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THE HOME OF REBAR HANDLING MACHINES



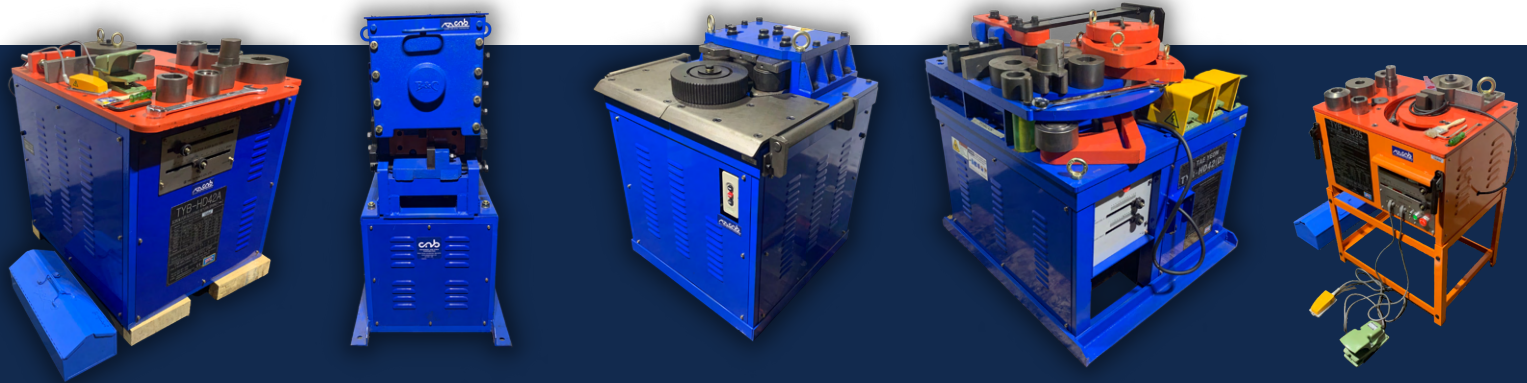
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# MANUAL TYB-D26

Contact our after sales department for any questions or concerns

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# TABLE OF CONTENTS

Machine Specifications -----	03
Machine Introduction -----	05
Basic Guidelines to Follow -----	06
Combination of Rollers -----	09
Things to Avoid -----	10



## TYB-D26

### Compact Bender

#### Machine Specification

**Bending Angle**

180° / 5 seconds

**Bending Capacity**

10-25mm rebar (0.375-1.00 inches)

**Motor**

2.1kW (2HP)

**Power Requirements**

Single phase, 220V-230V 60HZ (factory set up)

**Weight**

75kg / 165lb

**Dimension**

(L) 446mm (W) 426mm (H) 383mm

#### Number of rebars the machine can bend at once

**Diameter of Rebar**

25mm

22mm

19mm

16mm

13mm

10mm

**No. of Rebars**

1 rebar

1 rebar

1 rebar

2 rebars

4 rebars

5 rebars



## Maximum Bending Angle of Rebars

Diameter of Rebar	25mm	22mm	19mm	16mm	13mm	10mm
Maximum Angle of Bend	180°	180°	180°	180°	180°	180°

