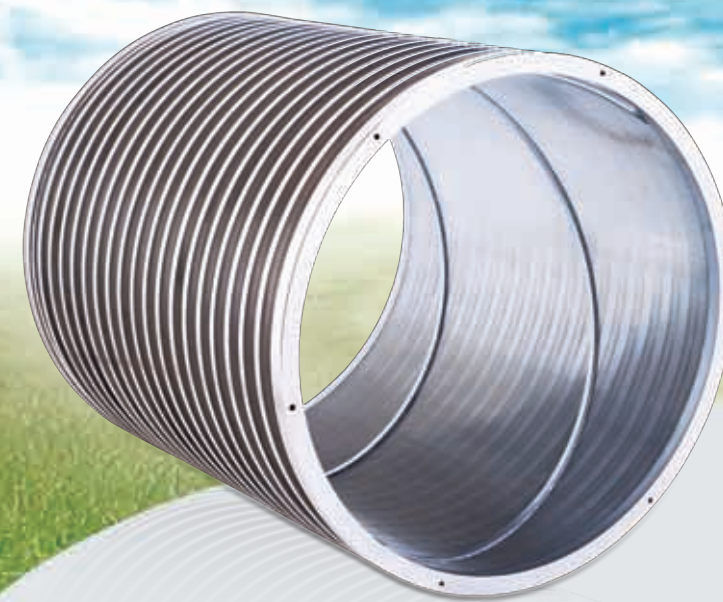
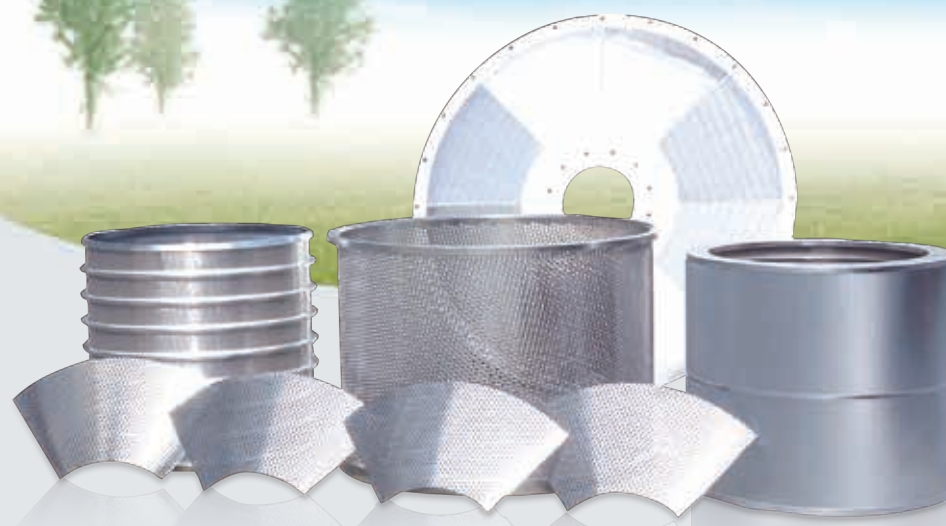


SCREEN PLATE AND BASKET



SLIT AND HOLE INDUSTRY CO., LTD.

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Design by Polaris 2013-05, +886-4-24517070

Screen System, Strainer Plate Manufacturer

HIGH QUALITY
Professional Development



COMPANY PROFILE

| Screen System, Strainer Plate Manufacturer



Slit and Hole was established in 1990 as a manufacturer of consumable goods in the screening system. Since then, we have been specializing in developing and manufacturing screen baskets, screen plates, impellers and rotors for all kinds of paper making machinery. Our products are also applied to machinery in other industries such as: environmental protection, chemical, pharmaceutical

and food industries. Currently we have clients from Taiwan, China, India, Pakistan, U.S.A, and many countries in Southeast Asia. At the same time, we are aggressively expanding to American and European markets.

Our factory is equipped with large-scale CNC machines made in Germany, Japan, and U.S.A. With the modernized manufacture facility, we are capable to reach various requirements and demands in the customized industry. We are confident to provide the optimum equipment and after-sale service for our clients and thus help them keep productivity and quality at a high level.

