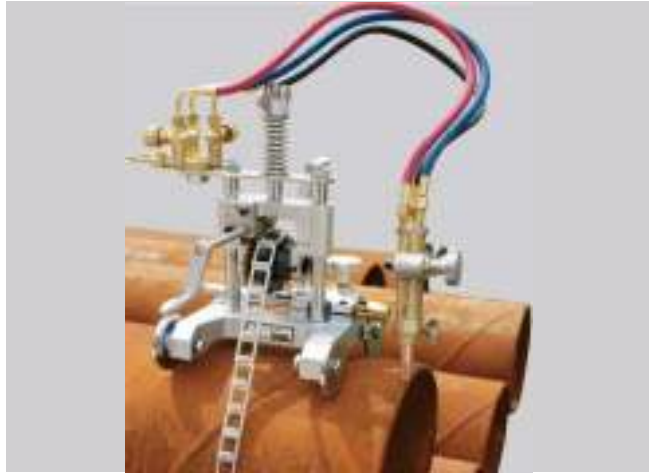


Cutting Thickness	5 - 100 mm (1 / 8 - 4 in)
Cutting Speed	10 - 100 mm / min (4 - 40 in / min)
Speed Control	Controller IC (dial adjustment)
Power Supply	AC 120 V
Overall Length	380 mm (15 in)
Weight	7.2 kg (16 lbs) / 6kg
Accessories	One (1) torch One (1) - 72 " (1800mm) track Three (3) tips ANME 1 # , 2 # , 3 #



Pipe Cutting

CG2-11G



Cutting Thickness	Up to 50 mm (2 ")
Pipe Diameter	Φ 100 ~ 600 mm (4 ~ 24 ")
Cutting Shape	I, V (up to 45 °)
Drive Method	Manual
Weight	10 kg (22 lbs)
Size	340 * 340 * 330 mm
Accessories	One (1) torch One (1) 2400mm chain Three (3) tips ANME
Δ Over 600 mm by extra chain addition	

CG2-11



Cutting Thickness	6 - 50 mm
Cutting Diameter	> Φ 108 mm
Cutting Speed	50 - 750 mm / min
Power	AC 220 / 110 / 47V 50 / 60 HZ
Weight	21 kg
Size	350 * 310 * 180 mm
Accessories	One (1) torch Three (3) tips ANME
Δ Dia > 600 mm the guider band is optional	

CG2-11D



Cutting Thickness	6 - 50 mm
Pipe Diameter	Φ 150 ~ 600 mm
Cutting Shape	I, V (up to 45 °)
Drive Method	Automatic
Power	AC 220 / 110 / 47 V 50 / 60 HZ
Weight	16 kg
Size	265 * 420 * 450 mm
Accessories	One (1) torch One (1) 2400mm chain Three (3) tips ANME



Pipe Cutting

CG2-11S



Cutting Thickness	UP to 50 mm
Pipe Diameter	> Ø 250 mm
Cutting Shape	I , V (up to 45 °)
Drive Method	Manual
Weight	16.5 kg
Size	515 * 370 * 510 mm
Accessories	One (1) torch One (1) 2400mm chain Three (3) tips ANME

KC-600D



Cutting Thickness	5 - 50 mm
Cutting Speed	0.14 - 1.2 (rpm)
Cutting Shape	I , V (≤ 45 °)
Cutting Diameter	Ø 80 - 600 mm
Weight	49 kg
Size	1,060 * 560 * 820 mm
Power	AC 220 / 110V 50 / 60 HZ
Accessories	One (1) torch Three (3) tips ANME

CG2-600



Cutting Thickness	6 ~ 50 mm
Cutting Speed	S . C . R contro
Dia Of Cutting	Ø 30 - 600 mm
Power	AC 110 / 220 V 50 / 60 HZ
Weight	15 kg
Size	750 * 300 * 700 mm
Accessories	One (1) torch Three (3) cutting tips



Profiling Cutting

CG2-2700



Max Cutting Rectangle	650 * 2500 mm
Max Cutting Square	1900 * 1900 mm
Circle Cutting Area	Φ 20 - 2700 mm
Max Cutting Length	2500 mm
Max Cutting Thickness	100 mm
Gross Weight	114 kg
Size	1300 * 4800 * 800 mm
Power	AC 220 / 110 V 50 / 60 Hz

