



SHEH KAI Precision Co., LTD.

世鎧精密股份有限公司

Stainless Steel Wire Factory

不銹鋼伸線事業部

CATALOG

產品型錄

Overview of Stainless Steel Wire Drawing Division

不鏽鋼伸線事業部概況

世鎧精密股份有限公司於2007年7月，在路竹設立不銹鋼伸線廠，工廠總面積5357平方公尺，於2020年增購機器設備，目前的月產能達到600公噸，能提供線徑由1.5至17mm，生產產品主要包括沃斯田鐵系300系列及200系列鋼種

不銹鋼伸線廠有助於上下游資源整合，並大幅提升管理的自主性及及時供應內部產品所需線材，並可提供螺絲、螺帽、牙條…等扣件及彈簧線、電解拋光線、車輪輻條、鐵釘、排釘各式鋼線之材料

ShiKai Precision Co., Ltd. established a stainless steel wire drawing factory in Luzhu in July 2007. The total area of the factory is 5,357 square meters. With the additional machinery and equipment purchased in 2020. The current monthly production capacity has reached 600 metric tons; it can provide wiring diameter from 1.5 to 17mm; products mainly include Austenitic 300 series and 200 series steel.

Stainless steel wire stretching factory is essential for the integration of upstream and downstream resources for manufacturing, and greatly improves the autonomy of management and timely supply of wire materials required for internal production that includes screws, nuts, metal gears...as well as other fasteners and spring wires, electrolytic polishing wires, wheel spokes, iron nails, row nails and various steel wires.

關於世鎧 About ShehKai

1992 世鎧精密成立
ShiKai Precision was established

2007 設立不銹鋼伸線廠
Established a stainless steel wire drawing factory

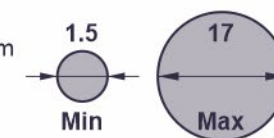
2020 不銹鋼伸線廠增購設備
Stainless steel wire drawing factory purchases additional equipment



產品 Products

材質：沃斯田鐵系300系列及200系列
Material: Austenitic 300 series and 200 series steel

線徑範圍：1.5-17 mm
Wire diameter range: 1.5-17 mm



認證 Certified



ISO 9001:2015
ISO14001:2015 Certified

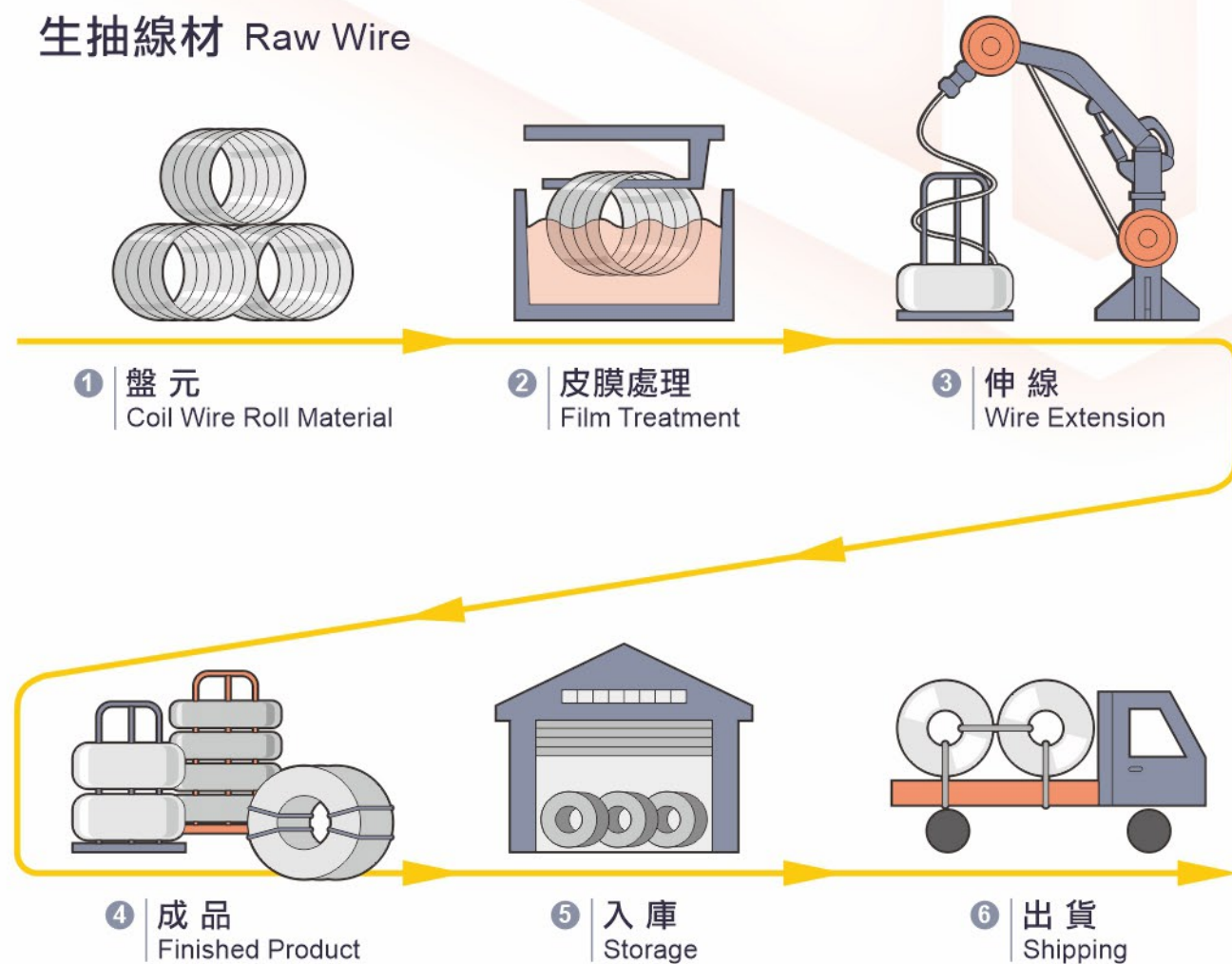
Common manufacturing process
of stainless steel wire

