



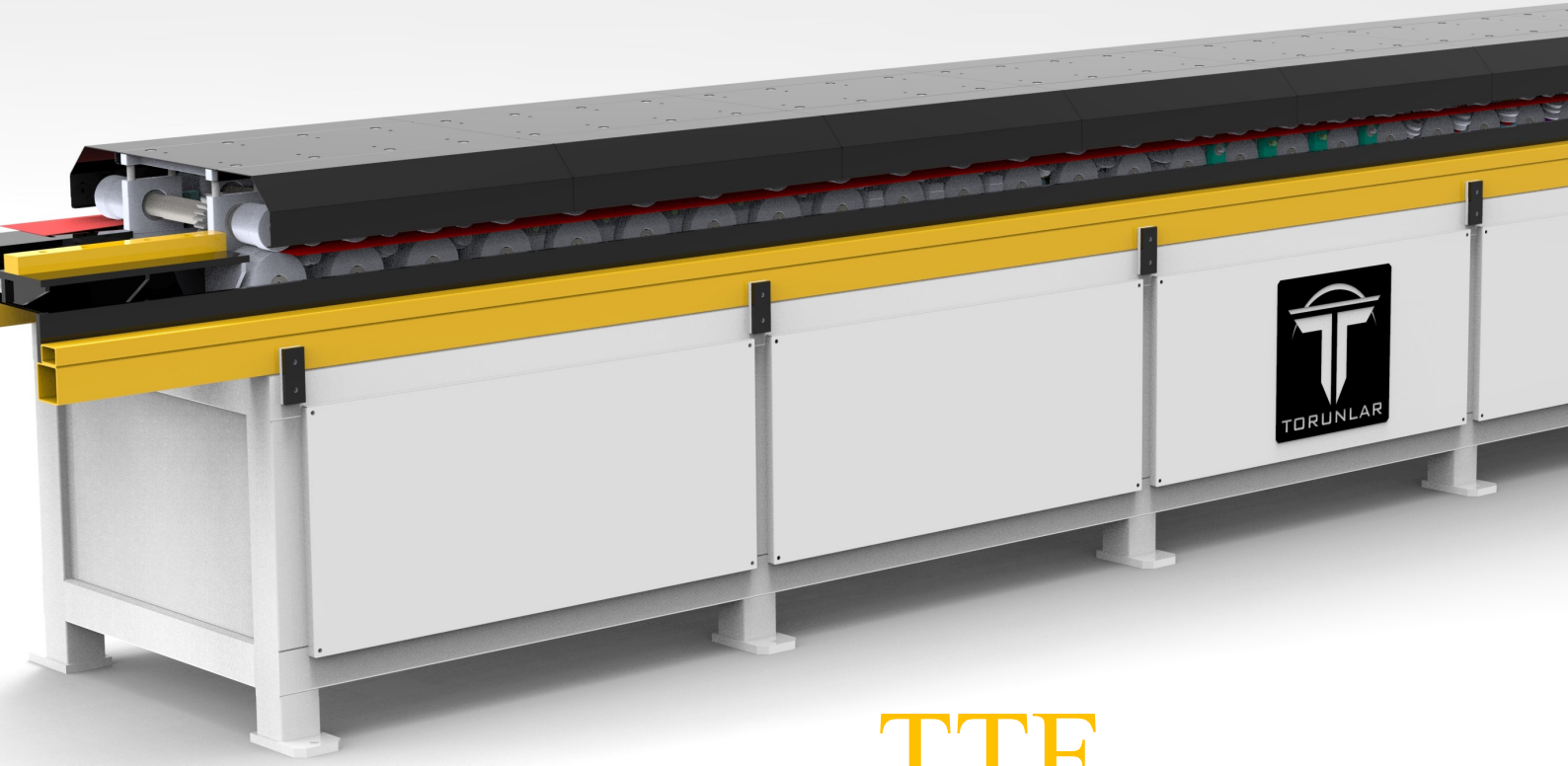
TORUNLAR



TTF 25/30

INTEGRATED SEMI AUTOMATIC DUCT LINE

www.torunlarmakina.com



TTF Integrated Duct Flange System

The TTF flange system, developed and patented by Torunlar Makine, is a self-locking flange type that is obtained by using the flange surface instead of the air transmission surface, unlike traditional applications.