### Exchange Roller and R-Jig Specification

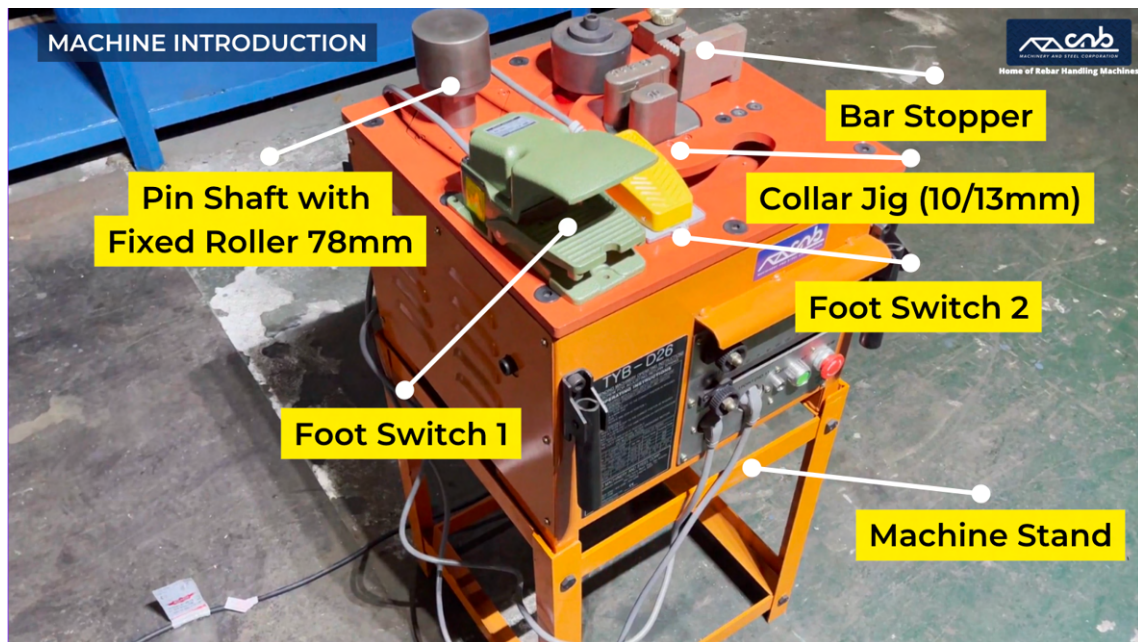
Diameter of Rebar	Fixed Roller	Rotating Roller
10mm	Jig	92mm
13mm	Jig	92mm
16mm	78mm	92mm
19mm	78mm	92mm
22mm	78mm	92mm
25mm	78mm	92mm

### Power Cable Requirements

Power Supply / Power	Standard Sizes / Length	Excess Length
220-230V, single phase, 2HP, 2.2KW	#12 AWG / 3.5mm wires, Max length from Main Circuit Breaker 20 Amps is 30 meters	When the wire exceeds 30 meters, replace the wires to a bigger size depending on the length requirements to avoid power fluctuation or voltage drop.

