

COMMON PLATE FLANGE FORMING MACHINE



MACHINE DETAILS



High-end Configuration & Stable Performance

All rollers are made of GCR15 high-speed steel and are durable. The thickened top cover is used, which is not easy to deform; effectively prevents dust from falling into.

The Transmission parts : Smooth processing and durability

The Pressing Rollers

are thickened and enlarged, and the rolling strength is high. It is suitable for galvanized sheet and stainless steel pipe air duct flange forming. The product is beautifully formed and has high precision.



Wear-Resistant Materials Finishing

The positioning plate is made of wear-resistant material, which is finely machined and quenched to achieve good straightness and strong wear resistance.

Thick Body and Smooth Operation

The thickened square tube welded fuselage operates stably and reliably. The working bearing panel adopts CNC processing.

Type Work Station

The hooking and coding forming station of Our common plate flange machine integrates feeding, positioning, shearing and stripping forming into one, which is efficient and labor-saving, and no additional manual operations are required in the process.

The flange forming station is composed of forming rollers. It has fast forming speed, accurate angle and low scrap rate of finished products.

The bottom of common plate flange machine is equipped with high load-bearing and high wear-resistant universal wheels, which are suitable for various complex working environments and can be pushed and moved.



Model	Motor (KW)	Processing Plate Thickness (mm)	Shape	Size	Weight (KG)	Dimensions (mm)	Motor Processing Speed (m/min)
T-12	3	0.8-1.2		35±0.5	1000	2500x910x1120	8 m/min
T-15	4	0.8-1.5		35±0.5	1300	2900x910x1120	8 m/min

PRODUCT PARAMETERS

Professional Data Provides more accurate, professional and outstanding results.

Introduction : Common plate flanges are available in two specifications: T12/T15.

The T12 type can process galvanized sheets and tin sheets below 1.2MM;

The T15 type can process galvanized sheets and tin sheets below 1.5MM and below 0.8MM.

The common plate flange forming machine is a commonly used machine in air duct production. It can directly process the flange edge and the hook clip. It has high production rate and good molding.

Performance Characteristics :

1. The machine adopts steel plate welded structure, which has good rigidity and stability;
2. The machine adopts motor transmission, which makes the plate move forward during operation and the movement is smooth;
3. The surface of the machine-processed plate is flat and smooth, with the same size and beautiful appearance;
4. The rollers are all made of qualified steel and are finely machined, polished and then quenched and blackened at high temperature, so that the machine can be used for a long time.



