



Affordable. Reliable. Home Improvement.

MANUAL PIPE CUTTING MACHINE

MODEL:CG2-11Y

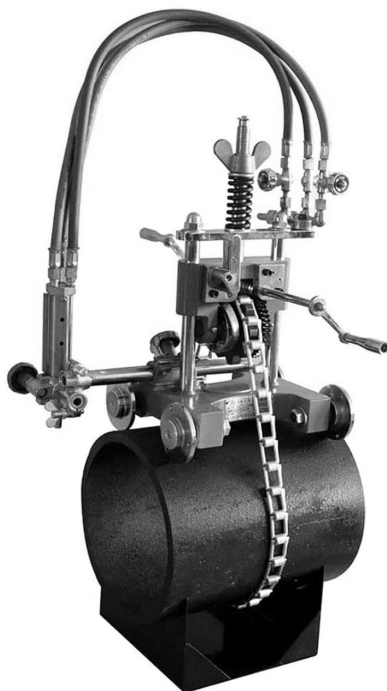
Technical Support and E-Warranty Certificate
www.vevor.com/support

VEVOR

Affordable. Reliable. Home Improvement.

MANUAL PIPE CUTTING MACHINE

MODEL:CG2-11Y



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



Warning-To reduce the risk of injury, user must read instructions manual carefully.

INSTRUCTIONS

Thank you very much for choosing this tube cutting machine. tube cutting machine are precision instruments that should always be handled with care. Please read all of the instructions before using it. The information will help you achieve the best possible results.

APPLICATION:

CG2-11Y type manual gas cutting machine for pipes is applicable for the seamless steel tube cutting and bevel cutting for such industries as petroleum, chemical industry, boiler, electric power generation, ship manufacture, building, motor vehicle, bridge building and so on. It's suitable for working outside with convenient and hight effective.

TECHNICAL PERFORMANCE AND CHARACTERISTIC

This cutting machine is adopted worm wheel and worm as driving system, with chains to be fixed on the tube and four wheels for driving. Oxygen-acetylene flame for cutting (or Oxygen-Propane flame); alloy-aluminum casting for the machine body, light, splendid figure; no electricity needed, specially suitable to be used outdoors or other place without electricity, an indispensable equipment for pipe construction.

MAIN TECHNICAL DATA

cutting tube diameter: > \varnothing 100~ \varnothing 600mm

tube thickness>5~50.8mm

cutting moving precision: 1mm/1000mm

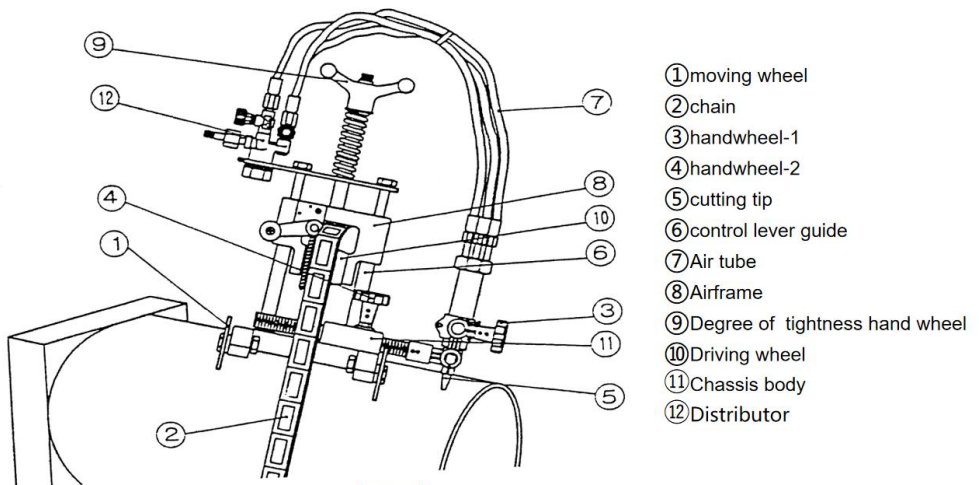
bevel angle: 0~45°

Weight:13 Kg

MAIN STRUCTURE

- 1) This machine was made of alloy-aluminum(ZL101) with many advantages like fastness, right, erode-resistant, etc.
- 2) The machine system is made up of a pair of worm wheel and worn, a pair of sprocket wheel and chain and stretchy clutch
 - a. Be made up of axletree, axes of idler wheel and four wheel.
 - b. Cutting torch and cutting tip: This machine adopt isotonic cutting torch with gear and rack, which make the machine movable across, up and down. The bevel angle can be adjusted when do cut if needed. There are three cutting tips applied for the machine:GO2 NO.1 to GO2 NO.3. The parameter of cutting criterion was showed as following (for reference only):
 - c. Cutting parameter table for different cutting tips