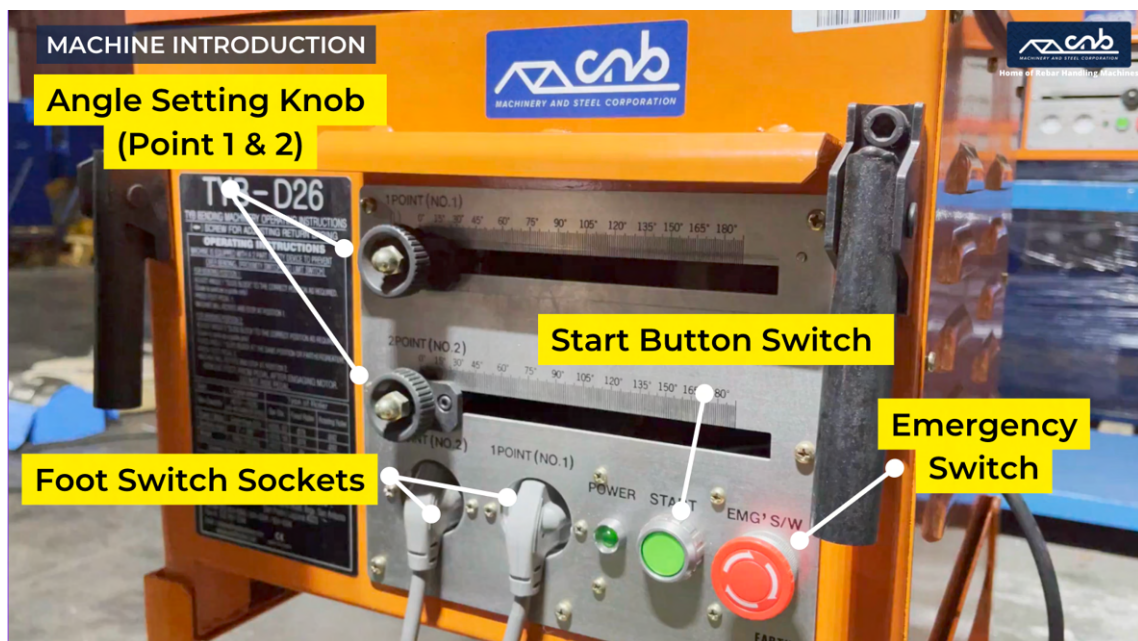


## Machine Introduction - Tool Box



Our TYB-D26 machine comes with a complete toolbox and roller and collar jig. The toolbox contains, a screw driver, wrench, brush, 2 footswitches a pin shaft with fixed roller 78mm, and a collar jig.

## Machine Introduction - Dynamics of the machine



Our TYB-D26 is a powerful yet very simple to use machine. It is equipped with 2 angle setting knobs that allows the machine to bend into 2 different angles simultaneously. It also comes with 2 foot switch sockets for the 2 foot switches. There is an emergency switch that can be used to pause the machine if there is an unusual occurrence for safety.

## Power Supply Guidelines



Make sure to check that the power supply is stable between 220-230V.  
The machine's power supply can be supplied by plugging it in to a socket or you may choose to tap directly from the main circuit breaker.  
We recommend that you would use a thicker power cable to avoid power fluctuation.

## Proper Rebar Alignment



Before proceeding with the bending of the rebars, make sure that the bar stopper, collar jig, and rollers are aligned to the rebar for it to be secured and properly bent.