Flange



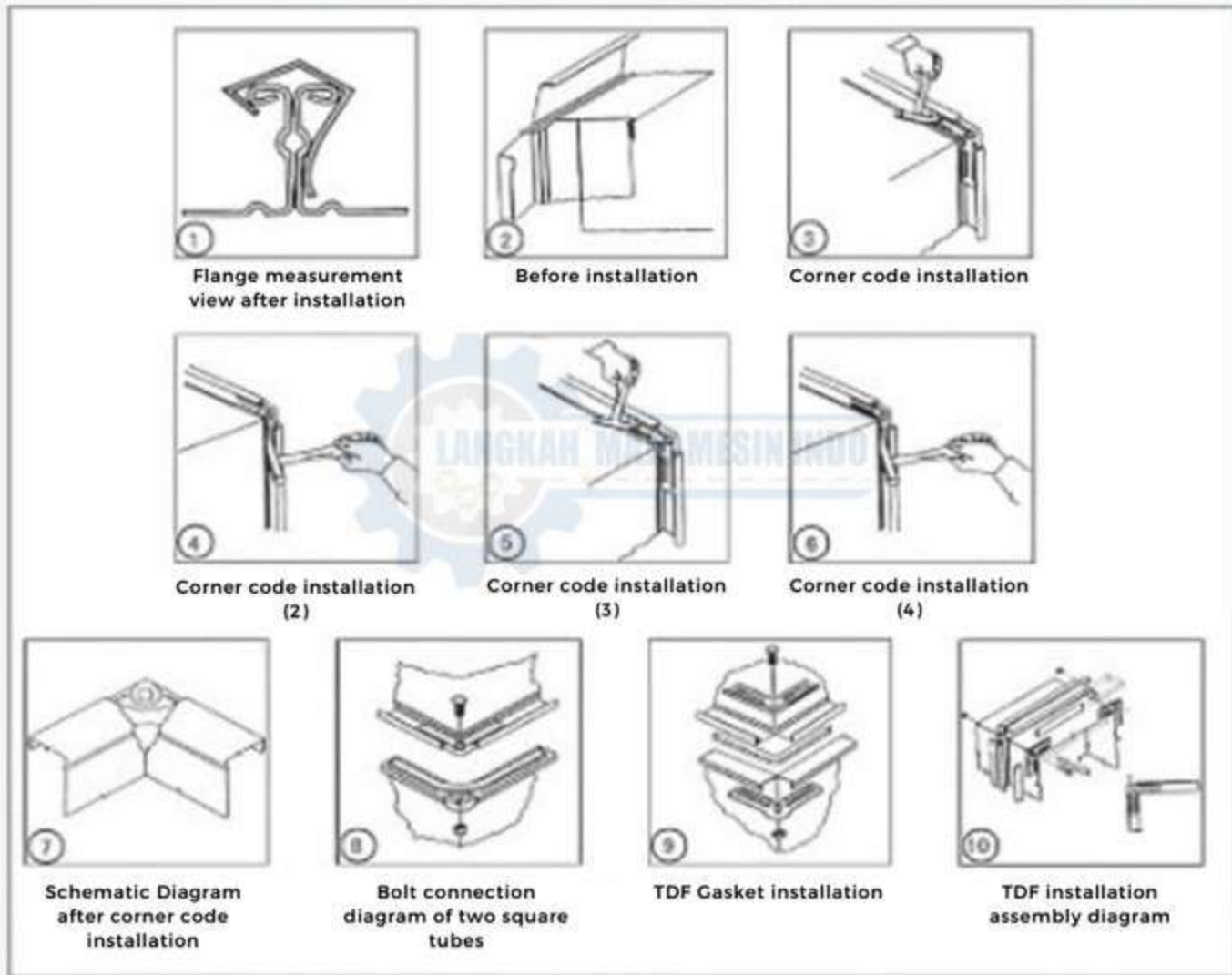
Hook Clip



Apply shared-plate flange, therefore, the rectangle ductwork flange can be fast processed. The machine applies both sides feeding and simultaneously shaping work mode, one side forming "**FLANGE**" and one side forming is for installing "**HOOKS CLIP**".

It features low making cost and high installing efficiency, convenient for standard and batches of production. It is suitable for making rectangle wind pipe with big section.

