

The background of the slide is a photograph of the Oriental Pearl Tower in Shanghai, China, with other skyscrapers of the Pudong skyline visible. The image is partially obscured by a large blue diamond shape and various geometric overlays.

# SCR INTRODUCTION

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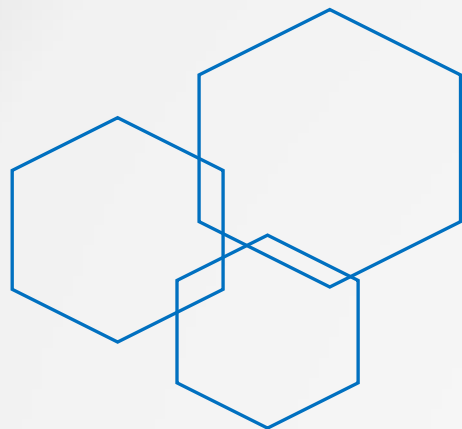
07

Partner In the world

08

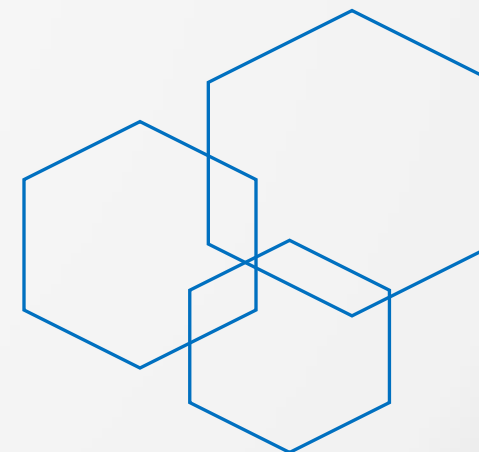
Why Choose SCR





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# 01 About US



# Company Introduction



Shanghai Screw Compressor Co., Ltd(SCR) is a company registered in 2000, focus on research and development, production, sales and service of screw air compressors, SCR have more than 80,000 square meter modern factory and own more than 250 employees, more than 10% of them are professional engineers in this field. After many years development, SCR already get ISO9001 certificate, CE Certificate for European Market, UL certificate for United State market and Class Zero certificate for our oil free screw compressors.

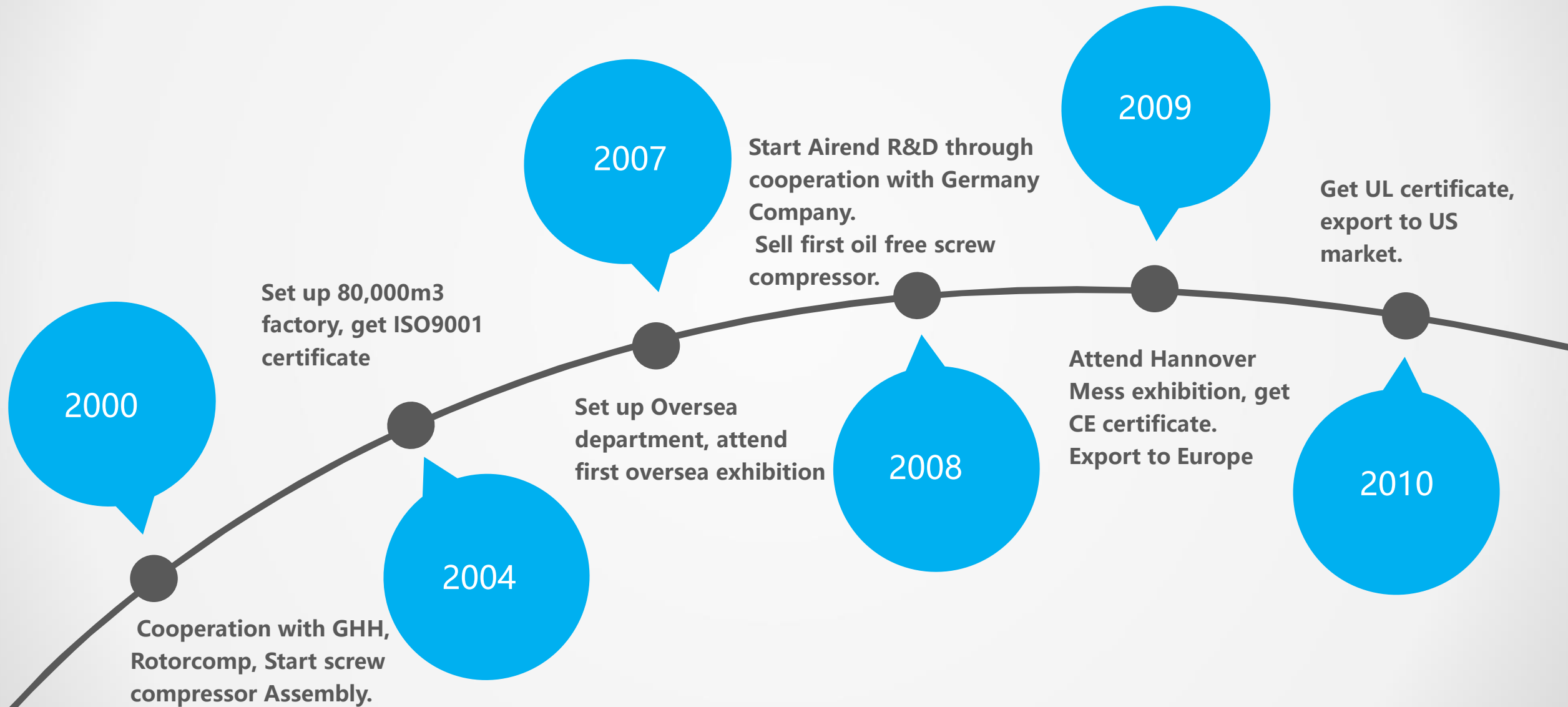
Our products range include oil-free series compressor, energy-saving series screw compressor, standard series screw compressor.

We export to more than 55 countries around the world and establish the global sales and service network around the world together with our partners in different countries.

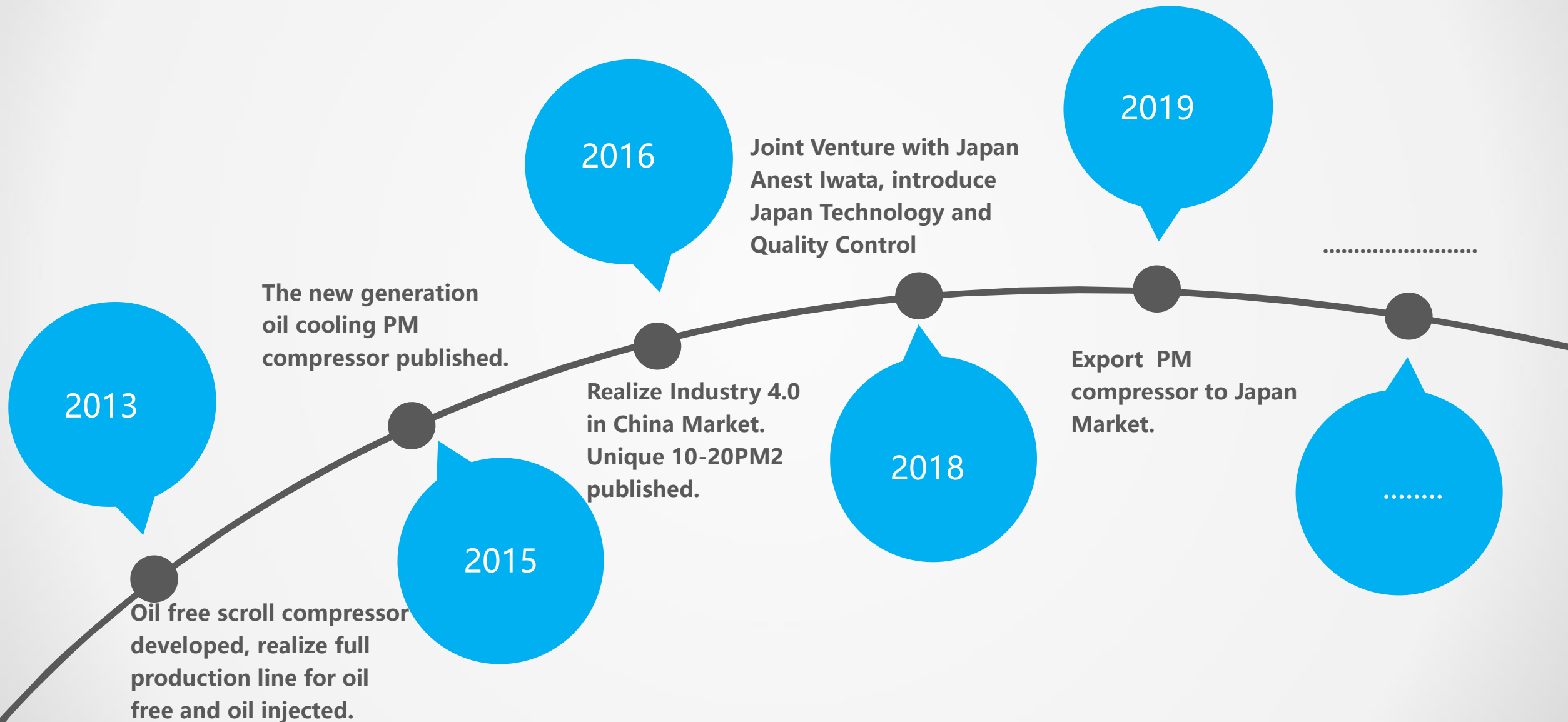
In 1st, Jan of 2018, SCR become a joint venture with Japan Anest Iwata , SCR introduce in Japan Technology and high quality management system from Japan, and it bring more benefit for our partners after joint venture.



