SMC®

SMC PHU MY STEEL PROCESSING CO., LTD

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ISOCERT ISO 14001:2015 ISOCERT ISO 9001:2015 ISOCERT ISO 45001:2018

SMC PHU MY COIL CENTER

SMC 富美钢铁加工中心

SMC Phu My Steel Processing Co., Ltd is a member unit of SMC Group, with over 35 years of experience in the field of trading, processing and manufacturing iron and steel of all kinds.

Having modern equipment system and scientific management methods according to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, We are specialized in manufacturing and trading products that are machined and processed from steel with high precision, to create auxiliary products for the construction, transportation, electricity, electronics, refrigeration and household goods industries...

With a capacity of 200,000 tons/year and the spirit of continuous improvement and perfection, aiming to provide customers with the highest products and services quality, SMC Phu My Steel Processing Co., Ltd is always a reliable and sustainable partner in the present and in the future of our customers.

SMC Phu My Steel Processing Co., Ltd 是SMC系统的成员单位，在各类钢铁贸易、加工和制造领域拥有超过30年的经验。

凭借符合 ISO 9001:2015、ISO 14001:2015、ISO 45001:2018 的现代化设备系统和科学管理方法，我们专业从事高精度钢材的加工、制造的生产和贸易，为创造服务于建筑、交通、电力、电子、制冷和家居用品等行业的辅助产品。

SMC Phu My Steel Processing Co., Ltd 以 200,000 吨/年的产能及不断改进和完善的精神，旨在为客户提供最好的产品和服务，在现在和未来始终是可靠和可持续的合作伙伴。

INTRODUCTION
简介

SPECIFICATIONS
规格

Slitting Machine
分条机

Specifications 技术参数	Output 成品
Material 材料	PO, CR, GI, GL, PP, EGI, ES
Thickness (mm) 厚度	0.25 ÷ 3.2
Width (mm) 宽度	24 ÷ 1350
Width tolerance (mm) 宽度公差	+/- 0.2
Weight (tons) 重量(吨)	Max 20
Inner Diameter (mm) 内径	508, 610
Outer Diameter (mm) 外径	Max 1800

Shearing Machine
剪板机

Specifications 技术参数		Output 成品
Material 材料		PO, CR, GI, GL, PP, EGI
Width (mm) 宽度	Thickness/ 厚度: 0.3 ÷ 3.2	200 ÷ 1400
	Thickness/ 厚度: 3.2 ÷ 6.0	150 ÷ 800
Sheet Length 长度	Thickness/ 厚度: 0.3 ÷ 3.2	Max 4000
	Thickness/ 厚度: 3.2 ÷ 6.0	Max 6000
Length tolerance 长度公差	Thickness/ 厚度: 3.2 ÷ 6.0	+/-0.5
Weight (tons) 重量(吨)		Max 15
Inner Diameter (mm) 内径		508,610
Outer Diameter (mm) 外径		Max 1800

STANDARD / 附 件

Pickled and Oiled Steel/ 酸洗钢 - JIS G3131, G3101, G3113, G3134

Steel Grade / 钢的牌号	Tensile Strenght 抗拉强度 N/mm² (Min)	Elongation % (Min)/ 伸长 %(Min)					
		t<1.6	1.6 ≤ t <2.0	2.0 ≤ t <2.5	2.5 ≤ t <3.2	3.2 ≤ t <4.0	t ≥ 4.0
SPHC	270	27	29	29	29	31	31
SS400	400	21	21	21	21	21	17
SAPH440	440	-	29	30	32	33	34
SPFH 590	590	-	-	22	23	24	24

Cold Rolled Steel/ 冷轧钢 JIS G3141

Steel Grade / 钢的牌号	Tensile Strenght 抗拉强度 N/mm² (Min)	Elongation % (Min)/ 伸长 %(Min)				
		0.30 ≤ t< 0.40	0.40 ≤ t< 0.60	0.60 ≤ t< 1.00	1.00 ≤ t< 1.60	1.60 ≤ t< 2.50
SPCC	270	32	34	36	37	38
SPCD	270	33	36	38	39	40
SPCE	270	35	38	40	41	42

Hot - Dip Zinc - Coated Steel - AS 1397 - 镀锌钢

Steel Grade / 钢的牌号	Tensile Strenght 抗拉强度 N/mm² (Min)	Tensile Strenght N/mm² (Min) 抗拉强度(N/mm² (Min)	Elongation % (Min) / 伸长 %(Min)		Thickness (mm) 厚度 (mm)	Double-sided galvanized volume 双面镀锌量
			Lo= 50 mm	Lo= 80 mm		
G350	350	420	15	14	1.2 - 3.0	80g/m² - 350g/m²
G450	450	480	10	9		
G550	550	550	2	2		