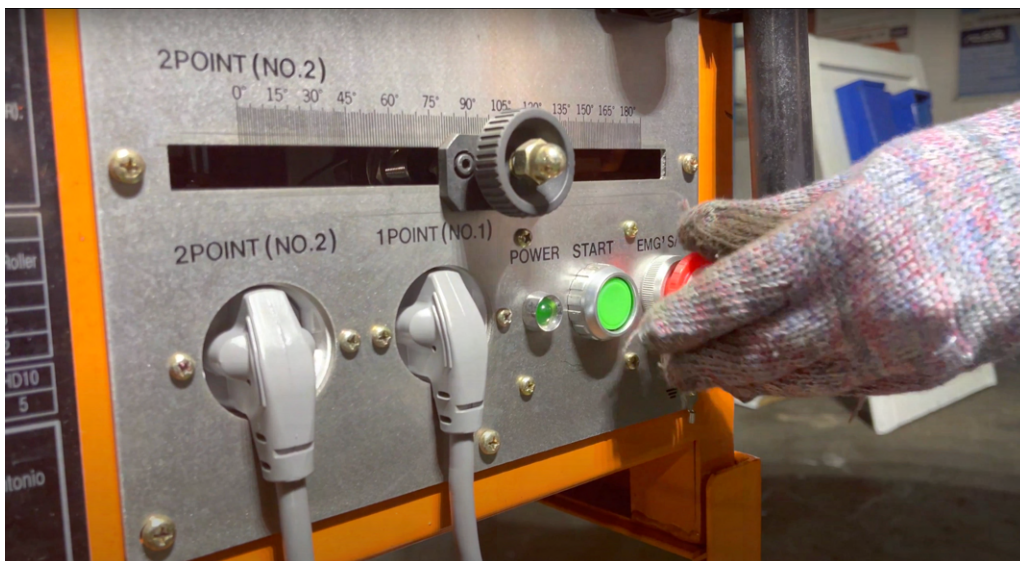


## Emergency Switch Guidelines - Activation



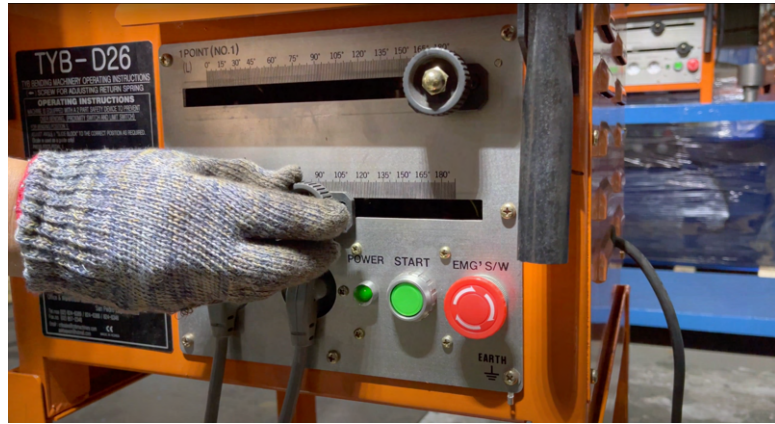
Press the Emergency Switch Button when you encounter something unusual with the machine for your safety. Pressing the button will make the roller return to its starting position. The machine will also be on pause mode while the button while the button is still pressed.

## Emergency Switch Guidelines - Release



As mentioned, the machine will not be operating if the Emergency Switch Button is pressed. In order to activate the machine again for bending, simply twist the button clockwise. This will activate the machine for bending again.

## Point 1 and Point 2 Guidelines



The angles found in the protractor plate are just references for Point 1 and 2. Operators must undergo trial and error by adjusting the angle setting knobs until the **right angle** is bent. Bending the rebar into 2 angles simultaneously like stirrups is possible by setting Point 1 into 180° and Point 2 into 90°.

**NOTE:** The angle set in Point 1 **MUST** be the bigger angle for bending while the angle set in Point 2 **MUST** be the smaller angle for bending.

## Foot Switch Usage

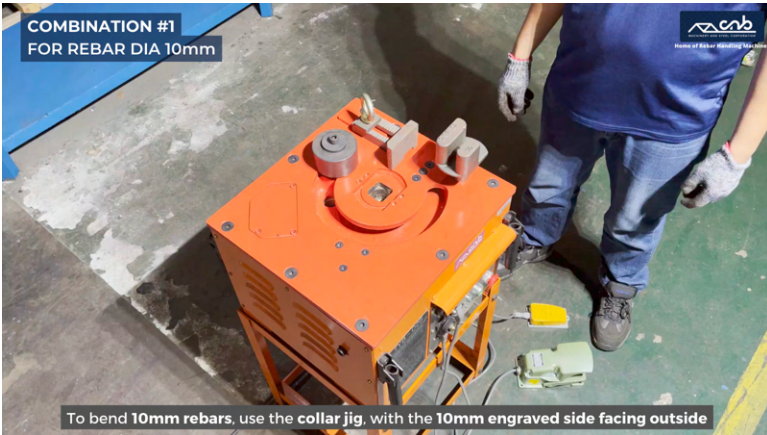


The green foot switch located on the left is used for the bending of rebar with the angle of Point 1. The yellow foot switch located on the right is used for the bending of rebar with the angle of Point 2.



