SEN FUNG has been established in 1963 as a professional manufacturer of COLD ROLL FORMING MACHINE. We use COPRA® roll design software and AUTO CAD. With more than 40 years of experiences and strict quality control, our products meet European CE and International Standard. We are the leading manufacturer and exporter of cold roll forming machine of Taiwan. We manufacture various kinds of metal sheet cold roll forming machine for producing the following products. Such as: Roofing corrugated sheet, Roof tile, Wall panel, Sandwich panel, Flooring deck, C & Z purlin, Light gauge steel, Door frame, Steel rack, Partition beam, Aluminum ceiling strips, Steel pipe, Stainless steel pipe, etc., and other various steel products.

SEN FUNG has been established in 1963 as a professional manufacturer of COLD ROLL FORMING MACHINE. We use COPRA® roll design software and AUTO CAD. With more than 40 years of experiences and strict quality control, our products meet European CE and International Standard. We are the leading manufacturer and exporter of cold roll forming machine of Taiwan. We manufacture various kinds of metal sheet cold roll forming machine for producing the following products. Such as: Roofing corrugated sheet, Roof tile, Wall panel, Sandwich panel, Flooring deck, C & Z purlin, Light gauge steel, Door frame, Steel rack, Partition beam, Aluminum ceiling strips, Steel pipe, Stainless steel pipe, etc., and other various steel products.

ROLLERS is designed by COPRA® software and AUTO CAD, then processed by CNC Lathe, raw material used SKD-11 or D2 vacuum heat treatment, hardness HRC 60° ±1°, precision inner hole turning, side and surface grinding, strict quality inspection, high precision of products.

ROLLERS is designed by COPRA® software and AUTO CAD, then processed by CNC Lathe, raw material used SKD-11 or D2 vacuum heat treatment, hardness HRC 60° ±1°, precision inner hole turning, side and surface grinding, strict quality inspection, high precision of products.

ROLLERS is designed by COPRA® software and AUTO CAD, then processed by CNC Lathe, raw material used SKD-11 or D2 vacuum heat treatment, hardness HRC 60° ±1°, precision inner hole turning, side and surface grinding, strict quality inspection, high precision of products.

ROLLERS is designed by COPRA® software and AUTO CAD, then processed by CNC Lathe, raw material used SKD-11 or D2 vacuum heat treatment, hardness HRC 60° ±1°, precision inner hole turning, side and surface grinding, strict quality inspection, high precision of products.
TYPES AND SPECIFICATIONS OF SF COLD ROLL FORMING MACHINE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SF-150</th>
<th>SF-240</th>
<th>SF-280</th>
<th>SF-400</th>
<th>SF-460</th>
<th>SF-560</th>
<th>SF-600</th>
<th>SF-700</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>CL L</td>
<td>CL L</td>
<td>CL L</td>
<td>CL L</td>
<td>CL L</td>
<td>CL L</td>
<td>CL L</td>
<td>CL L</td>
</tr>
<tr>
<td>Roll</td>
<td>0.3 x 6.8 mm</td>
<td>0.3 x 12 mm</td>
<td>0.3 x 1.6 mm</td>
<td>0.3 x 2.0 mm</td>
<td>1.0 x 3.6 mm</td>
<td>1.5 x 5.0 mm</td>
<td>1.5 x 6.0 mm</td>
<td></td>
</tr>
</tbody>
</table>

**CL, L TYPE operation and changing mould form**

**CL TYPE:** The roller set (Quick-change Platform) can be easily moved to the other side and put the new roller set (Quick-change Platform) in. This enables the production of different products in the same machine without performing re-alignment.

**L TYPE:** "Fixing type"

The forming rolls can be changed individually, this creates a more flexible function to the "Multi usage" of the machine.