Circle Cutting

CG2-150



Cutting Thickness	6 - 100 mm
Cutting Speed	50 - 750 mm / min
Dia Of Circle	Φ 20 - 600 mm
Length Of Line Cutting	1200 mm
Max Cutting Square	500 * 500 mm
Max Cutting Rectangle	400 * 900 mm 450 * 750 mm
Power	AC 42 / 110 / 220 V 50 / 60 HZ
Weight	55 kg
Size	760 * 400 * 840 mm
Accessories	One (1) torch Three (3) tips ANME

Portable Automatic Hand Cutting Torch



Model No.	Drive system	Speed control	Length	Cutting thickness	Cutting speed	Weight
Handy Auto Plus (Hummer plus)	Friction drive	By transistor	500 mm	5-30 mm	150-530 mm/min	3.50 kg
Handy Auto (Hummer STD) W/o the ignition function						



CNC Portable Cutting

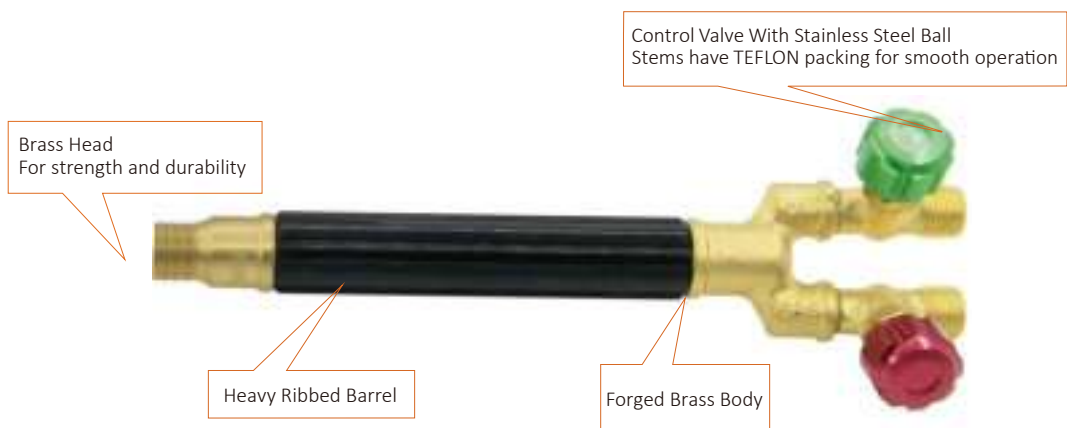
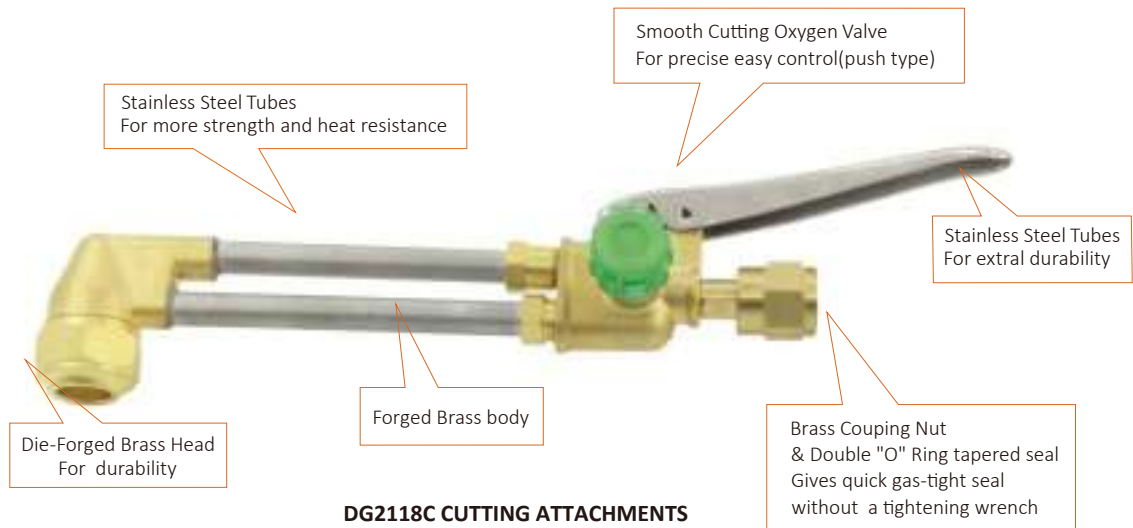


The CNC machine is an affordable, portable oxy-fuel cutting machine capable of cutting any complex planar shapes. Its improved portability and operability will undoubtedly contribute to streamlining cutting operations and saving labor.