## Combination for the bending of 10-12mm rebars

**COMBINATION #1**  
FOR REBAR DIA 10mm



**COMBINATION #1**  
FOR REBAR DIA 10mm



## Combination for the bending of 16mm rebars

**COMBINATION #2**  
FOR REBAR DIA 12mm



**COMBINATION #2**  
FOR REBAR DIA 12mm

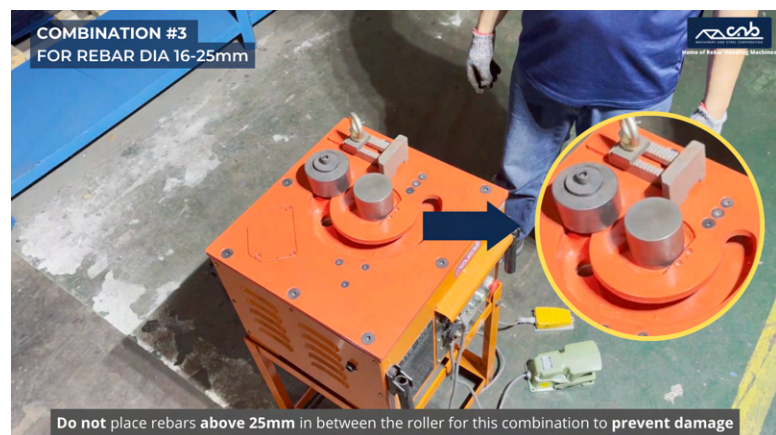


## Combination for the bending of 16-25mm rebars

**COMBINATION #3**  
FOR REBAR DIA 16-25mm

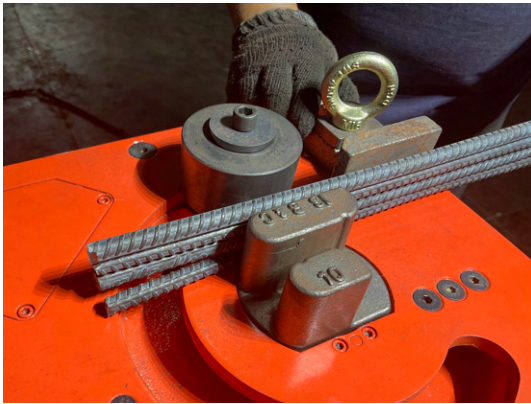


**COMBINATION #3**  
FOR REBAR DIA 16-25mm

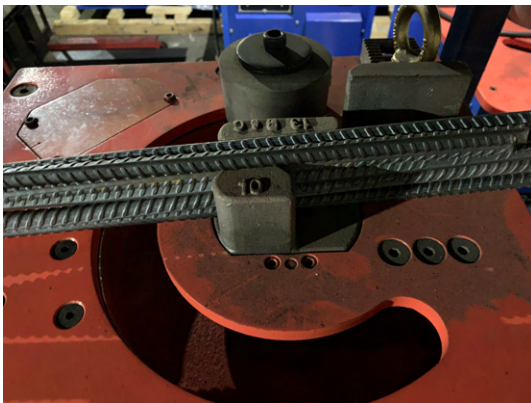




## Things to Avoid



**DO NOT** load the rebars at between the roller and the collar jig when bending. This will lead to the **collar jig to break** as the pressure of the bending will **damage the collar jig**. The proper way to bend 10-12mm rebars is to place the rebars in the collar jig.



**DO NOT** overload the collar jig or roller more than the number of rebars indicated in the instructions as it will cause the collar jig or rollers to break which can end up hurting the machine operators as well.

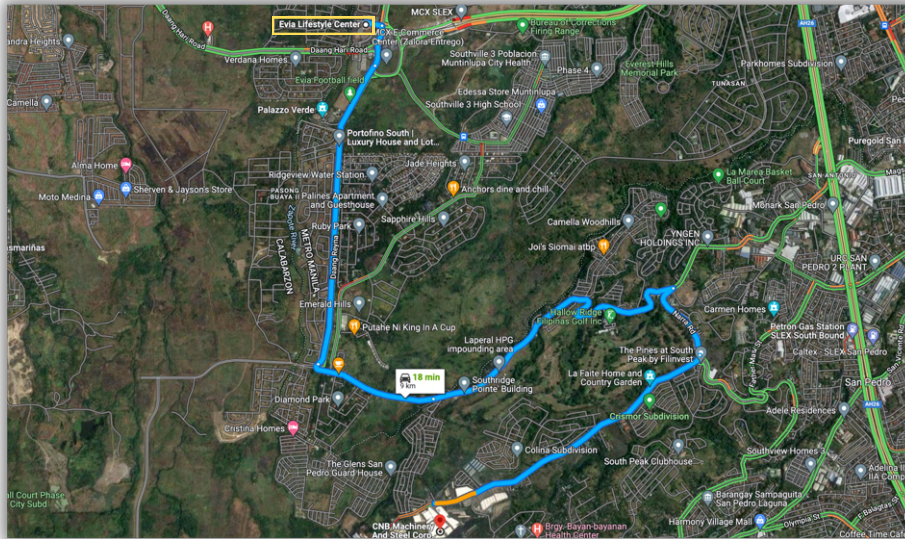


**DO NOT** step on both foot switches at the same time as it will cause the machine to **malfunction**. It may cause **electrical and mechanical damage** to the machine.