Since there is no deformation on the air-permeable surface with this locking method, it allows the production of ducts with high hygiene and sealing properties.

TTF FLANGE

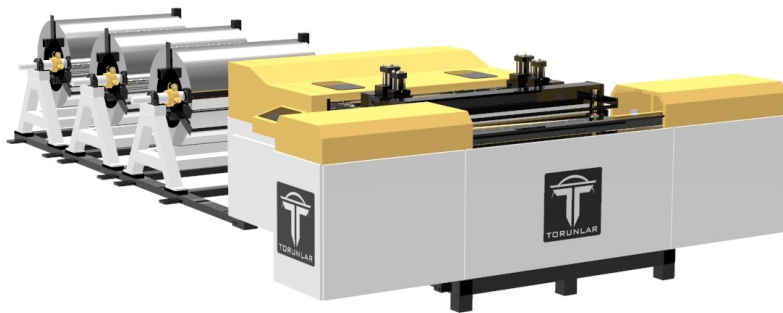


TTF FLANGE TECHNICAL SPECIFICATIONS

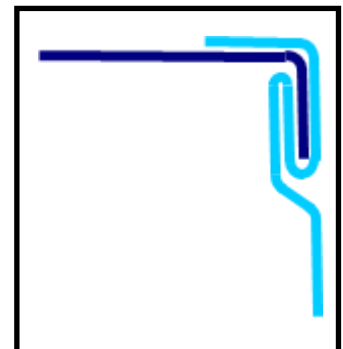
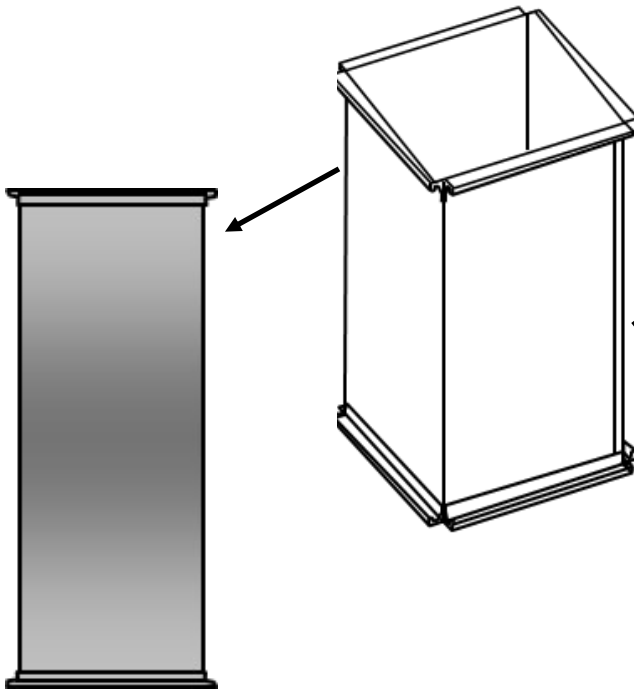
DESCRIPTION	TTF-25	TTF-30
Duct Length	1040 mm	1010 mm
Sealing	D Class	D Class
Thickness	0,5 mm/0,8 mm	0,8mm/1,0 mm

TTF-Line

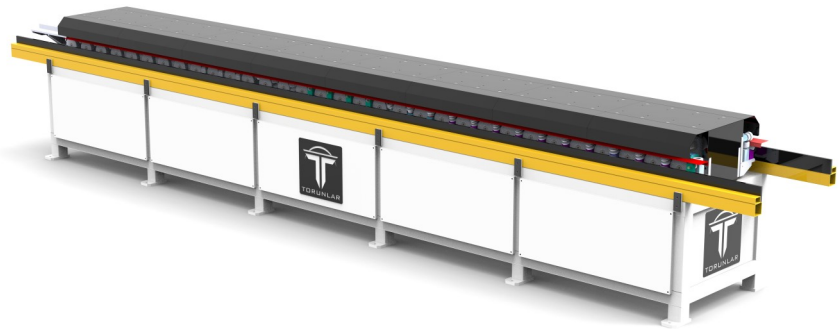
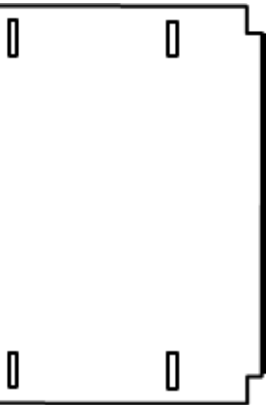
Cut to Length Line Machine