---

**Single Head Type**

<table>
<thead>
<tr>
<th>Model</th>
<th>UCL A</th>
<th>UCL B</th>
<th>UCL C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Weight</td>
<td>1100 kg</td>
<td>2000 kg</td>
<td>3300 kg</td>
</tr>
<tr>
<td>Coil Width</td>
<td>150 mm</td>
<td>300 mm</td>
<td>450 mm</td>
</tr>
<tr>
<td>Coil Inner Diameter</td>
<td>460 – 510 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coil Outer Diameter</td>
<td>1200 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Dual Head Type**

<table>
<thead>
<tr>
<th>Model</th>
<th>UC2 A</th>
<th>UC2 B</th>
<th>UC2 C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Weight</td>
<td>1100 kg</td>
<td>2200 kg</td>
<td>3300 kg</td>
</tr>
<tr>
<td>Coil Width</td>
<td>150 mm</td>
<td>300 mm</td>
<td>450 mm</td>
</tr>
<tr>
<td>Coil Inner Diameter</td>
<td>460 – 510 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coil Outer Diameter</td>
<td>1200 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Hydraulic Single Head Type**

<table>
<thead>
<tr>
<th>Model</th>
<th>UC3 A</th>
<th>UC3 B</th>
<th>UC3 C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Weight</td>
<td>3000 kg</td>
<td>5000 kg</td>
<td>7500 kg</td>
</tr>
<tr>
<td>Coil Width</td>
<td>610 mm</td>
<td>1220 mm</td>
<td>1300 mm</td>
</tr>
<tr>
<td>Coil Inner Diameter</td>
<td>480 – 510 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coil Outer Diameter</td>
<td>1000 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydraulic Single Head Type With Coil Car**

<table>
<thead>
<tr>
<th>Model</th>
<th>UC4 A</th>
<th>UC4 B</th>
<th>UC4 C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Weight</td>
<td>5000 kg</td>
<td>7500 kg</td>
<td>10000 kg</td>
</tr>
<tr>
<td>Coil Width</td>
<td>914 – 1300 mm</td>
<td>914 – 1220 mm</td>
<td>914 – 1300 mm</td>
</tr>
<tr>
<td>Coil Inner Diameter</td>
<td>485 – 510 mm or 580 – 610 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coil Outer Diameter</td>
<td>1000 mm</td>
<td>1200 mm</td>
<td>1300 mm</td>
</tr>
</tbody>
</table>
FULLY AUTOMATIC "NEW PATENT ROOF TILE" ROLL FORMING MACHINE
全自動“新型專利噴漆鋼板屋瓦” 流輸成型機

Machine Model: SF-400-LN
Number of Stations: 16 ~ 25 stations
Length of step: 150 ~ 500 mm
Depth of step: 10 ~ 30 mm
Forming Speed: 12 ~ 15 times / per minute

Complete line consist of:
- Hydraulic single head type uncoiler.
- Roll forming main machine.
- Hydraulic forming tile machine.
- Hydraulic automatic cutting machine.
- Products run out table.
- PLC automatic control cabinet.

ADVANTAGES:
This machine is capable to form two different shapes roof tile use same forming mould. (Traditional shape and three dimensional shape, please refer to the above drawing) The surface of the finished product remains scrape free and paint permanent. Length of step: 150 ~ 500mm adjustable. Length tolerance: ±0.5mm. Depth of each step: 10 ~ 30mm adjustable.

The new patent roof tile products have special three dimensional design, which performs the elegant style of traditional roof tile and suits for every architecture design. With light, strong strength, long lasting quality and beautiful appearance. It is convenient and takes short time and saves cost for insulation. We also supply new patent PU foam injection machine to foam sandwich roof tile. For heat insulation, deafening, fireproof, and waterproof.
FULLY AUTOMATIC "ROOFING TILE" ROLL FORMING MACHINE

Machine Model: SF-400L
Number of Stations: 16-25 stations
Length of step: 150-500mm
Depth of step: 10-30mm
Forming Speed: 15-20 times/minute

Complete line consist of:
- Hydraulic single head type uncoiler.
- Roll forming main machine.
- Hydraulic forming tile machine.
- Hydraulic automatic cutting machine.
- Products run out table.
- PLC automatic control cabinet.