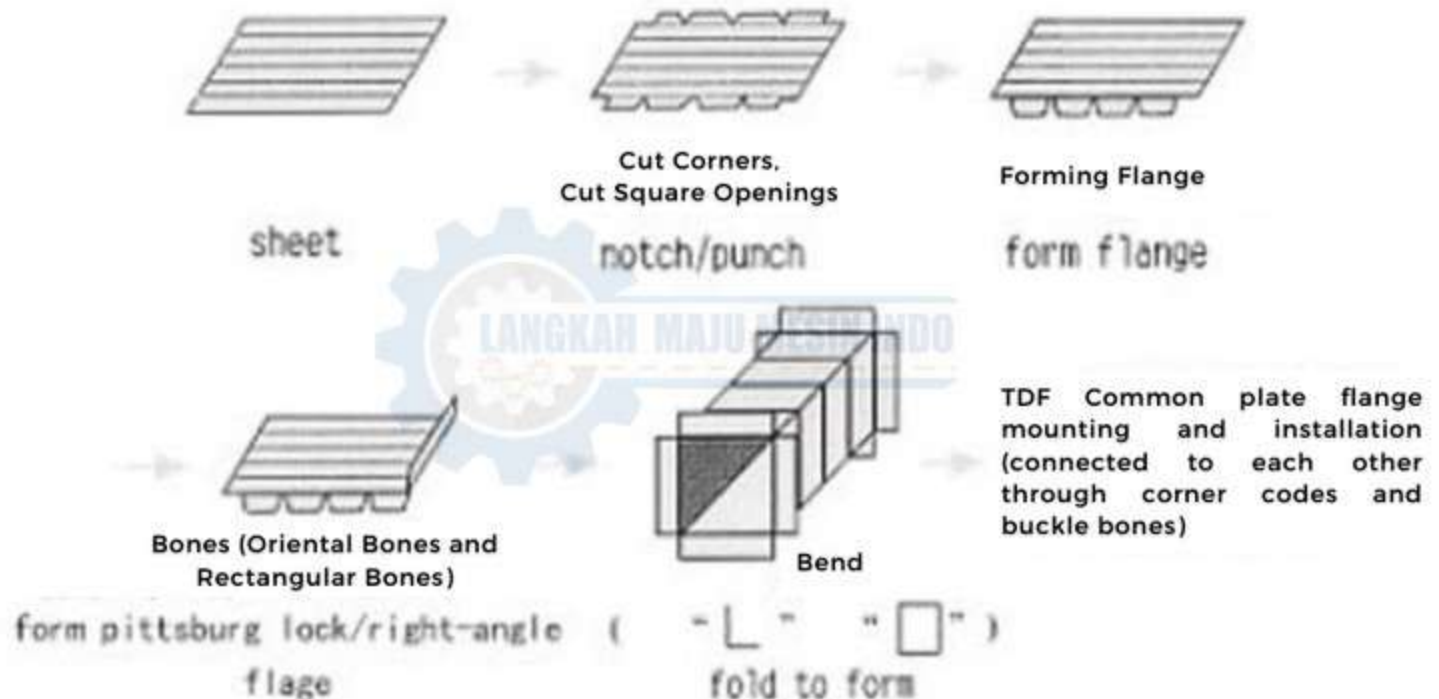
TDF COMMON PLATE FLANGE ASSEMBLY AND INSTALLATION



- The design features give a wel-seal that is guaranteed also the machine has unmatched functions.
- The seaming process has been designed, to be completed in one process. The duct and the flange being made in one-process saves the connecting work, which reduces costs and improves quality. This allows the assembly of the duct to be done with four screws and without the use of welding or any other tools.
- The TDF series when combined with a motor driven shearer, notcher, folder- bender and a Pittsburgh lock machine when combined with a feeding unit can form an air duct production line, producing a flange of high quality.



WORKING DIAGRAM



COMMON PLATE FLANGE SYSTEM PRODUCTION PROCESS (TDF MANUFACTURE PROGRAM)

TDF FLANGE FORMING MACHINE PERFORMANCE FEATURE :

We can divide TDF flange forming machine into two types according to the working requirements: single flange forming machine and duplex flange forming machine. Besides, single flange machine includes two models: T-12 and T-15. For single flange making machine, it will form the flange shape at one side and form clip shape at another side. For duplex TDF flange forming machine, it can make flange shape at two sides at the same time to save time. Customers' demand for adding clip is realizable.

The single TDF flange forming machine is easier to move than duplex TDF flange forming machine. Besides, the single flange making machine is popular to be used on site due to its stability and convenience. It's not too heavy, the operator can move it easily with wheel. The single flange making machine is a part of rectangular ventilation air duct manufacturing machines, operators can use the machine with other rectangular HVAC tube forming machines together to finish a whole duct production, such as lock former machine, pneumatic TDF sheet metal folding machine, sheet metal grooving machine, motor cutting machine, lock seaming closing machine, clips cutting machine, etc. At the same time, it's necessary to maintain machines, for example, adding lubricating oil to ensure the efficient operation of machines before using machines.