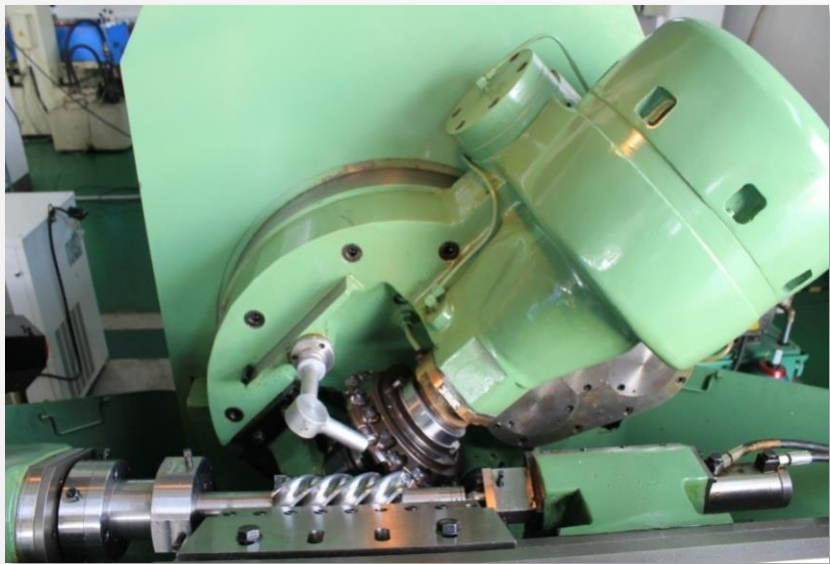
# Company History



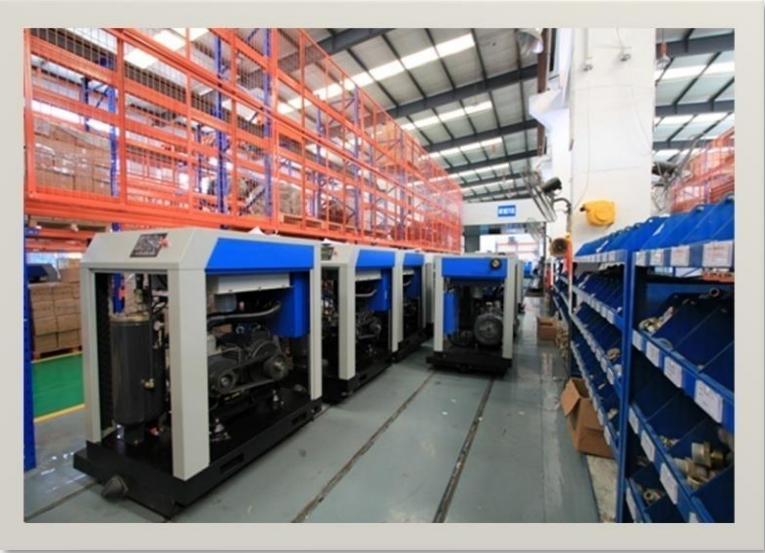
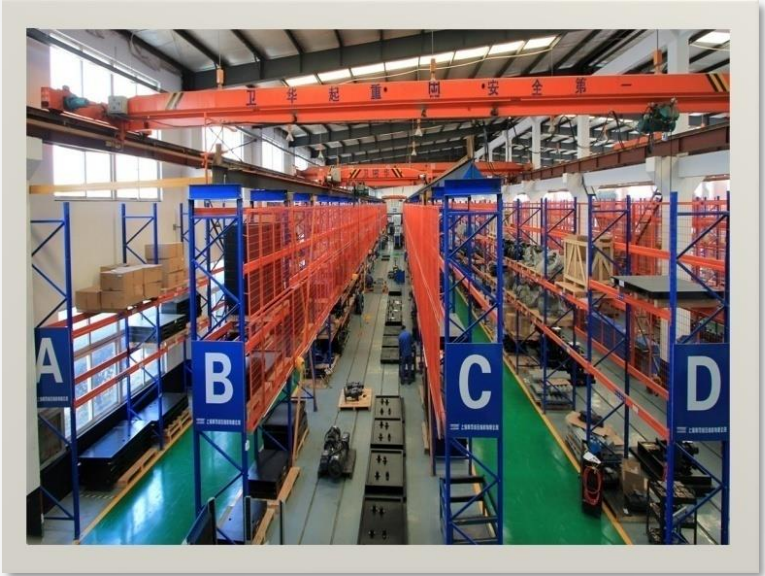
# Company History

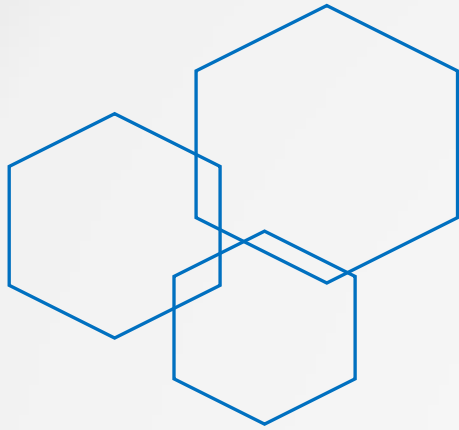


# Factory View-Airend Equipment

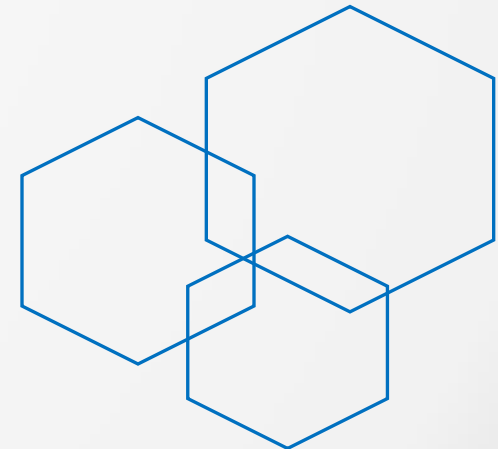


# Factory View-Compressor Assembly





# 02 Company Certificate



# Company Certificate




ISO Certificate



CE Certificate

# Company Certificate



 the standard in safety

Underwriters Laboratories

File E336180

Vol 1

Issued: 2010-05-11  
Revised: 2010-05-11

FOLLOW-UP SERVICE PROCEDURE  
(TYPE L)

INDUSTRIAL CONTROL PANELS  
(NITW, NITW7)

Manufacturer:  
(100528-290)

SHANGHAI SCREW COMPRESSOR CO LTD  
NO 1555 TINGFENG RD  
JINSHAN AREA  
SHANGHAI  
201504 CHINA

Applicant:  
(100528-290)

SAME AS MANUFACTURER

Listee:  
(100528-290)

SAME AS MANUFACTURER


This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products covered by this Procedure, in accordance with the applicable UL Services Agreement.


The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. (UL) or any authorized licensee of UL, upon request.