Features of roof tile product:
The roof tile products are formed by cold roll forming machine from high quality coated sheet, which performs the elegant style of traditional roof tile and suits for every architecture design.

With light, strong strength and long lasting quality, it is convenient and takes short time for installation.

Series design of product:
The machine is for continuously roll forming and pressing step tiles on series of product profile. The length can be set up to: 1-20 steps or more. The depth of each step tile: 10-30mm.

いたいタイプの特長:
いたいタイプの波板は、高品質の塗装鋼板を冷間圧延機で成形して成績。その美しさは伝統的な屋根材の優雅な風格を呈し、全ての建築物に適しています。

様々な商品ライン:
この機械は連続的に波形と端部を並べて、商品の成形を行います。長さは1-20段階以上、端部の深さは10-30mmです。
FULLY AUTOMATIC "DOUBLE" HIGH SPEED ROLL FORMING MACHINE

全自動“雙排式”高速滾輪成型機

Advantages

This machine is designed for two roll formers are mounted on a base unit, which is moved laterally by gear motor. Save investment cost and factory area. This enables rolls to be changed on the non-working side whilst production continues on the other side of the mill. The individual roll formers are fully independent in terms of driving. The roll formers come complete with their own set of rolls. The guarding provided will ensure safe working conditions for the operators whilst changing rolls. Rapid unclamping of the outer roll stands for quick tool changing. Hydraulic flying off machine use servo control and tracing system. Producing in line speed: 50M per minute, length accurately. This machine is suitable for the production of small quantity and various products which is changed rolls frequency. Automatic motorized unloading unit is special designed for high speed production capacity and reduce the production cost, create more profit for the customers.

Hydraulic automatic flying cut-off Machine use servo control and tracing system.

Machine Model: SF-280-LD
Number of Stations: 12-16
Forming Speed: 50M per minute

機種：SF-280-LD型
段數：12-16段
成型速度：50米/每分鐘

Complete Line Consists of:
- Rotary head ancoiler
- Double roll forming main machine
- Hydraulic automatic flying cut off machine
- Automatic motorized unloading table
- PLC automatic control cabinet
FULLY AUTOMATIC "DOOR FRAME" ROLL FORMING MACHINE

Machine Model: SF-401L
Number of Stations: 15-17
Forming Speed: 8-10 M/Min

Spot welding free, each corner has been pre-cut with a 45° mitre, giving an accurate fit.

NEW DEVELOPING:
Hydraulic Punching hole, angle & forming in one production line with Computer Control System.

Complete line consist of:
- Uncoiler
- Hydraulic Punching hole & angle
- Roll forming main machine
- Straightener
- Automatic cutting machine
- Computer control System
- Products run out table

FULLY AUTOMATIC "DOOR FRAME" COLD ROLL FORMING MACHINE

- Uncoiler
- Punching hole & angle
- Roll forming machine
- Straightener
- Automatic cutting machine
- Computer control System
- Run out table
FULLY AUTOMATIC "C&Z" PURLIN ROLL FORMING MACHINE

Machine Model: SF-460L
Number of Stations: 12~16
Forming Speed: 20~30 M/Min

<table>
<thead>
<tr>
<th>H</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>50</td>
<td>52</td>
<td>15</td>
</tr>
<tr>
<td>125</td>
<td>50</td>
<td>52</td>
<td>15</td>
</tr>
<tr>
<td>150</td>
<td>65</td>
<td>67</td>
<td>18</td>
</tr>
<tr>
<td>200</td>
<td>75</td>
<td>77</td>
<td>20</td>
</tr>
<tr>
<td>250</td>
<td>75</td>
<td>77</td>
<td>20</td>
</tr>
</tbody>
</table>

ADVANTAGES
- Shearing speed: 1~5 sec. for one time, 6M length accuracy within ±3.0mm
- Unique design gives trouble-free operation.