不銹鋼線材常用製造流程

特殊製程可因應客戶需求調整

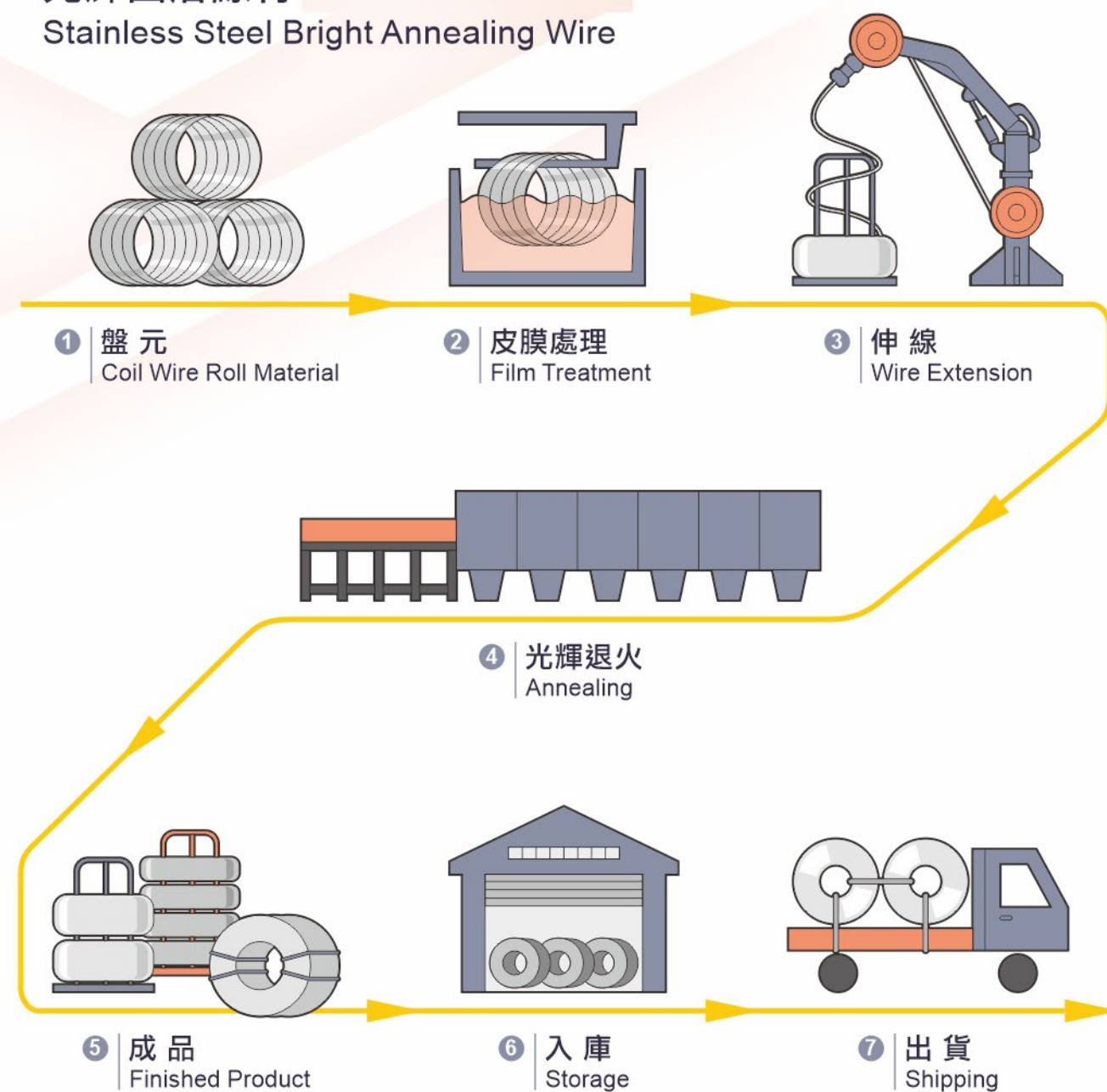
Special process can be adjusted according to customer needs