This PROCEDURE, and any subsequent revision, is the property of Underwriters Laboratories Inc.(UL) and the authorized licensee of UL and is not transferable.

Underwriters Laboratories Inc.






Stephen Hewson  
Senior Vice President  
Global Follow-Up Service Operations

William R. Carney  
Director  
North American Certification Program

Created by UL Document Assembler 2010-06-28 23:56:28 -05:00

UL Certificate

CERTIFICATE  
of Conformity



Registration No.:

AK 50263684 0001

Report No.:

15063923 001

Holder:

Shanghai Screw Compressor Co., Ltd.  
No.1555 Ting Feng Road,  
Industry Zone, North Jin Shan,  
Shanghai 201504  
P.R. China

Product:

Air compressor  
(Screw air compressor)

Identification:

Type Designation:

SCR60G-x  
SCR125G-x  
SCR220G-x

SCR75G-x  
SCR150G-x

SCR100G-x  
SCR180G-x

x:The max.working pressure, in MPa, can be 0.7, 0.8 and 1.0.

Remark: Refer to test report 15063923 001 for details.  
Compressed air purity class for total oil: 0

Tested acc. to:


ISO 8573-1:2010  
ISO 8573-2:2007  
ISO 8573-3:2001

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date

22.08.2013

Certification Body



Dipl.-Ing. (FH) F. He

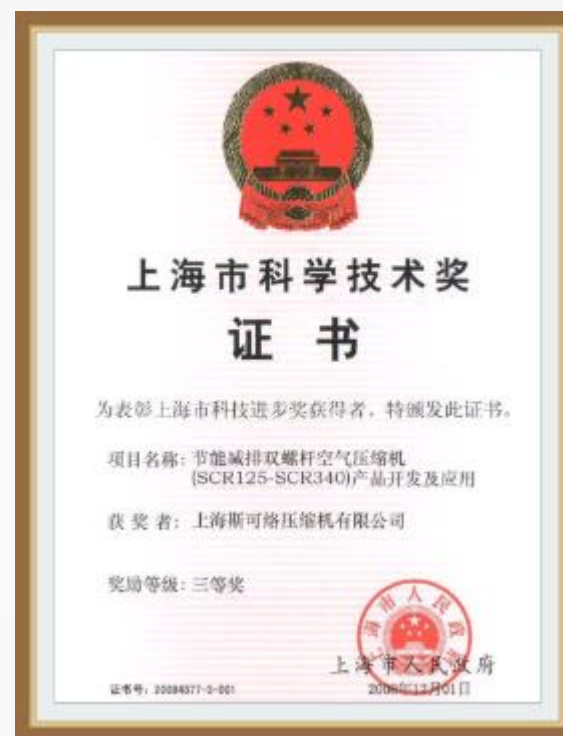
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CLASS 0 Certificate