Slit and Hole consistently aims to offer our quality products to help all paper manufacturers bring out top purity paper with more profit margins while concerning energy efficiency and environment protection at the same time.



公司簡介

| 台灣專業製造篩選網、篩選板、葉輪

長圓工業股份有限公司創立於1990年，專業各類造紙用篩選網、篩選板相關產品之開發與生產為主，產品同時也適用於其他產業，例如環保、化工、製藥、食品等。目前客戶群遍佈台灣、中國、印度、巴基斯坦、美國、東南亞國家等，並積極佈局、美洲、歐洲…等地行銷。

在現代化廠房中，擁有德國、日本、美國等大型CNC加工機，輔以電腦輔助設計製

造加工系統設備，使產品達到國際先進質量水準，並有信心及能力協助客戶需求變更設計產品以達到有效提高產量、降低生產成本，進而使客戶獲得更高的利潤營收與產品競爭力。

在各界提倡節約能源與環境保護的世界趨勢中，為紙業提供潔淨紙品與創造更多的獲利空間，這是各造紙廠努力的重點，也是長圓工業一貫努力的目標。

BAR TYPE

| The Advantages of Bar Type of Screen Baskets

1. The support ring is processed by water jet cutter, with constant temperature cutting process. Through this process, it can keep the shape of support ring remain unchanged, which won't be deformed by temperature variances. Increase the alignment and the precision of slot.
2. Increase the open area, save the energy consumption and the operating cost.
3. Patent profile screen bars can increase the efficiency for specific pulp and increase the velocity of pulp through the screen basket.
4. Unique profile which can be applied in a high operating consistency, also avoid clogging and minimize the dilution water consumption.
5. Specially designed for high quality paper product, it can remove the contaminants such as: spots, sticky, and hot melt adhesive etc. in order to improve the efficiency and quality of paper machines.
6. Special structural design and surface treatment with electrolytic polished and chrome coating could extend the lifetime of screen basket and reduce the procurement cost.

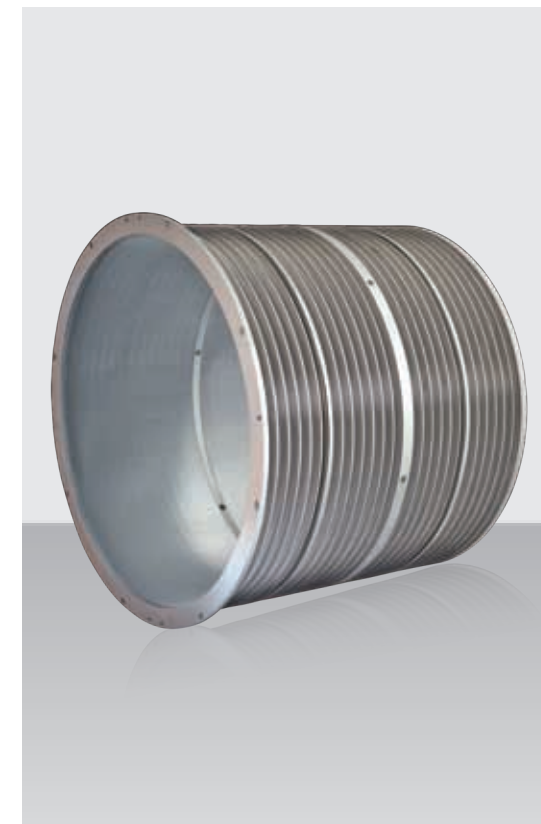


Slot Width mm	OPEN AREA				
	Bar Width mm				
	2.5	3	3.2	3.5	4
0.10	3.9	3.2	3	2.7	2.4
0.13	5	4.2	4	3.5	3.1
0.15	5.8	4.8	4.5	4	3.6
0.18	7	5.7	5.4	4.8	4.3
0.20	8	6.3	6	5.3	4.8
0.22	8.6	6.8	6.5	5.8	5.2
0.25	9.7	7.7	7.5	6.5	5.9
0.28	11	8.5	8	7.2	6.5
0.30	11.8	9	8.6	7.7	7
0.33	12.6	10	9.5	8.4	7.6
0.35	13	10.4	10	8.9	8
0.40	15	11.8	11	10	9.1
0.45	17	13	12.5	11.1	10.1
0.50	19	14.3	13.9	12.2	11.1