DG2118 Medium Duty



1. Die-Forged Brass Head
2. Spiral mixer blends Oxygen & Fuel
3. Smooth Cutting Valve(Push Type)
4. Stainless Steel Tubes
5. Brass Nut & Double "O" Ring tapered seal tight quick without a wrench

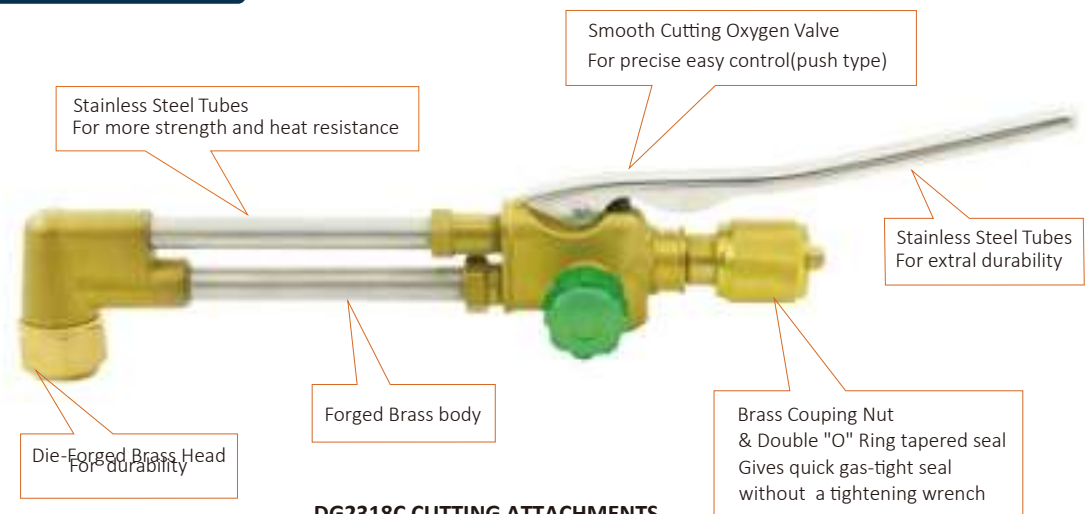


Model Number	Welding Range	Weight	Length	Ref. No.
DG2118C	6"	380g	7.5"	CA1350
DG2118H	1-1/4"	320g	8.0"	100C

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DG2318 Heavy Duty



1. Die-Forged Brass Head
2. Spiral mixer blends Oxygen & Fuel
3. Smooth Cutting Valve(Push Type)
4. Stainless Steel Tubes
5. Brass Nut & Double "O" Ring tapered seal tight quick without a wrench



Model Number	Welding Range	Weight	Length	Ref. No.
DG2318C	8"	860g	10.5"	CA2460
DG2318H	3"	520g	8.5"	315C

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DC0918D



DC0918U



- 1. Die-Forged Brass Head
- 2. Spiral mixer blends Oxygen & Fuel
- 3. Smooth Cutting Valve(Push Type)
- 4. Stainless Steel Tubes
- 5. Brass Nut & Double "O" Ring tapered seal tight quick without a tightening wrench

Model Number	Weight	Length	Head Angle
DC0918D	1.2KG	500mm	90°
DC0918U	1.15KG	480mm	90°



QO60P USA TYPE

MAPP- Oxygen Torch

Portable brazing system for heating, soldering ,brazing ,light welding,cutting . It uses disposable 14 oz oxygen & 14 oz MAPP cylinder.

This torch is super ideal for welding, melting, brazing, jewelry work, etc.