# Company Certificate



High Tech Certificate



Technology Development



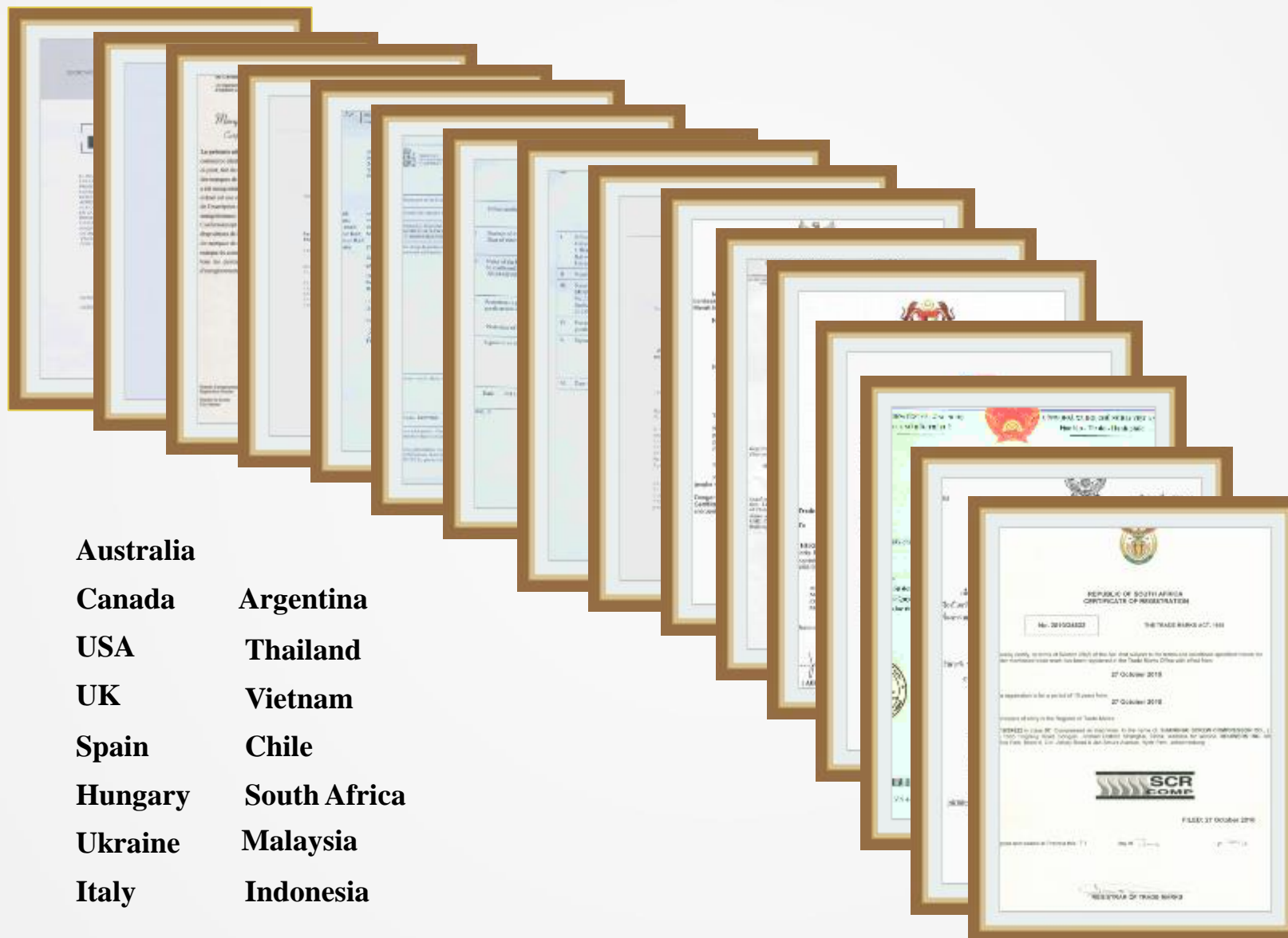
Torch Program

# Company Patent



Patent

# SCR Brand Registered Certificate



**Australia**

**Canada**

**USA**

**UK**

**Spain**

**Hungary**

**Ukraine**

**Italy**

**Argentina**

**Thailand**

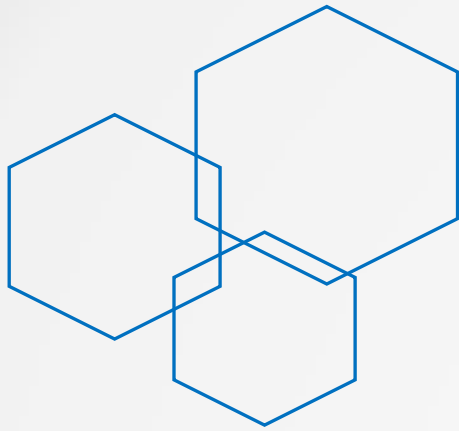
**Vietnam**

**Chile**

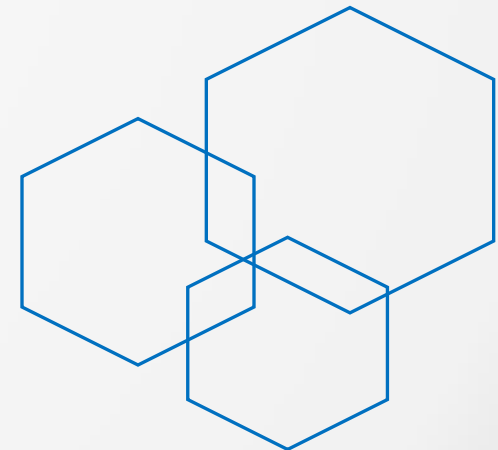
**South Africa**

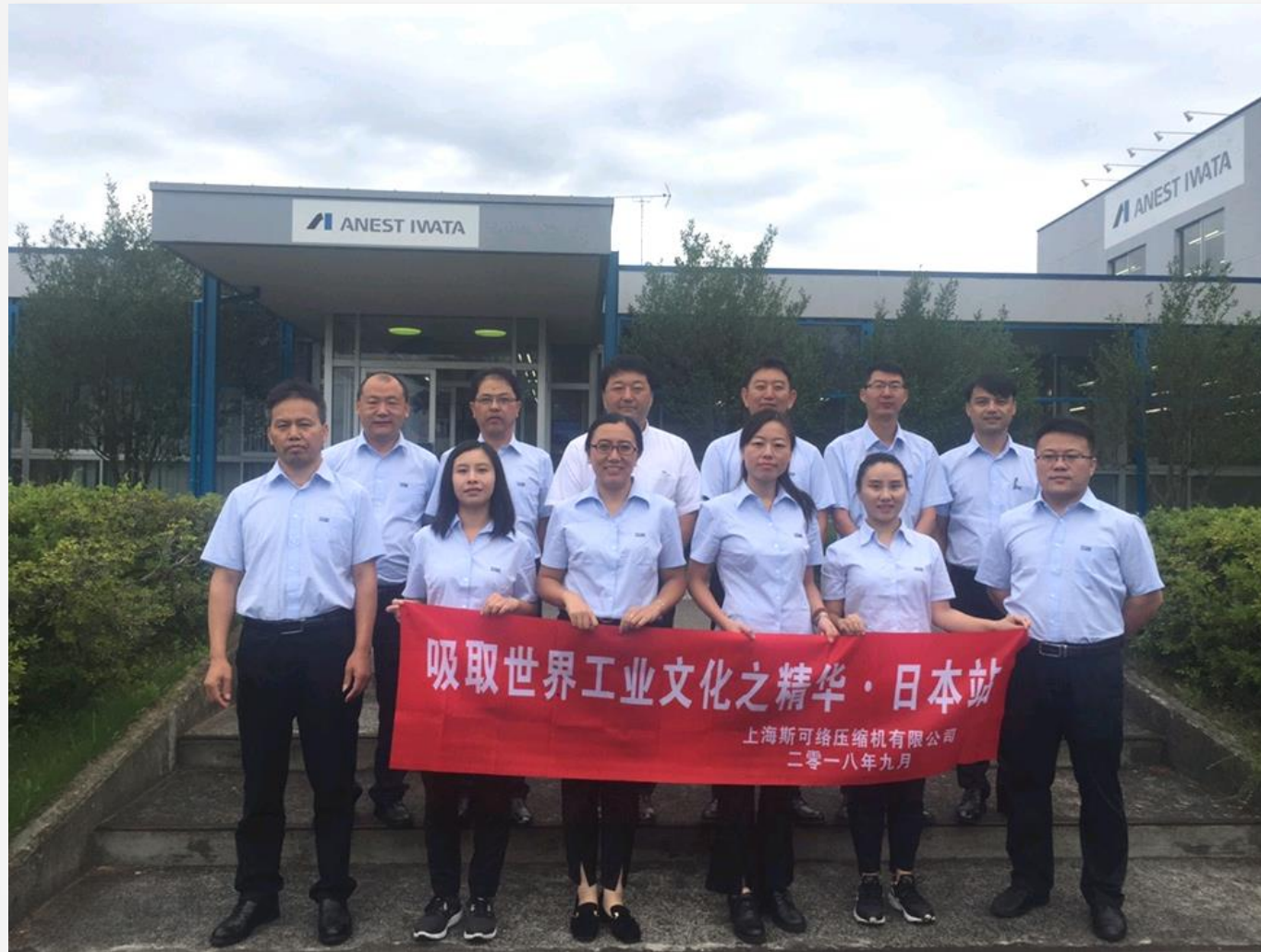
**Malaysia**

**Indonesia**



# 03 Quality Control





**Introduce in the Japanese Quality Control System.**



**Continuous training for the manufacturing.**



**Continuous training for the Quality Control.**



上海斯科尔压缩机有限公司  
螺杆空气压缩机机械电气装配性能检验表

机器系列号: SCR50M-8/SL5 BOM号: 80809018-009  
机器型号: SCR50M-8/SL5 操作者: 黄伟

序号	检查项目	依据或标准	检查结果		备注
			合格	不合格	
1	各个仪表装配是否正确	《测试规程》	✓		
2	各联接螺栓是否装妥	《测试规程》	✓		
3	整机应无异常噪音及振动	《测试规程》	✓		
4	管路应无漏油漏气现象	《测试规程》	✓		
5	控制方式是否符合规定	《生产工作令》	✓		
6	主电机及风扇电机参数无误	《生产工作令》	✓		
7	整机压力值设定是否正确	《生产工作令》	✓		
8	安全阀开启压力是否正确	《测试规程》	✓		
9	最小罐压是否正确	《测试规程》	✓		
10	主电机满载电流有无超过额定值	电机铭牌	✓		
11	主保护热继(电流)设定值是否正确	《测试规程》	✓		
12	柴油机怠速是否设定到额定值	《测试规程》	✓		
13	排气温度是否正常	《操作维护手册》	✓		
14	回油管回油是否正常	《测试规程》	✓		
15	润滑油油位是否正确	《测试规程》	✓		
16	冷却器和疏水阀中积水是否放尽	《测试规程》	✓		
17	风扇电机热继是否正确	《测试规程》	✓		
18	电柜(蓄电池)接线是否松动脱落	《测试规程》	✓		
19	柴油机满载/空载转速设定是否正确	《测试规程》	✓		
20	燃油箱中的存油是否放尽	《测试规程》	✓		
21	水箱水位及封盖预压力是否妥当		✓		
22	运行时间是否到2小时		✓		
23	能否进入下道工序	《测试规程》	✓		

注: 若出现不合格项, 必须停机检查并消除不合格因素, 再测试直到合格为止。

检验人员: 吴毅峰 测试日期: 5/30

90070308 Rev A

上海斯科尔压缩机有限公司  
螺杆空气压缩机整机装配报告

Order	SCR50M-8/SL5	BOM No	80809018-009	S/N	SCR11001
制造商		零件号		系列号	
最高工作压力	MPa			装配责任人	陈孝东
传动		机头零件号	42703789	连接筒	□有 <input checked="" type="checkbox"/> 无
皮带零件号	45160194	制造商	0125	张紧力	初装 820
皮带零件号	51216160	制造商	1111	对中精度	初装
皮带零件号	51216160	制造商	1111	对中精度	二次
联轴器零件号		制造商		调整	□Yes □No
驱动及油气分离器				装配责任人	陈孝东
主电机		型号	3-70012-2	功率 HP/KW	37kw
制造商	37kw	零件号	10602017-181	系列号	20110727030-2
Volt /Hz /pole	380V 50Hz				
柴油电机		型号		功率 HP/KW	
制造商		零件号		系列号	
额定转速/转速	rpm				
油气分离器(油气管)		型号		功率 HP/KW	
制造商	37kw	零件号	2490195-020	系列号	5111040015
最高工作压力	1.0 MPa			装配责任人	陈孝东
冷却系统		型号	37kw-1100000	功率 HP/KW	1100000
风扇制造商	37kw	零件号	7002018-110	系列号	1100000
Volt /Hz /pole	380V 50Hz				
冷却器-风冷制造商	37kw	零件号	1520097-301	系列号	1100000
冷却器-水冷制造商		零件号		系列号	
电器				装配责任人	陈孝东
电柜制造商		零件号	45014090-605	系列号	1107190683
PLC 控制器制造商	37kw	零件号		系列号	
变频器				接线人	陈孝东
电磁阀制造商		零件号		系列号	
压力传感器制造商	Haba	零件号	02715016-004	系列号	400811
温度传感器制造商	100	零件号	10010100-005	系列号	110610651
管路控制				装配责任人	陈孝东
空滤器制造商		零件号	2500101	系列号	
油滤器制造商		零件号	2500101	系列号	
油分器制造商		零件号		系列号	
油控阀制造商		零件号		系列号	
进气阀制造商		零件号	2500101	系列号	
压力传感器制造商		零件号	2500101	系列号	
安全阀制造商		零件号	2500101	系列号	
检测压力测试		MPa		检查人	陈孝东
测试空气压力					
装配过程记录					