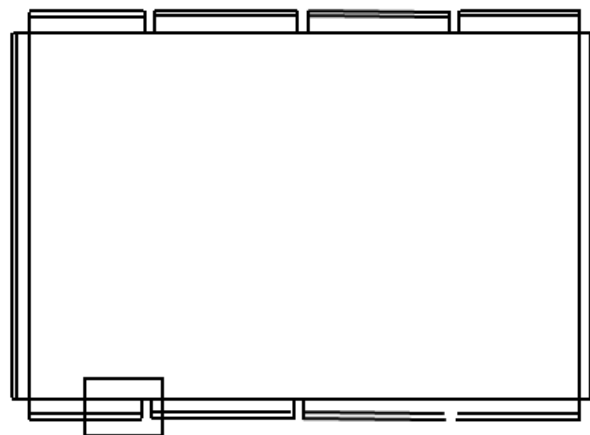
Folder & Seam



TTF25/30 Flange Machine



Closing Machine



TTF

CUT to LENGTH LINE MACHINE

With the Cut to Length Line Machine, the bending edge unloading process is carried out with the Pittsburgh unloading of the duct to be produced according to the duct dimension and number determined on the monitor.

With the cutting process in the sliding pittsburg unit sheet on one side of the sheet is ready to be shipped to the flange machine as a final product.



TECHNICAL INFORMATION

3 Units Decoilers (With gearbox)

Hydraulic Guillotine Cutting Unit for Lengthening and Plasma Cutting

Marking Reel

Two straightening rollers

Hydraulic Mold System that can be adjusted according to the sheet size for the unloading of Pittsburgh Clamp and Bending Points

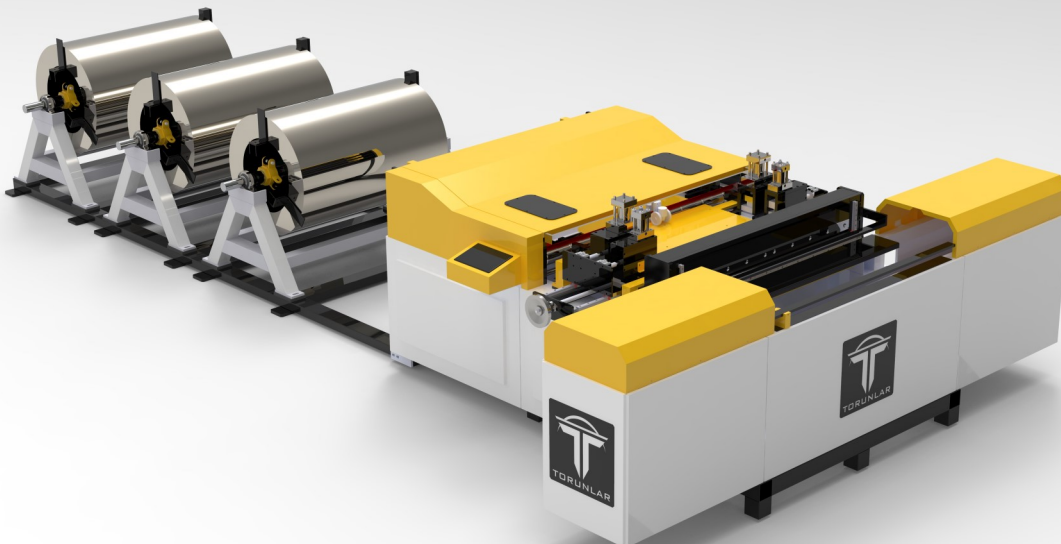
Sliding pittsburg unit that creates cutting, Pittsburgh male and female at the same time



FEATURES

Material :	0,6 – 0,8 mm-25 mm Flange (Galvanized Sheet)
Duct Type :	0,9-1,0 mm - 30 mm Flange (Galvanized Sheet)
Mini. Duct	Full box, U-piece, L-piece
Dimension:	150 x 150 mm (Full box)
Number of	
Decoilers:	3 units (motorised)
Max. Coiler Width	1.500 mm
Max. Coiler Weight:	5.000 kg
Machine Speed	Max. 16 m/ min
Control:	Colored touch-operated display
Electrical System:	Siemens
Machine	
Dimension:	Approx. 10.500 x 4.000 x 1.600 mm
Weight:	Approx. 3.500 kg