Hot - Dip Zinc - Coated Steel - JIS G3302 - 镀锌钢

Steel Grade / 钢的牌号	Yield Strenght N/mm² (Min) 屈服强度 N/mm² (Min)	Tensile strength (N/mm2) 抗拉强度 (N/mm² (Min)	Elongation % (Min)/ 伸长 %(Min)				Double-sided galvanized volume 双面镀锌量
			0.6 ≤ t <1.0	1.0 ≤ t < 1.6	1.6 ≤ t < 2.5	2.5 ≤ t < 3.2	
SGCC	(205)b	(270min.)b	-	-	-	-	
SGC340	245	340	20	20	20	20	80g/m²
SGC440	335	440	18	18	18	18	- 350g/m²
SGC490	365	490	16	16	16	16	

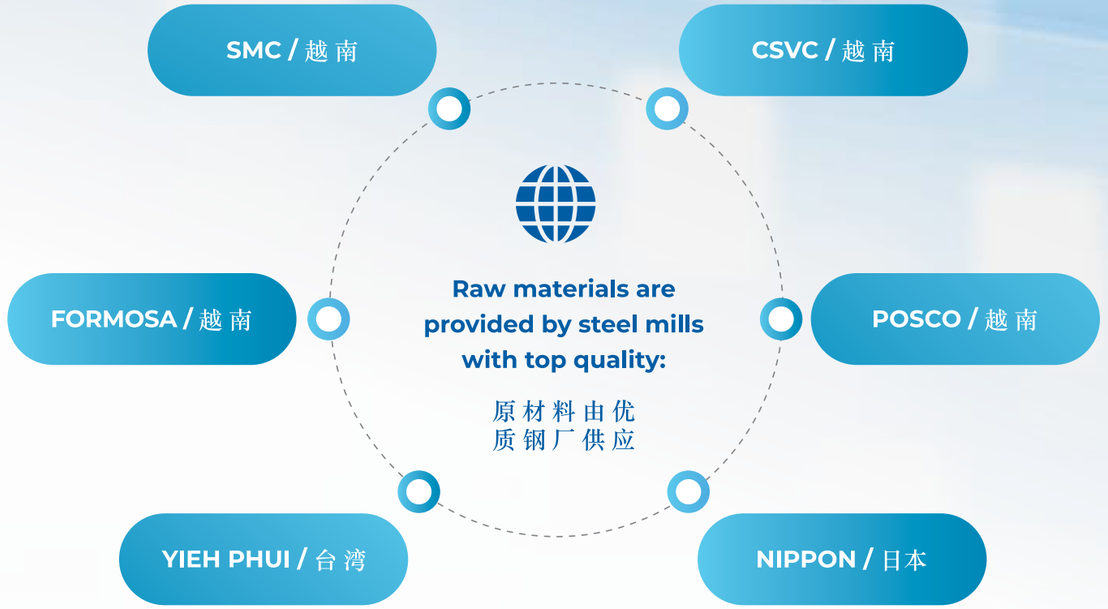
Electro Galvanized Steel - JIS G3313 - 电镀锌钢

Steel Grade / 钢的牌号	Tensile Strenght 抗拉强度 N/mm² (Min)	Elongation % (Min)/ 伸长 %(Min)					
		0.25 - 0.4	0.4 - 0.6	0.6 - 1.0	1.0 - 1.6	1.6 - 2.5	> 2.5
SECC	270	32	34	36	37	38	39
SECD	270	34	36	38	39	40	41
SECE	270	36	38	40	41	42	43

Electrical Steel - 电工钢 JIS C2552

Steel Grade / 钢的牌号	Thickness /厚度 (mm)	Density (kg/dm³) 重量密度	Max Iron loss (W/kg) 最大磁损耗	Flux Density (T) 電通量
35A440	0.35	7.7	4.4	1.64
50A800	0.5	7.8	8	1.68
50A1000		7.85	10	1.69
50A1300		7.85	13	1.69
65A800	0.65	7.8	8	1.7
65A1000		7.8	10	1.68
65A1300		7.85	13	1.69

MATERIAL / 材 料



Variety Of Products/ 产品丰富多样

- **Hot rolled steel** 热轧钢
- **Hot Rolled Pickled and Oiled Steel** 热轧酸洗涂油钢
- **Cold Rolled Steel** 冷轧钢
- **Hot - Dip Zinc - Coated Steel** 镀锌钢
- **Electro Galvanized Steel** 电镀钢
- **PPGI - PPGL - PCM Steel** 彩色涂层钢
- **Stainless Steel** 不锈钢
- **Electrical Steel** 电工钢/硅钢/矽刚