注: 带“□”者为选择项, 按实际配置要求填“×”表示。

报告人: 陈孝东 日期: 5/30  
检查人: 陈孝东



上海斯可络压缩机有限公司

压缩机轴功率/比功率测试报告——电机驱动

压缩机型号	SCR50M-8/SLS	BOM No.	80809018-009	机组系列号	SC808319
公称容积流量	5.76 m <sup>3</sup> /min	额定排气压力	8	机头系列号	42703998
电机型号	Y2-200L2-2	电压	400 Volt	频率	50 Hz
电机额定功率	37 kW	P/N		系列号	727034-1
使用系数PF		额定转速N <sub>c</sub>	2950 rpm	效率η <sub>m</sub>	0.921
风扇电机型号	FZL650	P/N		效率η <sub>F</sub>	0.78
传动型式	皮带	传动效率η <sub>e</sub>	0.98		
电机输入功率W <sub>m</sub>	43.2 kW	测试转速N <sub>R</sub>	2951 rpm		
输入电流	L1 69.2 A L2 69.7 A L3 70.1 A	输入电压	L1 393 V L2 393 V L3 393 V		
测试容积流量Q <sub>R</sub>	5.96 m <sup>3</sup> /min	风扇电机功率W <sub>F</sub>	1.05 kW		
绝对吸气压力	规定工况 P <sub>1C</sub> 测试工况 P <sub>1R</sub>	100 kPa 101 kPa			
转速修正系数K <sub>1</sub>	$K_1 = \frac{N_c}{N_R} =$	0.999661132			
压缩机的轴功率W <sub>R</sub>	$W_R = W_m \times \eta_m \times \eta_e + W_F \times \eta_F$ =	39.810456 kW			
修正的容积流量Q <sub>C</sub>	Q <sub>C</sub> = K <sub>1</sub> × Q <sub>R</sub> =	5.957980346 m <sup>3</sup> /min			
吸气压力修正系数K <sub>2</sub>	$K_2 = \frac{P_{1C}}{P_{1R}} =$	0.99009901			
修正的轴功率W <sub>C</sub>	W <sub>C</sub> = K <sub>1</sub> × K <sub>2</sub> × W <sub>R</sub> =	39.40293614 kW			
修正的机组输入功率Pi	Pi = K <sub>1</sub> × K <sub>2</sub> × (W <sub>m</sub> + W <sub>F</sub> ) =	43.79703474 kW			
比功率q <sub>C</sub>	$q_c = \frac{W_C}{Q_C} =$	6.613471991 kW/(m <sup>3</sup> /min)			
机组输入比功率qi	$q_i = \frac{P_i}{Q_C} =$	7.350986777 kW/(m <sup>3</sup> /min)			
备 注					

测试部门 品保部 测试人 黄伟 审核  
日期 11.08.30 日期

90070311 RevB



上海斯可络压缩机有限公司

ASME喷嘴测量排气量纪录计算表格

B.O.M	80809018-009	机型	SCR50M-8/SLS	整机 S/N	SC808319
压缩机机头 P/N	AW147D	压缩机机头S/N	42703998.00000	原动机 P/N	Y2-200L2-2
原动机 S/N	727034-1				
风向/风速		日期		11.08.30	
测量项目	代号	时 分	时 分	时 分	备注
大气压力, Pa (a)	P <sub>b</sub>	101000.00			1.压缩机额定转速 n = 2929rpm
环境温度, °C	t <sub>0</sub>	28.0			
相对湿度, %	φ	50%			
喷嘴直径, mm	d	34.9			
压缩机一级吸气温度, °C	t <sub>e1</sub>	30.0			
压缩机一级吸气压力, Pa (a)	P <sub>e1</sub>	101000.00			
压缩机机头排气压力, Mpa (g)	P <sub>d</sub>	0.800			
压缩机机头排气温度, °C	t <sub>d</sub>	78.0			
喷嘴压差, Pa	Δp	6300.0			
喷嘴上游气体温度, °C	t <sub>1</sub>	27.0			
压缩机转速, rpm	N <sub>R</sub>	2913			
喷嘴系数	c	0.993			
冷却水进水温度, °C	t <sub>w1</sub>				
油冷却器冷却水流量, L/min	Q <sub>w</sub>				
轴功率, kW	W <sub>R</sub>				
测试工况容积流量, m <sup>3</sup> /min	Q <sub>0</sub>	5.968649135	#DIV/0!	#DIV/0!	#DIV/0!
测试工况容积流量, CFM	CFM <sub>0</sub>	210.7810536	#DIV/0!	#DIV/0!	#DIV/0!
冷凝液的总质量流量, kg/min	q <sub>mcd</sub>				
冷凝水的容积流量, m <sup>3</sup> /min	q <sub>vd</sub>	0	#DIV/0!	#DIV/0!	#DIV/0!
标准工况容积流量, m <sup>3</sup> /min	Q <sub>N</sub>	5.843494034	#DIV/0!	#DIV/0!	#DIV/0!
标准工况容积流量, CFM	CFM <sub>N</sub>	206.3612388	#DIV/0!	#DIV/0!	#DIV/0!

备注: 1PSI=0.0068948MPa  
1atm=0.10133MPa

90070301 RevA

测试: 黄伟  
计算: 吴雪峰  
审核:

# QUALITY CONTROL & SERVICE

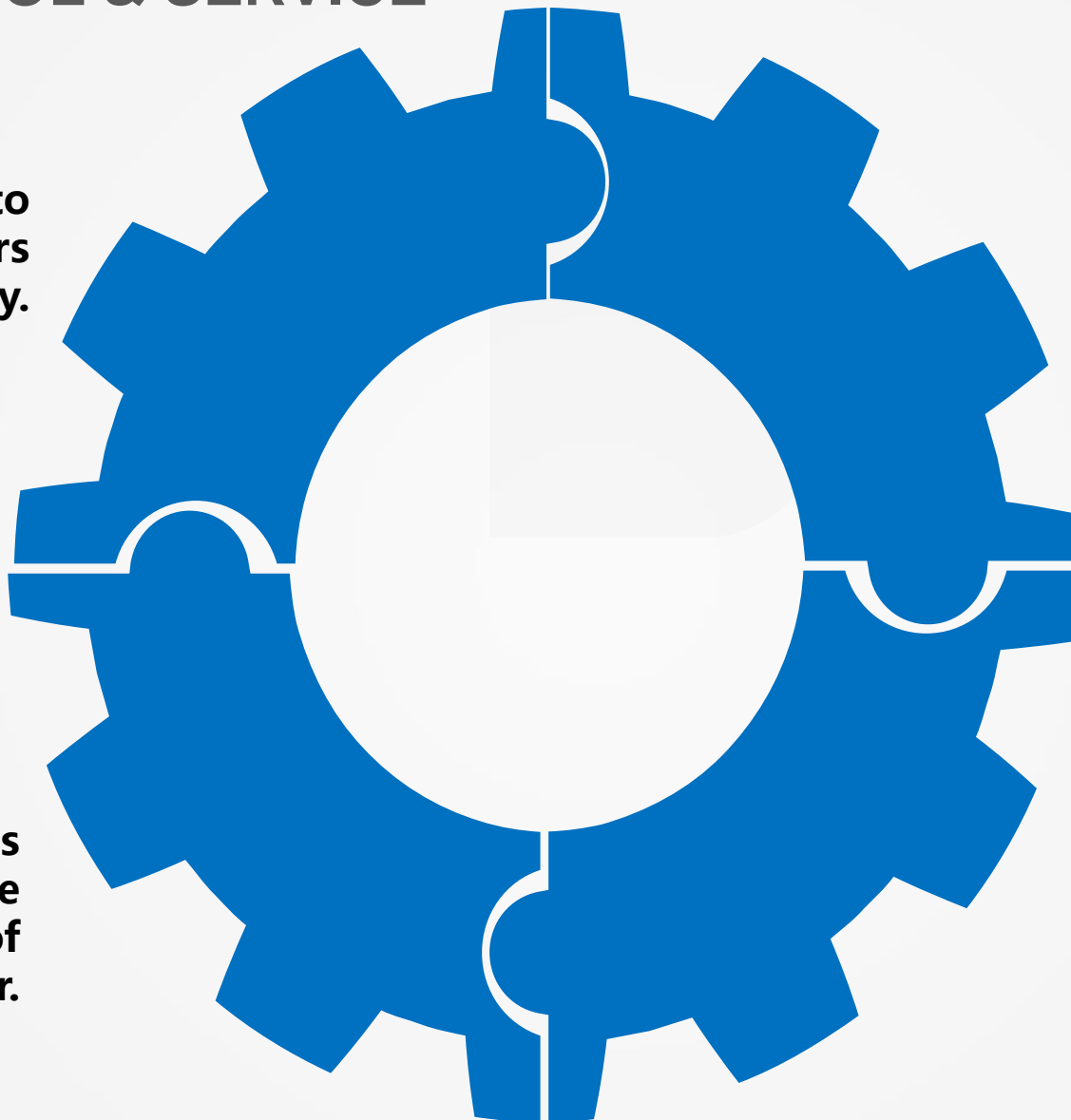


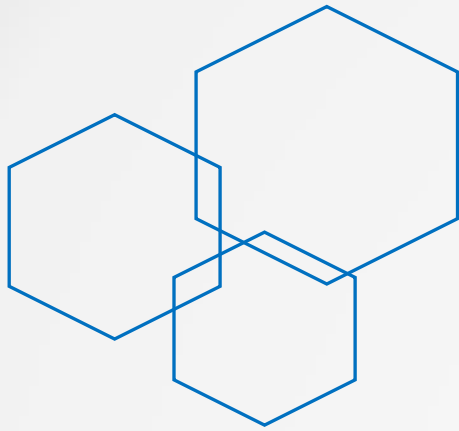
**Each compressor has to be tested at least 2 hours before delivery.**

**We use ERP system to realize the precise management.**

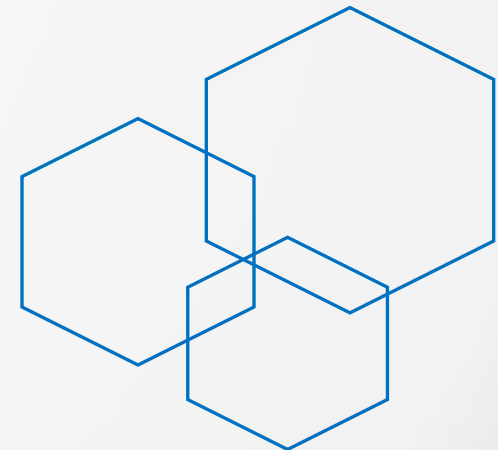
**We can track all parts used as long as we have serial no. of compressor.**

**We provide professional and fast after service, we solve the problem firstly, then track the reason.**





# 04 Products & Service



# Products——Oil Free Scroll Compressor XA Series



Power:3.7KW-30KW  
Capacity:0.3 m<sup>3</sup>/min-3.5 m<sup>3</sup>/min  
Pressure:7/8/10BAR  
Airend: Japanese Anest Iwata

# Products——Oil Free Screw Compressor G Series



Power:37KW~ 280KW  
Capacity:5.5 m<sup>3</sup>/min-48.5 m<sup>3</sup>/min  
Pressure:7/8/10BAR  
Airend:Germany GHH-RAND

# Products——Oil Injected PM Series



Power:22KW~ 75KW  
Capacity:3.2 m<sup>3</sup>/min-13.0m<sup>3</sup>/min  
Pressure:7/8/10BAR

# Products——Oil Injected PM Series



Power:7.5KW~ 15KW  
Capacity:1.0 m<sup>3</sup>/min-2.4m<sup>3</sup>/min  
Pressure:7/8/10BAR

# Products——Oil Injected EPM Series



Power:18.5KW~ 110KW

Capacity:3.0m<sup>3</sup>/min-24.0m<sup>3</sup>/min

Pressure:7/8/10BAR

# Products——Oil Injected H Series



Power:90KW~ 315KW  
Capacity:21 m<sup>3</sup>/min-68m<sup>3</sup>/min  
Pressure:7/8/10/12.5BAR

# Products——Oil Injected LBPM Series



Power:37KW~ 185KW  
Capacity:12 m<sup>3</sup>/min-47.4 m<sup>3</sup>/min  
Pressure:1.5~5 BAR

# Products——Oil Injected M Series



Power:5.5KW~ 75KW  
Capacity:0.6m<sup>3</sup>/min-13.3 m<sup>3</sup>/min  
Pressure:7/8/10/12.5BAR

# Products——Oil Injected D Series



Power:7.5KW~ 75KW  
Capacity:1m<sup>3</sup>/min-13.3 m<sup>3</sup>/min  
Pressure:7/8/10

# Products——Oil Injected II Series

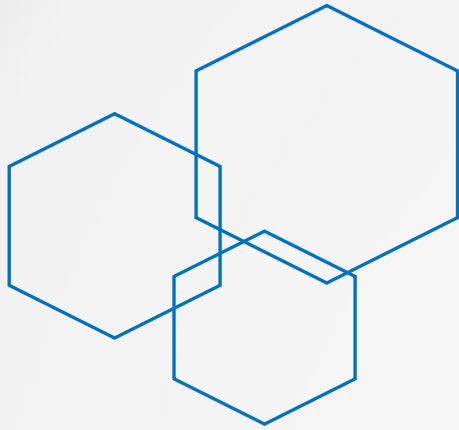


Power:90KW~ 400KW  
Capacity:12.5m<sup>3</sup>/min-74 m<sup>3</sup>/min  
Pressure:7/8/10/12.5BAR

# Products——Oil Injected DV Series

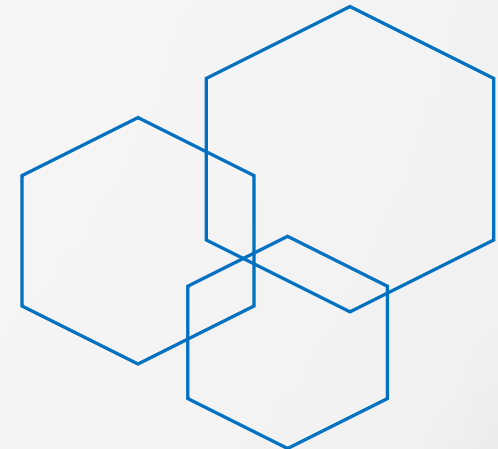


Power:22KW~ 280KW  
Capacity:3.2 m<sup>3</sup>/min-52.5m<sup>3</sup>/min  
Pressure:7/8/10/12.5



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# 05 Innovation



# Innovation——Oil Injected CPM Series



**13~16BAR**



**Laser Machine need  
13~16BAR AIR**

Power:7.5KW~ 15KW  
Capacity:1.0 m<sup>3</sup>/min-2.4m<sup>3</sup>/min  
Pressure:7/8/10/13/15/16BAR

# Innovation——Oil Injected EPM+ Series

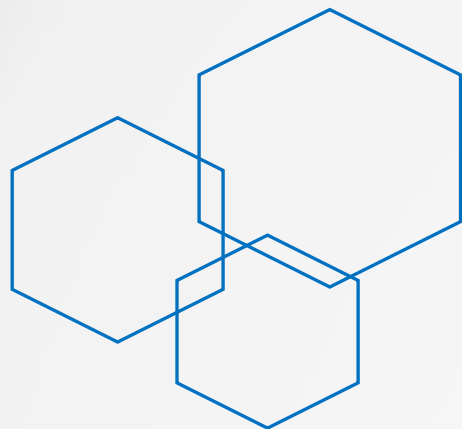


Power:90KW~ 220KW  
Capacity:20m<sup>3</sup>/min-50m<sup>3</sup>/min  
Pressure:7/8/10/12.5BAR