TECHNICAL FEATURES





PATENT BELGESİ

No: TR 2019 09306 B

Buluş Başlığı

BİR HAVALANDIRMA KANALI FLANŞI VE ÜRETİM YÖNTEMİ

Patent Sahibi

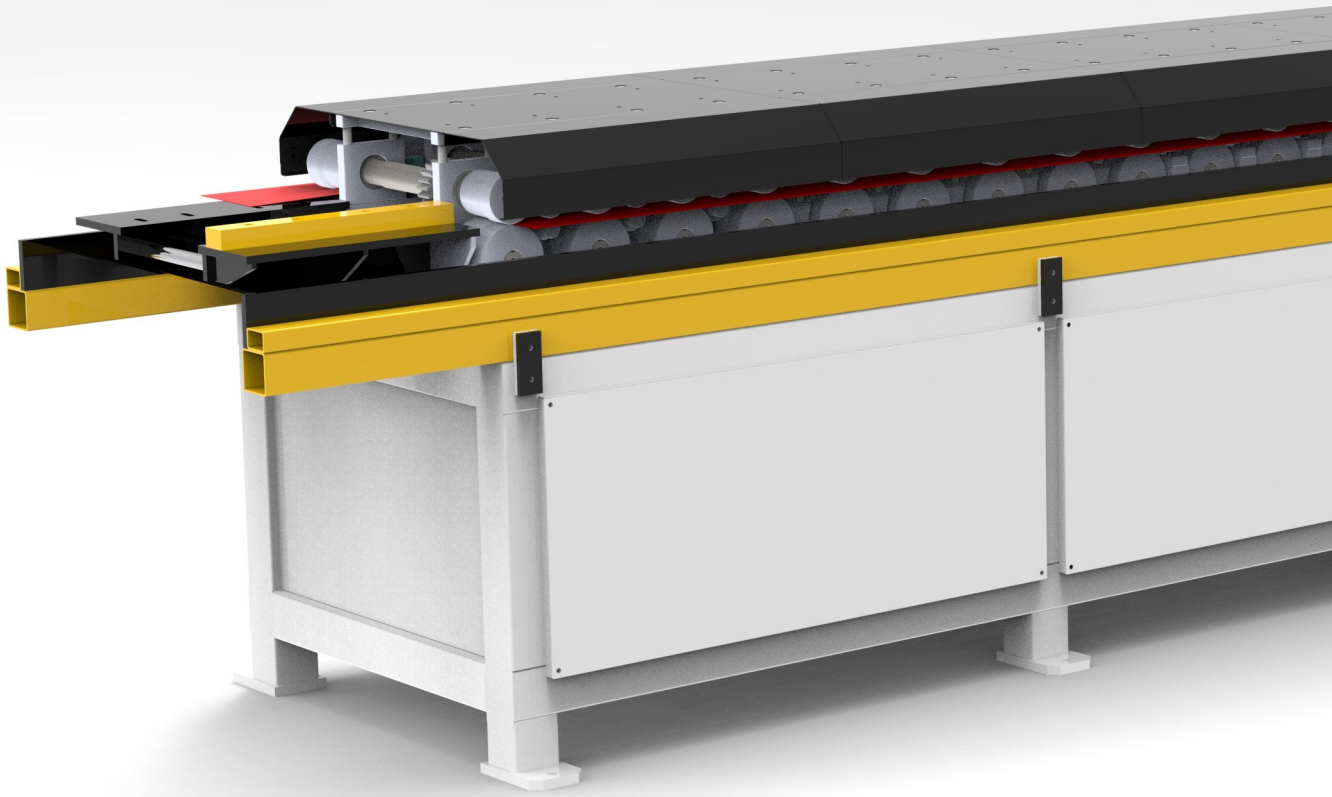
**TORUNLAR HAVALANDIRMA EKİPMANLARI
MAKİNE İMALAT SANAYİ VE TİCARET LİMİTED
ŞİRKETİ**

Bu belge, 6769 sayılı Sınai Mülkiyet Kanunu kapsamında 21/06/2019 tarihinden itibaren 20 yıl süre ile korunmak üzere 23/05/2022 tarihinde verilmiştir.