生抽線材 Raw Wire



光輝固溶線材

Stainless Steel Bright Annealing Wire



Mechanical Properties of Stainless Steel Wire

不銹鋼線材機械性質

材 質 Steel Spec	規格 mm Diameter	製 程 Processing	硬度 HRB Hardness	抗拉強度 Kg/mm ² Tensile Strength	延伸率% Elongation	晶粒號數 Grain Size
204Cu	<3.8	一抽一退 Wire Drawing & Solution Annealing	Max 90	Max 75	Min 50	4-6
	3.8-5.5		Max 90	Max 69	Min 50	4-6
	>5.5		Max 90	Max 67	Min 50	4-6
304M	<3.4	一抽一退 Wire Drawing & Solution Annealing	Max 87	Max 70	Min 45	4-6
	3.4-4.0		Max 87	Max 68	Min 45	4-6
	4.0-5.5		Max 87	Max 65	Min 45	4-6
	>5.5		Max 87	Max 62	Min 45	4-6
304M4	<3.4	一抽一退 Wire Drawing & Solution Annealing	Max 89	Max 75	Min 45	4-6
	3.4-5.5		Max 89	Max 68	Min 45	4-6
	>5.5		Max 89	Max 65	Min 45	4-6
304J3	<3.0	一抽一退 Wire Drawing & Solution Annealing	Max 82	Max 60	Min 42	4-6
	3.0-3.8		Max 82	Max 58	Min 42	4-6
	3.8-4.3		Max 82	Max 56	Min 42	4-6
	>4.3		Max 82	Max 54	Min 42	4-6
302HQ	<2.8	一抽一退 Wire Drawing & Solution Annealing	Max 82	Max 64	Min 42	4-6
	2.8-4.0		Max 82	Max 58	Min 42	4-6
	4.0-5.2		Max 82	Max 55	Min 42	4-6
	>5.2		Max 82	Max 53	Min 42	4-6
305	<3.4	一抽一退 Wire Drawing & Solution Annealing	Max 82	Max 63	Min 45	4-6
	3.4-4.0		Max 82	Max 60	Min 45	4-6
	4.0-5.5		Max 82	Max 59	Min 45	4-6
	>5.5		Max 82	Max 55	Min 45	4-6
316Cu	<3.5	一抽一退 Wire Drawing & Solution Annealing	Max 81	Max 63	Min 30	4-6
	3.5-4.5		Max 81	Max 59	Min 30	4-6
	4.5-5.5		Max 81	Max 56	Min 30	4-6
	>5.5		Max 81	Max 55	Min 30	4-6
316L	3.8-5.5	一抽一退 Wire Drawing & Solution Annealing	Max 85	Max 65	Min 30	4-6
	>5.5		Max 83	Max 60	Min 30	4-6

若有其它沃斯田鐵系300系列及200系列鋼種需求，歡迎洽詢
Inquires for types in stainless steel other than Austenitic 300 and 200 series are welcome as well.

Chemical Composition of Stainless Steel Wire

不銹鋼線材化學成分

材 質 Material	C _{Max}	Si _{Max}	Mn _{Max}	P _{Max}	S _{Max}	Ni	Cr	Mo	Cu
204Cu	0.15	0.15	0.15	0.15	0.15	1.50-3.50	15.50-17.50	-	2.00-4.00
304M	0.08	0.08	0.08	0.08	0.08	9.00-10.50	18.00-20.00	-	-
304M4	0.08	0.08	0.08	0.08	0.08	8.00-10.50	18.00-20.00	-	-
304J3	0.08	0.08	0.08	0.08	0.08	8.00-10.50	17.00-19.00	-	2.00-3.00
302HQ	0.08	0.08	0.08	0.08	0.08	8.00-10.50	17.00-19.00	-	3.00-4.00
305	0.08	0.08	0.08	0.08	0.08	10.50-13.00	17.00-19.00	-	Max 1.00
316Cu	0.08	0.08	0.08	0.08	0.08	10.00-11.00	16.50-17.50	2.00-2.50	3.00-3.50
316L	0.03	1.00	2.00	0.045	0.03	10.00-14.00	16.00-18.00	2.00-3.00	-

Application
產 品 應 用

- 螺絲、螺栓、鐵釘用線 Screws, Bolts and Nails
- 彈簧線 Spring Wire
- 電解拋光線 Electropolishing Line
- 車輪幅條 Wheel Spokes
- 網線 Cable





SHEH KAI

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