紙漿過濾網

| 篩網的優點

1. 使用先進的水刀設備切割，不因加工時產生的熱變形，提高篩縫的精準度與一致性。
2. 增加開孔面積，節省動能與操作成本。
3. 精細結構的篩選條，可增加特定漿料的處理效能，提高通過篩網流速。
4. 獨特的造型使得可採用較高濃度操作，並減少阻塞發生，降低稀釋用水。
5. 特別對高品質紙品，去除汙染物如：斑點、黏汙物、及熱熔膠等，可增進紙車運轉性與品質。
6. 特殊的結構設計及表面電鍍硬鉻處理，延長使用時間，減少購置成本。





MILLING TYPE

The Advantages of Milling Counter Profile Type of Screen Baskets

1. Milling counter profile type will create turbulence flow, so that the screen basket cannot clog so easily.
2. With High structural strength, it can be operated in high flow and high consistency.
3. Surface treatment with electrolytic polish and chrome coating can extend the life time of screen basket.



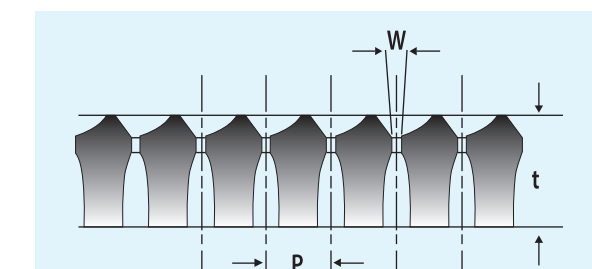
紙漿過濾網

篩網的優點

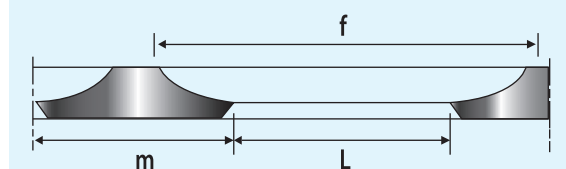
1. 具有擾流型式，篩選不易阻塞。
2. 高結構強度，可使用較高流量與濃度的操作。
3. 電鍍硬鉻處理，延長使用壽命。

SLOTTED PLATES

Dimension	MIN.	MAX.
Dia. (mm)	200	1800
Height (mm)	200	1800
Thickness (mm)	3	10
Width (mm)	0.2	1.2
Material	SUS 316L	



Grove and Slot Milled with Contoured Design.



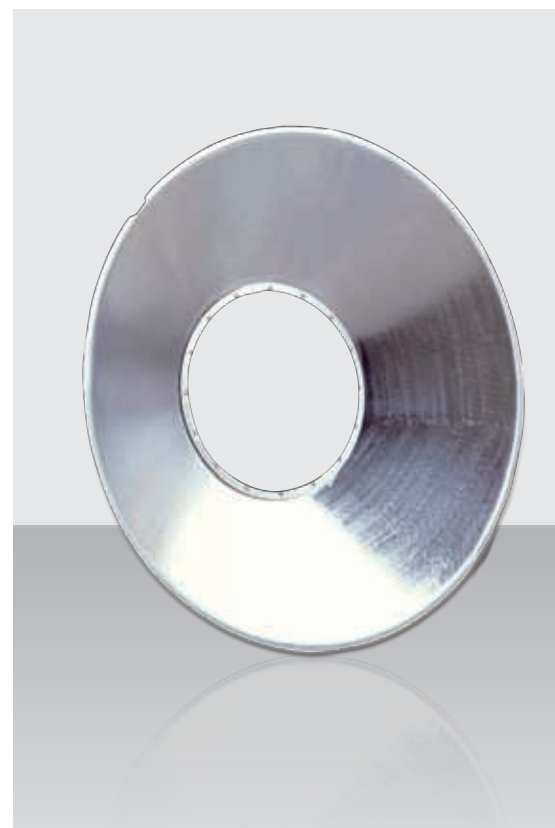
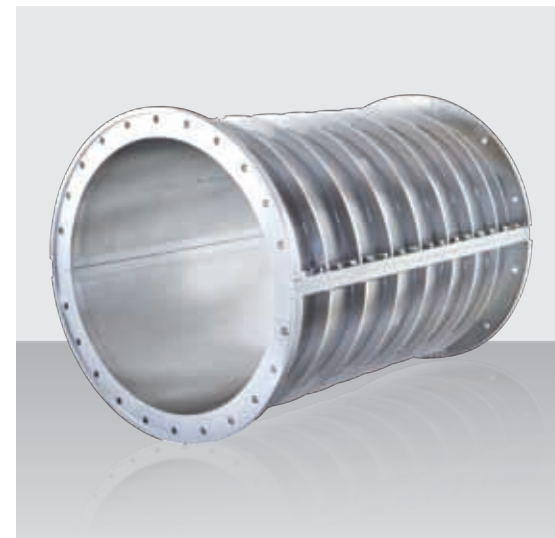
Grove and Slot Milled on The Opposite Side.