Cemil BAŞPINAR
Kurum Başkanı V.

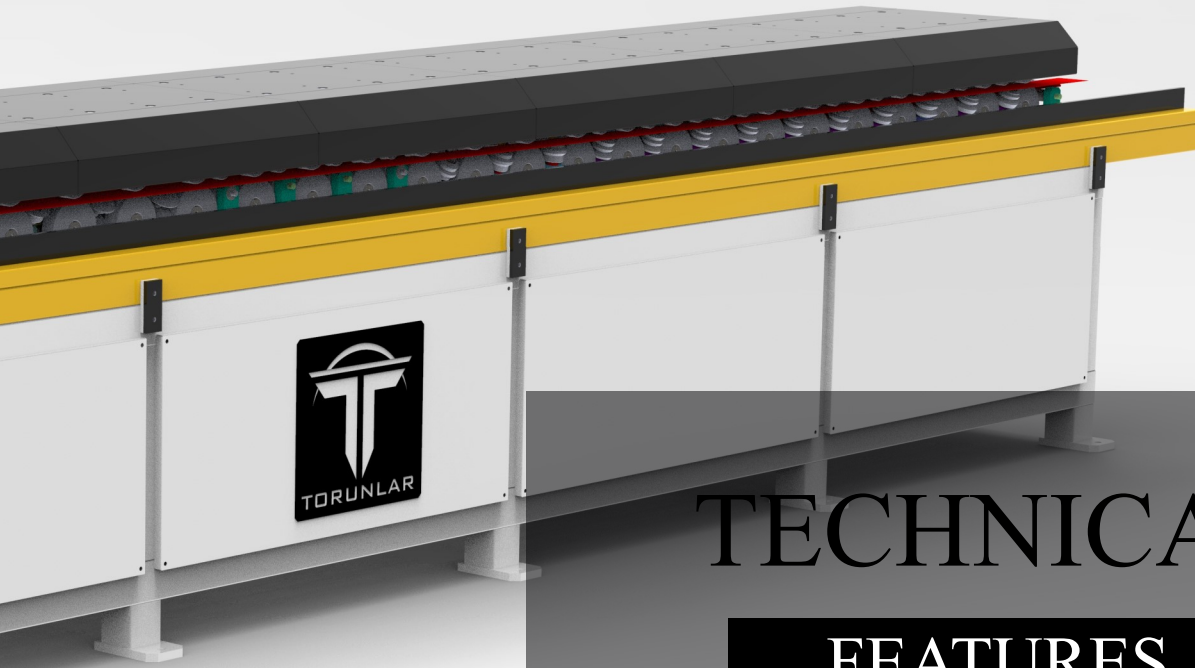
TTF-25/30



The product coming out of the Cut to Length line Machine is passed through the flange machine and the flange drawing is performed on both sides of the sheet.

Thus, the self-production of flange of the duct sheet is complete. This allows the production of ducts with high sealing properties, since no connection or fixing process takes place afterwards.

Thanks to the self-formed flange of the sheet, ducts with high strength properties are produced since a flange of the same thickness as the wall thickness of the duct sheet is formed.



TECHNICAL FEATURES

-  Double-sided rollform machine produces 25 mm and 30 mm flanges.
-  Machine speed is 16 mt/min.
-  Flange is produced without clamps up to 500 mm. Shorter parts are produced with the help of clamps mounted on the rail.
-  Flange is formed as a single piece from the sheet itself, without the need for flanges used in the knock-in flange system used in traditional duct manufacturing.

FEATURES

Flange Height	25 mm and 30 mm
Rollform Group	Double Sides
Form Group	28 stations
Material Thickness	0,6-0,8 mm: 25 mm flange 0,8-1,0mm: 30 mm flange
Maximum sheet length	500 mm
Minimum sheet length	250 mm
Color	Black-White-Orange
Maximum Speed	16 mt/min
Control System	Schneider
Electrical Engine	380 V, 3 kW-3 units

TECHNICAL INFORMATION



TTF

AUTOMATIC FOLDER& SEAM CLOSING MACHINE

The sheet to be flanged on both sides of the Flange Machine is placed in the automatic duct seam folding and closing machine.