Complete Line Consists of:
- Single head type uncoiler
- Roll forming main machine
- Hydraulic automatic cut-off machine
- Products run-out table
- PLC automatic control cabinet

HYDRAULIC AUTOMATIC CUT-OFF MACHINE

油壓自動切斷機

機型：SF-460 L型
段數：12~16段
成型速度：20～30 米／每分鐘
FULLY AUTOMATIC "PARTITION BEAM" ROLL FORMING MACHINE
全自動 “隔間樑” 滾輪成型機

Machine Model: SF-240-L
Number of Stations: 12
Forming Speed: 20~100 M/minute

機型: SF-240-L型
段數: 12段
成型速度: 20~100米/每分鐘

Complete Line Consists of:
- Single head type uncoiler
- Roll forming main machine
- Hydraulic automatic cut-off machine
- Products run-out table
- PLC automatic control cabinet

- ADVANTAGES

This machine is fully automatic and high speed producing continuously, one set of forming rolls can produce various sizes of Stud and Runner just by simply and easily changing the spacers, this enables the production of different sizes products on the same rollers.

This machine is also can be designed for in line punching, punching and cutting in one time. Producing in line speed: 20~100 meter per minute, quick or slow speed can be adjusted freely. After roll forming, automatic in line punching and cutting continuously. Cutting length: from 3 meter to 6 meter or more, length tolerance: within ±1 mm. Automatic products piling table is special designed for high speed production capacity and reduce the production cost, create more profit for the customers.

優點:
本機可全自動高速連織生產，採特殊設計之更換滾輪模系統：其特點為所使用之高精度機型可輕易更換滾輪模，使用一套滾輪模即可藉由交互套片方式生產不同尺寸之C型及I型產品，無需額外之滾輪模，變更快速，調整容易。

本機亦可增加線上沖孔和切斷一次性完成，可全自動高速連織生產，生產速度; 每分鐘線上成型速度為20~100M，切斷可達2秒。並且在成型之後隨即線上成型沖孔及切斷，切斷長度: 3M~6M或更長，尺寸公差土1.0mm以内。本機為配合高速生產線，特別設計有自動堆料台，以提高產能，降低生產成本。
FULLY AUTOMATIC HIGH SPEED “T-BAR” ROLL FORMING MACHINE WITH IN LINE PUNCIING.

Machine Model: SF-260L
Number of Stations: 14-16
Forming Speed: 15-20 M/per minute

ADVANTAGES
- Main T forming machine use 20HP inverter motor. Producing in line speed: 40M per minute. Hydraulic automatic punching and cutting machine linked with main forming machine, punching and cutting automatically. Two heads and middle holes are punched and cut-off at the same time after forming. The dimensions of finished products are to p grade, and the product length and hole distance accurately. Products length: 3.6M (12 feet), Imperial system or metric system is optional.

FULLY AUTOMATIC “CEILING T-BAR” ROLL FORMING MACHINE

FULLY AUTOMATIC “CEILING T-BAR” ROLL FORMING MACHINE

机种：SF-260 L型
段数：14-16段
成型速度：15-20米/分

优点：
- T型机使用特定用途专用10HP，成型速度每分钟最快40M，且机器能自动上下移动，同时打孔、切割。T型机长度1.2M或1.8M（2尺）或1.2M（4尺），可自由选择公制或英制系统。

FULLY AUTOMATIC “CEILING T-BAR” ROLL FORMING MACHINE
PRODUCTION FLOW OF STEEL PIPES: 鋼管生產流程

Steel coil → Hoop cage → Forming section → High frequency welding → Sizing → Cutting → Finished products

FULLY AUTOMATIC "CARBON STEEL PIPE" MAKING MACHINE
全自動“碳鋼管”製管機

Specifications of carbon steel pipe making machine (High Frequency welding)
碳鋼管製管機規格表 (高頻焊接)