SLOT OPEN AREA

$$A\% = \frac{W \times L}{P \times (L+m)} \times 100$$

DRILLED TYPE

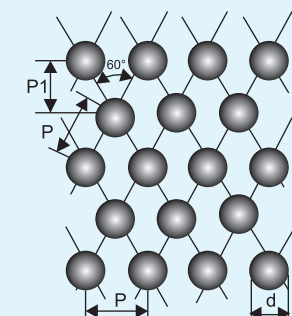
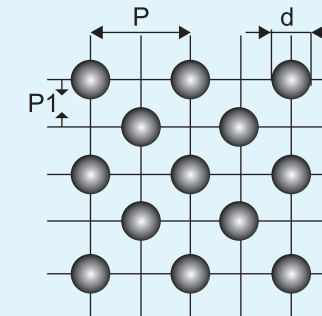
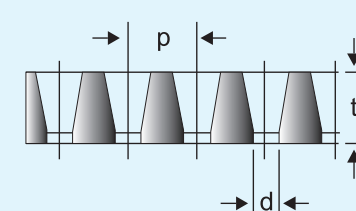
| The Advantages of Drilled Type of Screen Baskets



Drilled Type			
Shape	D101	D102	D103
Plate Thickness	5~10 mm	6~10 mm	6~10 mm
Min. Diameter	1.0 mm	1.0 mm	1.0 mm

Drilled Type			
Shape	D104	D105	D106
Plate Thickness	5~8 mm	5~8 mm	5~8 mm
Min. Diameter	1.0 mm	1.0 mm	1.0 mm

SCREEN PLATES



Material SUS 316L
 Plate Thickness 3mm~19 mm
 Dia. Max. Ø1800 mm
 Height Max. 1800 mm
 Hole Min. Ø1.2 mm

HOLE OPEN AREA

$$P \geq P_1$$

$$A\% = \frac{d^2 \times 78.5}{P \times P_1}$$

$$P_1 = 0.866P$$

$$A\% = \frac{d^2 \times 90.7}{P^2}$$

ROTOR AND IMPELLER

| The Advantages of Rotor and Impeller

1. Rotor and impeller are designed by computer aided design(CAD) to achieve reducing energy consumption and operating cost.
2. Shape of rotor and impeller are designed with Hydrodynamic principle, which can run in the optimum linear speed to prevent any clog even operating in high consistency pulp.
3. Made with special wearing resistant alloy steel which can extend lifetime.



葉輪與轉子

| 葉輪與轉子的優點：

1. 以電腦輔助分析設計，達到節能目的，降低生產成本。
2. 特殊幾何流線角度能使轉子達到最佳化運轉，使纖維不易阻塞並提高漿料濃度。
3. 使用特殊耐磨合金鋼製作，能延長使用壽命。

OTHER

| Industrial liquid Filter and Special Laser Hole Filter

1. Widely used in food processing industry, chemical product industry, and textile industry, etc.
2. Long effective duration, good cleaning capability, and competitive price.



| 液體過濾器、特殊雷射孔過濾器：

1. 適用於食品加工業，化工產品業，紡織業。
2. 價格具競爭性，有良好的潔淨功能，使用壽命長。