GO ₂ No.	Cutting thickness (mm)	Oxygen pressure (Mpa)	Ethyne pressure (Mpa)	Speed requirement
1	5—15	0.3—0.35	>0.03	Uniform motion by manual
2	15—30	0.3—0.4		
3	30—50	0.35—0.5		



picture 1

OPERATION INSTRUCTION

The suspending shelf with sprocket wheel can be moved along the two leader for adjusting the pull of chain. You can regulate the position accurately not only landscape orientation but also up and down in a limited range. A dial was installed on the clip of cutting touch. So it can be used cutting straight workpiece and cutting bevel.

Put machine on a suitable position of the pipe which will be cut (can't over the range of landscape orientation adjusting). Press spring and strain the chain to adhere machine to the pipe tightly. Then fire the cutting tip, regulate the flame, adjust the cutting touch to the accurate position and angle, open the cutting handwheel and reel the handle at the same time for driving the machine moved. The machine will move towards front when you reel the handle clockwise and vice versa. The shape of chain is quadrate. It can be disassembled and the length can be adjusted according to the pipe's out diameter for cutting various pipes with different outside diameter. (the way for changing length was showed by picture 2). We can know the relations between the diameter and the section of chain by calculate according to the following formulary:

$$D=d+12$$

D: The number of section

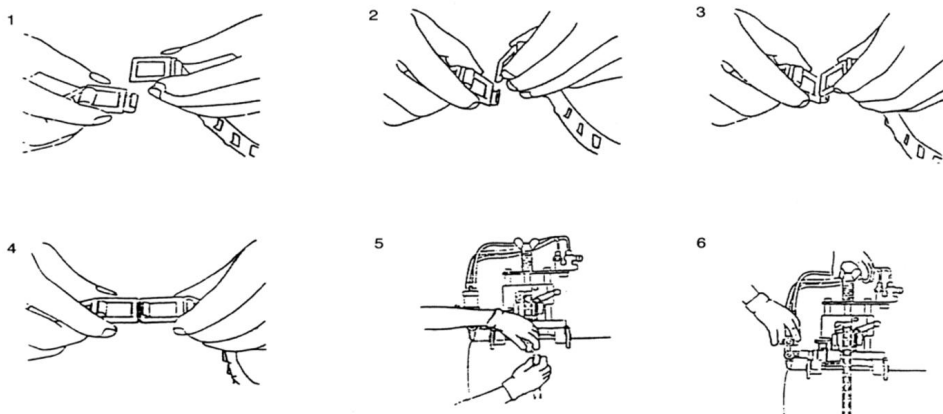
d: The diameter of pipe

12: Constant

eg: cutting a pipe with $\phi 299\text{mm}$: $d=299\text{mm}=29.9\text{cm}\approx 30$ sections

$$D=30+12=42 \text{ sections}$$

So we can know that it needs 42 sections for cutting a pipe with $\phi 299\text{mm}$ from this formulary



picture 2

Noticing terms

- a. ① The place of pipe's bottom should be kept plane to reduce friction when you will cut the rolling pipes; ② It's necessary that other people help roll the pipe if it is very large; ③ keeping enough space around the pipe when you cutting fixed pipes so that the machine can be circumrotate freely.
- b. You can smear lubricant on the slippage part to make it's easier to operate.
- c. The machine should be gathered betimes after finished work to avoid losing chain.
- d. Our company will repair or replace this machine if it can't work order within six month since the buying date. If it was broken because of improper operating, we can repair it for fee.

Use warranty:

We adhere the principle "Customer first". All the products we manufacture have half a year warranty except the contrived quality problems and serve you for ever.

Manufacturer: Shanghaimuxinmuyeyouxiangongsi

Address: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000 CN.

Imported to AUS: SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australia

Imported to USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

UK	REP
-----------	------------

YH CONSULTING LIMITED. C/O YH Consulting
Limited Office 147, Centurion House, London
Road, Staines-upon-Thames, Surrey, TW18 4AX

EC	REP
-----------	------------

E-CrossStu GmbH
Mainzer Landstr.69,
60329 Frankfurt am Main.



Technical Support and E-Warranty Certificate
www.vevor.com/support