# Innovation——Industrial 4.0

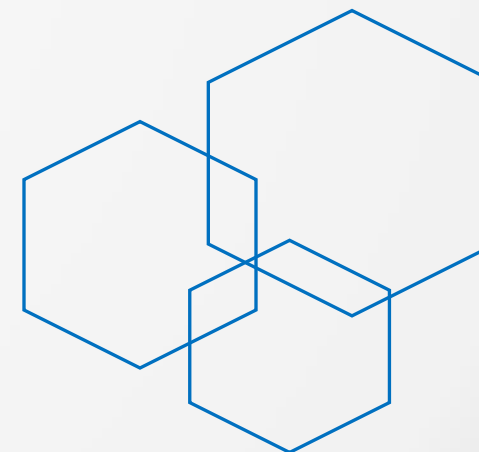


Industrial 4.0 Remote Monitoring, Convenient for Service

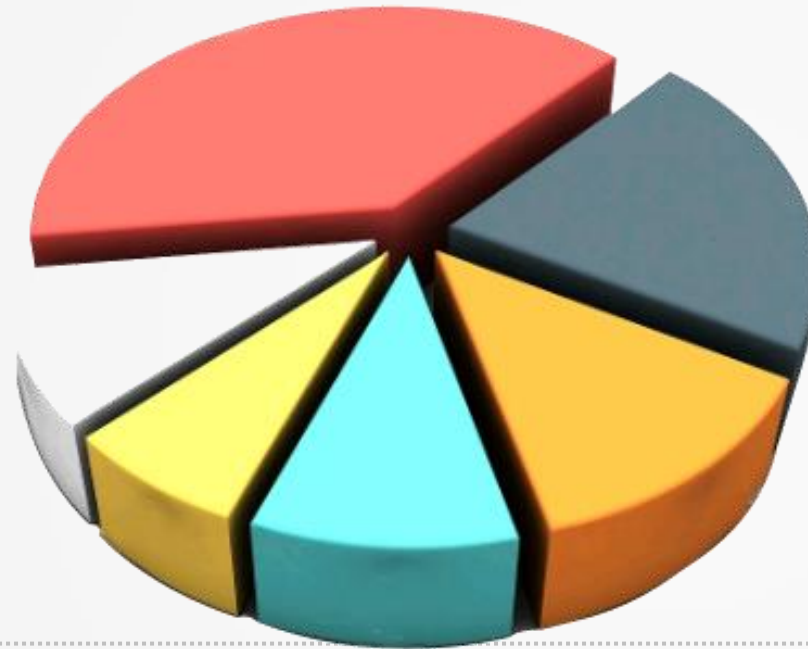


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# 06 Market



# Marketing Share



- Europe:30%
- The America:25%
- Asia:15%
- M.E&Africa:13%
- Oceania:10%
- Others:7%

At present, our products have been exported more than 55 main countries around the world, and have 32 countries with distributors covering Asia, Europe, America, Africa, Oceania. Depending on our high quality products, we have established long-term good relationship with our partner.

We manufacture around 7000Units screw compressor each year, and around 30% is for oversea market.