<table>
<thead>
<tr>
<th>Model</th>
<th>Specification</th>
<th>Thickness</th>
<th>Speed</th>
<th>Hp</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF-24K</td>
<td>9.5mm-25.4mm.</td>
<td>0.5mm-1.0mm.</td>
<td>50M/Minute</td>
<td>25Hp</td>
</tr>
<tr>
<td>SF-33K</td>
<td>9.5mm-38.1mm.</td>
<td>0.5mm-2.0mm.</td>
<td>100M/Minute</td>
<td>50Hp</td>
</tr>
<tr>
<td>SF-42K</td>
<td>12.7mm-50.8mm.</td>
<td>0.7mm-2.3mm.</td>
<td>100M/Minute</td>
<td>50Hp</td>
</tr>
<tr>
<td>SF-46K</td>
<td>21.4mm-60.3mm.</td>
<td>2.0mm-4.5mm.</td>
<td>60M/Minute</td>
<td>45Hp</td>
</tr>
<tr>
<td>SF-56K</td>
<td>50.8mm-101.6mm.</td>
<td>1.5mm-3.2mm.</td>
<td>60M/Minute</td>
<td>45Hp</td>
</tr>
<tr>
<td>SF-70K</td>
<td>76.2mm-152mm.</td>
<td>2.0mm-4.0mm.</td>
<td>48M/Minute</td>
<td>37Hp</td>
</tr>
<tr>
<td>SF-808K</td>
<td>88.9mm-168.3mm.</td>
<td>3.2mm-7.1mm.</td>
<td>40M/Minute</td>
<td>37Hp</td>
</tr>
</tbody>
</table>

K TYPE: for pipe forming machine
K型：製管機專用

One complete line including:

- Dual head uncoiler
- Hoop cage
- Pipe making machine (1) Forming section (2) Welding section (3) Sizing section
- Sealing outer scraper
- N.C. automatic saw cut-off machine
- Products run out table

全套設備包括：

- 雙頭放料架
- 鋼管放料架
- 模型成型主機
- 單道高頻焊接
- 整型定徑段
AUTOMATIC "STAINLESS STEEL PIPE" MAKING MACHINE

PRODUCTION FLOW OF STAINLESS STEEL PIPES:

Steel coil → Forming section → Argon welding → Bead Polishing → Sizing → Cutting → Finished Products

FULLY AUTOMATIC "STAINLESS STEEL PIPE" MAKING MACHINE

One Complete Line Including:
- Dual head ancoiler
- Pipe making machine
  (1) Forming Section
  (2) Welding Section
  (3) Sizing Section
- Bead polishing
- Automatic saw cut off machine
- Products run out table

Specifications of stainless steel pipe making machine (Argon welding)

<table>
<thead>
<tr>
<th>Model</th>
<th>Specification</th>
<th>Thickness</th>
<th>Speed</th>
<th>Hp</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF-240A</td>
<td>9.5mm-22.2mm</td>
<td>0.5mm-1.0mm</td>
<td>3.0-6.0M/Minute</td>
<td>DC7.5Hp*2</td>
</tr>
<tr>
<td>SF-520A</td>
<td>15.9mm-38.1mm</td>
<td>0.7mm-2.0mm</td>
<td>1.5-4.0M/Minute</td>
<td>DC10.4Hp*2</td>
</tr>
<tr>
<td>SF-400A</td>
<td>20.6mm-50.8mm</td>
<td>1.0mm-2.5mm</td>
<td>1.0-4.0M/Minute</td>
<td>DC15.8Hp*2</td>
</tr>
<tr>
<td>SF-430A</td>
<td>38.1mm-76.2mm</td>
<td>1.2mm-3.0mm</td>
<td>0.8-3M/Minute</td>
<td>DC18.9Hp*2</td>
</tr>
<tr>
<td>SF-460A</td>
<td>63.5mm-131.6mm</td>
<td>1.5mm-4.0mm</td>
<td>0.4-2M/Minute</td>
<td>DC20.4Hp*2</td>
</tr>
</tbody>
</table>

www.senfung.com