After the folding process is finished, the machine performs the closing process after the operator puts the inch of the sheet inside the pittsburgh clamp.

According to the duct size determined on the screen, the machine automatically folds the sheet metal.

Thus, rigid duct production is completed.



TECHNICAL INFORMATION

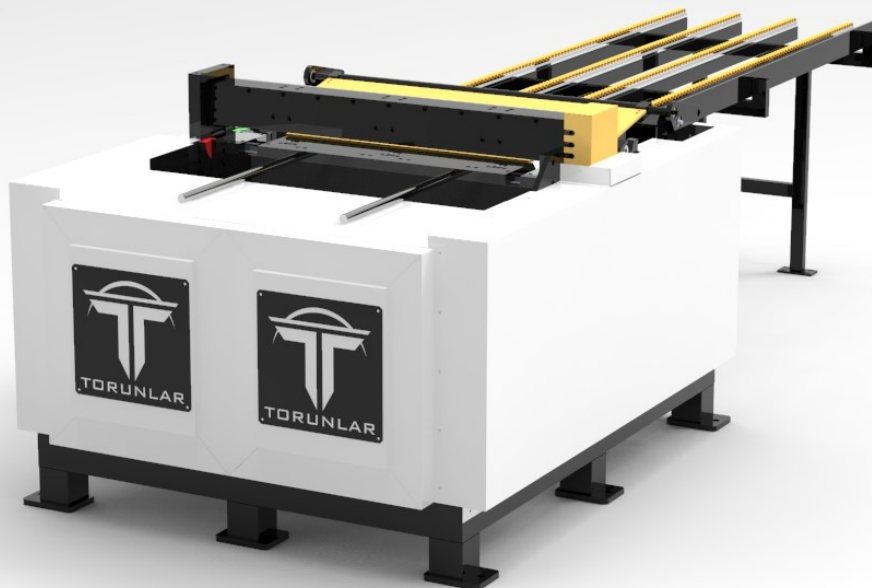
-  3 m feeding table
-  Pittsburg Clamp closing mechanism
-  Full Duct, U Duct and L Duct preference alternatives
-  Touch-operated color screen control panel
-  Automatic bending mechanism
-  Hydraulic Control System



FEATURES

Material:	0,6 – 0,8 mm - 25 mm flange 0,8– 1,0 mm – 30 mm flange
Duct Type :	Full box, U-piece, L-piece
Mini.Duct Dimension:	150 x 150 mm (Full box)
Max.Sheet Width:	1.500 mm
Max.Sheet Lenght:	4.000 mm
Control:	Siemens
Machine Dimension:	4.200 x 1.250 x 1.100 mm
Weight:	Approx2.500 kg