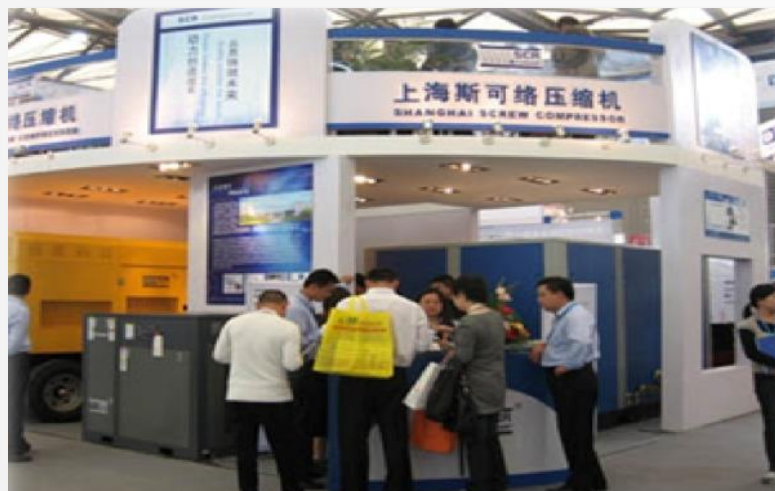
# DOMESTIC EXHIBITION



Shanghai



Beijing



Shenzhen



Shengyang

# OVERSEA EXHIBITION



Singapore



Thailand

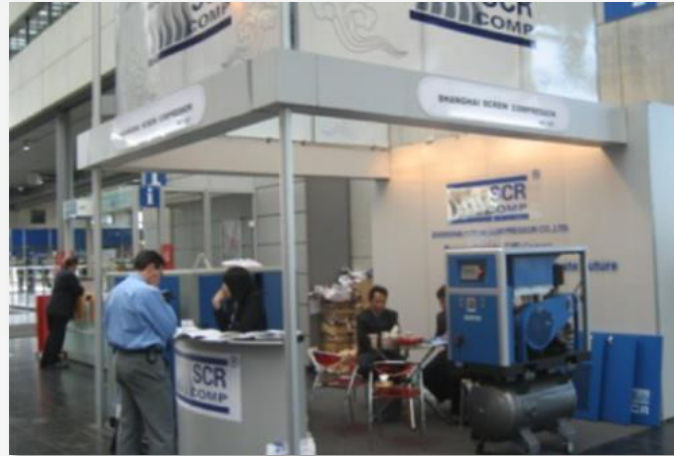


Malaysia



Indonesia

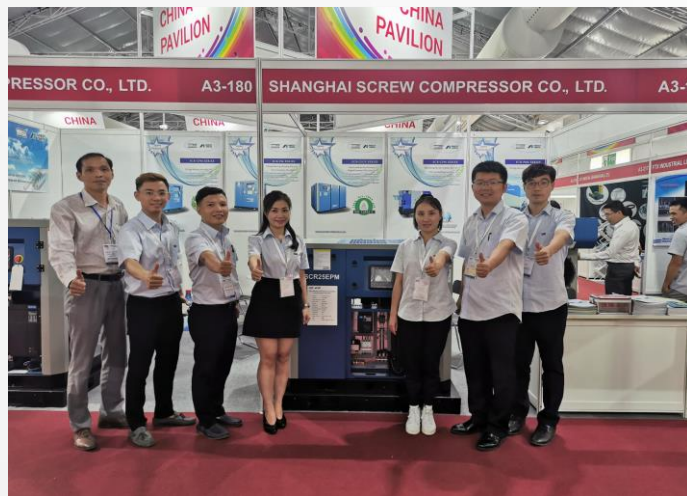
# OVERSEA EXHIBITION



Vietnam



Australia

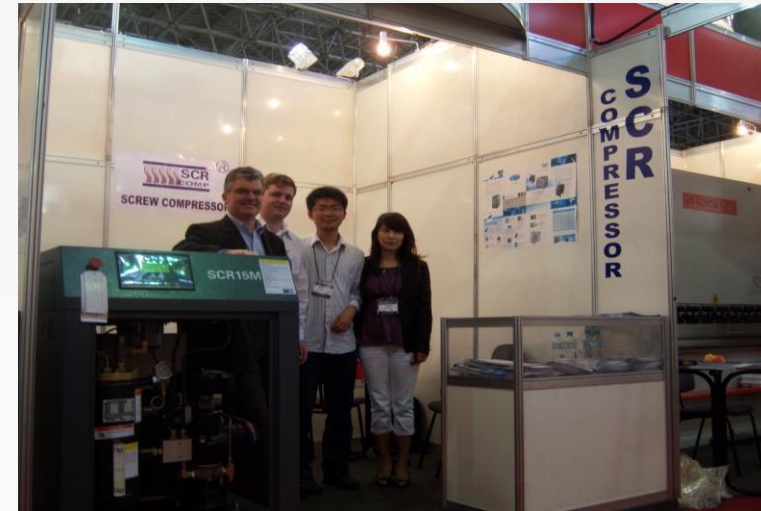


Vietnam



Russia

# OVERSEA EXHIBITION



Brazil

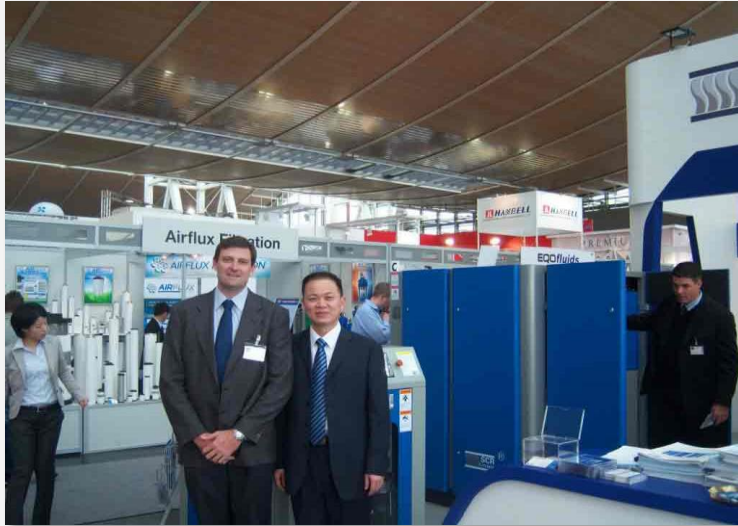


Bangladesh



UK

# HANNOVER MESS



2011 Germany Hannover



2013 Germany Hannover

2015 Germany Hannover

2017 Germany Hannover

# REFERENCE CUSTOMER



Textile Industry



Pharmacy Industry



Food Industry



Tobacco Industry

# REFERENCE CUSTOMER



Steel Industry



Mining Industry



Silicon Industry



Paper Industry

# REFERENCE CUSTOMER



Car Industry



Power Station Industry



Painting Industry



Biology Industry

# WORLD REFERENCE CUSTOMER



**Bangladesh Textile Industry**



**Bangladesh Textile Industry**



**Uzebiestan Railway Station**



**South Africa Paper Industry**

# WORLD REFERENCE CUSTOMER



South Africa Gold Mining Company



South Africa Mccain Food



Spain Garment Company-Zara

UK Precise Electronic Industry

# WORLD REFERENCE CUSTOMER



**Australia Sand Blasting Industry**

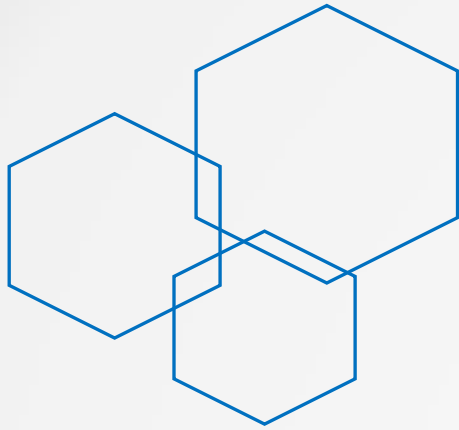


**Spain Metal Processing Company**

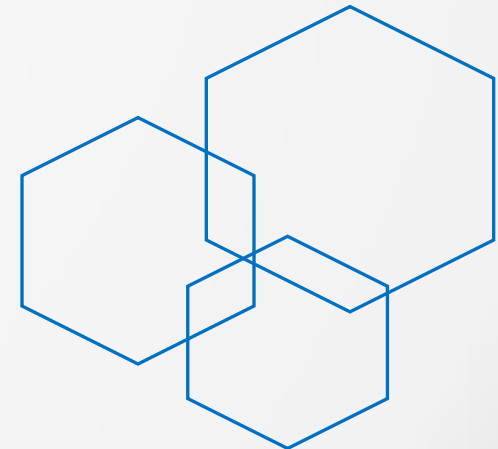
**Spain Biology Company**



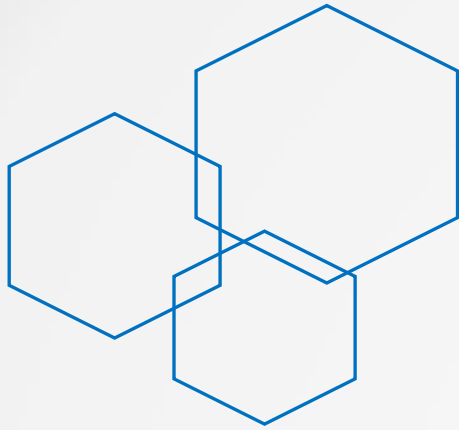
**Malaysia Sand Blasting Industry**



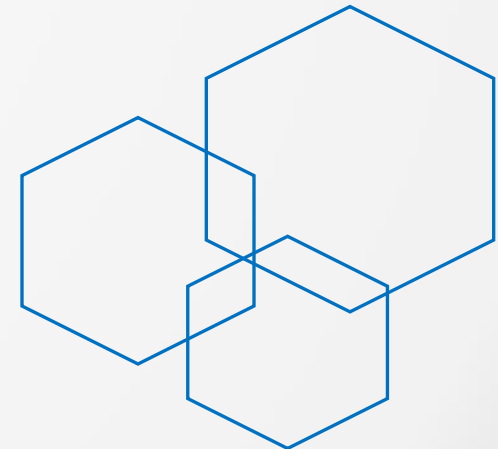
# 07 Partner In the world

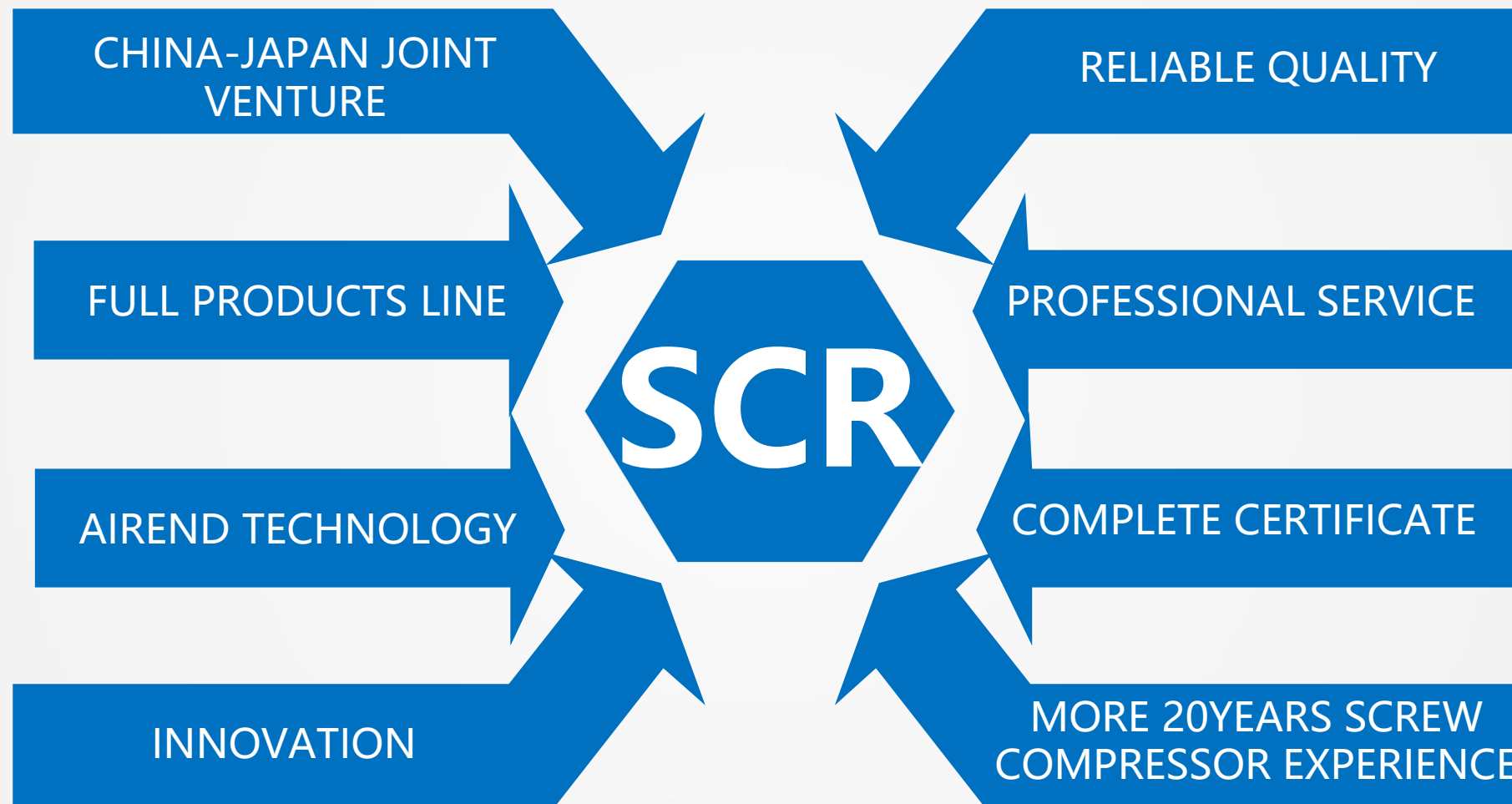






# 08 Why choose SCR







THANK YOU