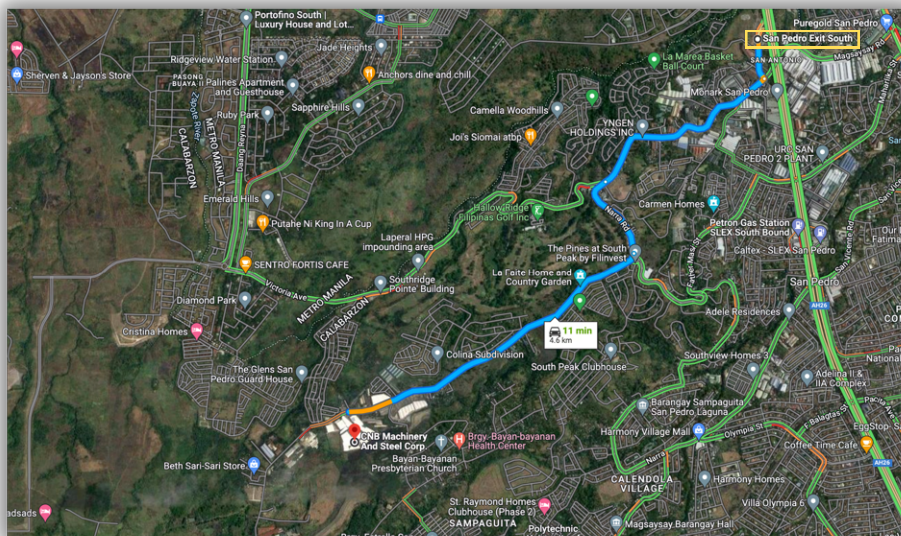


# THANK YOU, AND WE LOOK FORWARD TO BE PARTNERS WITH YOU

## Route from Evia Lifestyle Center



## Route from San Pedro Exit South

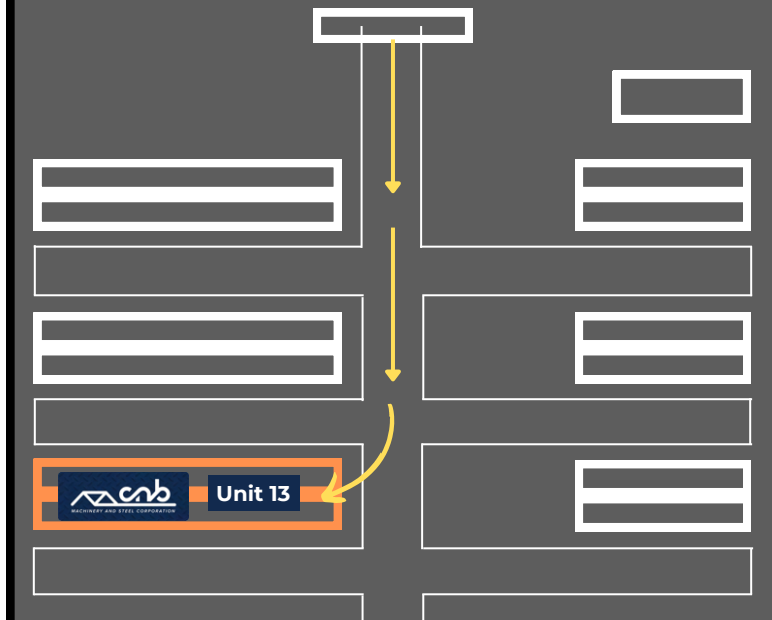


SKETCH OF COMPOUND

### Entrance of the Industrial Compound



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The Home of Rebar Handling Machines