TECHNICAL INFORMATION

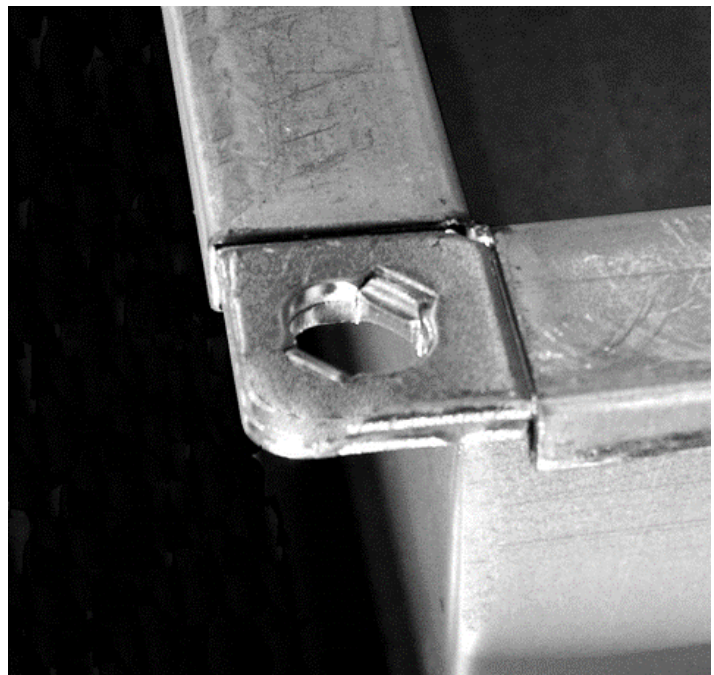


TTF-Line





Two Piece
Corners

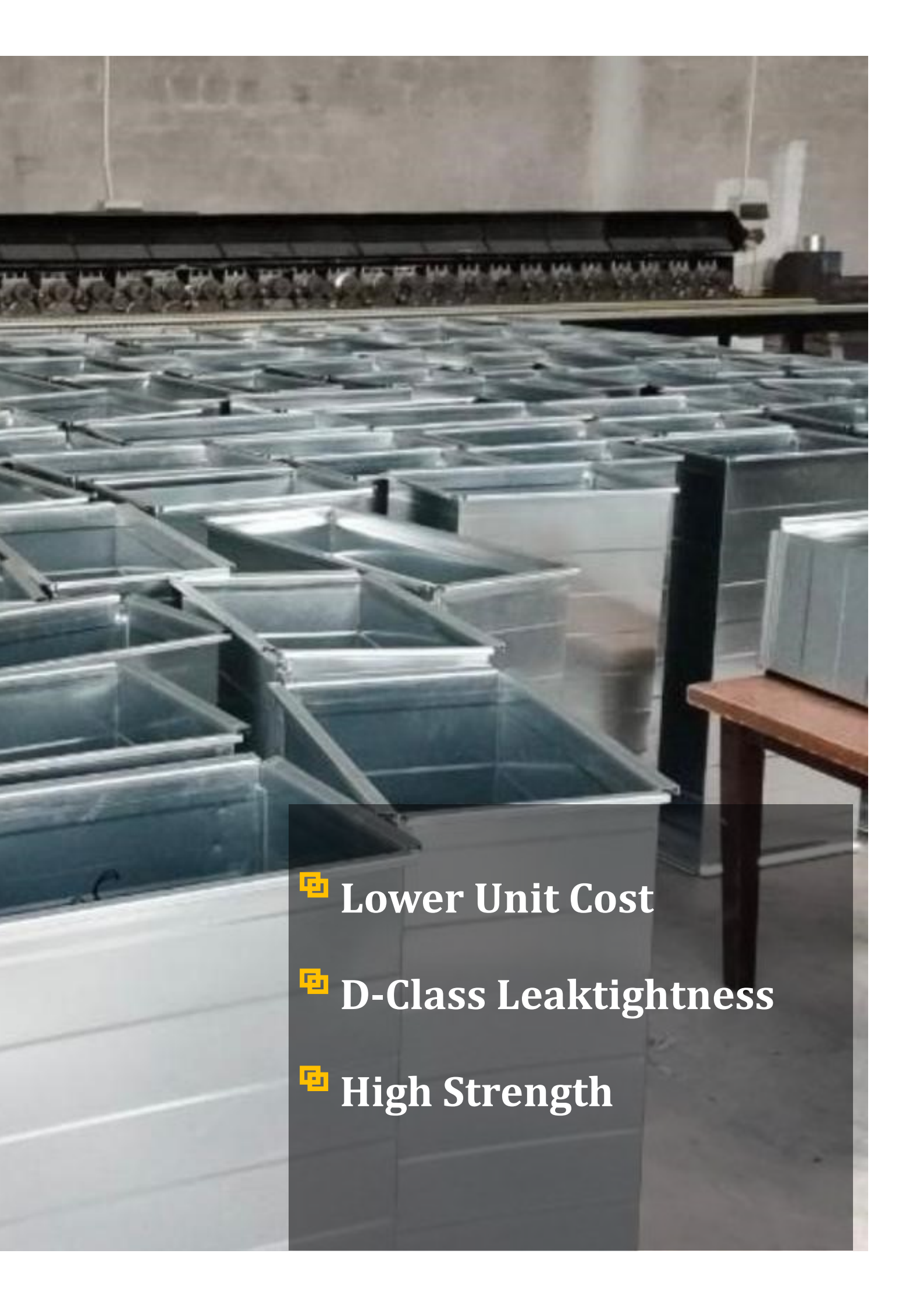




TORUNLAR

TTF Flange System





❏ **Lower Unit Cost**

❏ **D-Class Leaktightness**

❏ **High Strength**



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