Gas type	MAPP /PROPANE & OXYGEN
Material	Brass
Temperature	6432°F (3000°C)
Inlet Connection of Oxygen	CGA601 LH
Inlet Connection of Fuel	CGA600 RH

Inside the package:

1. Oxygen/MAPP Welding Torch With 1.5M Hose X 1
2. Cylinder Holder X 1
3. Spark Lighter X 1
4. Protect Glasses X 1

Notice: the gas bottle is not included!



QO70 EURO TYPE

MAPP- Oxygen Torch

Portable brazing system for heating, soldering ,brazing ,light welding,cutting .It uses disposable 1ltr M12 oxygen cylinder & 14 oz MAPP cylinder.

Gas type	MAPP /PROPANE & OXYGEN
Material	Brass
Temperature	6432°F (3000°C)
Inlet Connection of Oxygen	M12*1
Inlet Connection of Fuel	CGA600 RH or 7/16"

Inside the package:

1. Oxygen/MAPP Welding Torch With 1.5M Hose X 1
2. Cylinder Holder X 1
3. Oxygen Regualtor X 1
4. Fuel Regualtor X 1
5. Spark Lighter X 1
6. Protect Glasses X 1

Notice: the gas bottle is not included!



PG001B

Flame- Oxygen Torch

Absolutely stable flame while operation

This Oxygen&Gas torch head is designed for the rubber hose with an I.D.4~6mm or 8mm. The user only needs to insert the hose into the bolt at the end according to the corresponding color and clamp it with a metal hoop.

- Fit for 4mm & 6mm & 8mm hose, red for gas & blue for oxygen.
- Absolutely stable flame while operation
- Special brazing nozzle, and flame will never go out when use.



PG001F

Flame- Oxygen Torch

Absolutely stable flame while operation

This Oxygen & Gas torch head is designed for the rubber hose with different sizes and customized thread. Equally suitable for oxygen & gas service simply by changing the nozzle. It is forged brass head with brass tube.

- Designed using oxygen with either propane or acetylene
- Built-in metal anti backfire arrestors
- Absolutely stable flame while operation
- Fit for hose with different size



Acetylene nozzle (Optional)



Nozzle(Optional)
Matched with propane、LPG、Mapp、butane as the fuel gas





LW

P/N	Dia (mm)	Material Thickness (mm)	Oxygen Pressure (Mpa)	Acetylene Pressure (Mpa)	Thread
1	0.6	0.5-1	0.014	0.014	1/4"-26T.P.I
2	0.8	1-1.5	0.014	0.014	
3	1	1.5-2	0.014	0.014	
5	1.1	2-2.5	0.014	0.014	
7	1.3	2.5-3	0.014	0.014	
10	1.5	3-4	0.021	0.021	
13	1.7	4-5	0.028	0.028	
18	2	5-6.5	0.028	0.028	
25	2.2	6-8.2	0.042	0.042	



ANM



ANME



ASNM



PNM



PNME



PNME



44



41



SAF G1-A



SAF G1-P



138



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6290



6290GG



6290NX



6290NFF



6290VVC



6290VVP



HARRIS 6290G



ESAB 1502



ESAB 1511



ESAB 1534



ESAB 4202



VICTOR 1-101



VICTOR 1-101



VICTOR 3-GPN



VICTOR GPN



VICTOR MTHN

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FLASHBACK ARRESSTOR



For Torch



For Hose



For Hose



For Regulator

Max flow: Oxygen 7000Lt
Acetylene 2600Lt

Max working pressure: Oxygen 10Bar
Fuel gas 1.5Bar

Inlet	Outlet
9/16"18RH	9/16"18RH
9/16"18LH	9/16"18LH
BSP3/8"RH	BSP3/8"RH
BSP3/8"LH	BSP3/8"LH
5/8"18RH	5/8"18RH
5/8"18LH	5/8"18LH
BSP1/4"RH	BSP1/4"RH
BSP1/4"LH	BSP1/4"LH

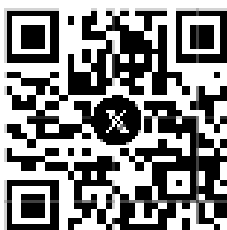


- ▲ OXYGEN
- ▲ ARGON
- ▲ ACETYLENE
- ▲ DIOSIDE
- ▲ HYDROGEN
- ▲ CARBON
- ▲ OTHER MIXTURE GASES
- ▲ HELIUM





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