MAGNETIC PROPERTIES
磁性能

Iron Loss and Magnetic Flux Density for Non-Oriented Electrical Steel in Coil
无取向电工钢卷铁损和磁通密度

JIS C2552 Classified Symbol 分类符号	Thickness/ 厚度 (mm)	Denity/ 密度 kg/dm³	Iron loss/ 铁损 W/kg (max.)	Magnetic flux density T 磁通密度 (min.)
			$W_{(15/50)}$	B_{50}
-	Min 0.27	-	-	-
-		7.75	5.5	1.64
35A440	0.35	7.70	4.4	1.64
35A300		7.65	3.0	1.60
50A1300		7.85	13.0	1.69
50A1000		7.85	10.0	1.69
50A800		7.75	8.0	1.68
50A700		7.75	7.0	1.68
50A600	0.5	7.75	6.0	1.65
-		7.70	4.4	1.62
50A470		7.70	4.7	1.62
50A400		7.65	4.0	1.61

Iron Loss and Magnetic Flux Density for Non-Oriented Electrical Steel in Coil
无取向电工钢卷铁损和磁通密度

JIS C2552 Classified Symbol 分类符号	Thickness/ 厚度 (mm)	Denity/ 密度 kg/dm³	Iron loss/ 铁损 W/kg (max.)	Magnetic flux density T 磁通密度 (min.)
			$W_{(15/50)}$	B_{50}
65A1300		7.75	13.0	1.69
65A1000		7.75	10.0	1.69
65A800	0.65	7.75	8.0	1.66
65A700		7.75	7.0	1.65
65A600		7.75	6.0	1.65
-	Max 0.75	-	-	-

COMPRESSOR
变频电机

AMATUER ELECTRIC MOTOR
和压缩机

Remark/ 注释:

(1) The density is used for calculation of cross section area of test piece.
密度用于计算式样件的横截面积

(2) Iron loss W_(15/50) means the iron loss when the frequency is 50Hz and the maximum magnetic flux density is 1.5T.
铁损W_(15/50)是指频率50Hz以及最大磁通密度为1.5T时的铁损

(3) Magnetic flux density B_50 means the magnetic flux density at a magnetic field stength of 5000 A/m.
磁通密度B_50是指磁场强度为5000A/m时的磁通密度

CLASSIFICATION OF QUALITY/
品质分类

Classification 类别	Common Specification 通用规范	Typical Application 典型应用
Low Grade 低级	*50A1300* *50A1000* *65A1300* *65A1000*	AC Motor, Small size rotating machines, audio transformers, ballast 交流电机、小型旋转电机、音频变压器、镇流器
Medium Grade 中级	*50A800* *50A700* *50A600* *65A800* *65A700* *65A600*	General used of AC motor, compressor motor, welding transformer. Ballast, small and medium size rotating machines 一般用于交流电机、压缩机电机、焊接变压器、镇流器、中小型旋转电机等
High Grade 高级	*35A550* *35A440* *35AV300* *50A470* *50A470H* *50A400*	Used of AC motor, compressor motor and transformer which need good iron loss and magnetic flux density 用于需要良好铁损和磁通密度的交流电机、压缩机电机和变压器。

MOTOR STATOR
电机铁芯

MOTOR STATOR
电机铁芯

TRANSFORMER CORE:
E.I (SHAPE) LAMINATION
EI用于变压机

TRANSFORMER CORE:
E.I (SHAPE) LAMINATION
EI用于变压机

QUALITY CONTROL
质量控制

Quality is strictly controlled at every stage to ensure products are delivered to customers with the highest standards and accuracy.

质量在每个阶段都受到严格控制，以确保以最高标准和准确性将产品交付给客户。

QC checks the input coil
QC检查输入材料

QC checks the surface
QC检查表面

QC checks the width & thickness
QC检查宽度和厚度

QC checks the thickness during sheet cutting
QC在板材切割过程中的检查厚度

QC checks the width of the finished skelp during machining
QC在加工过程检查成品的宽度

QC checks the size during the cutting process
QC在铁板切割过程中检查尺寸

PARTNER
伙伴

CSVC · CHINASTEEL · SAMSUNG C&T · POSCO VIETNAM · FHS · TÔN NAM KIM · TON DONG A
BMB & A JSC. · Pebsteel · DAI DUNG · Kirby BUILDING SYSTEMS · ATAD · ZAMIL STEEL · SEICO-JSC · BLUESCOPE STEEL
CSPS · Xinadda · THACO · First Slide · SANAKY
NHƠN HÒA · KINGTEC · AQUA · LOCTEK

APPLICATION
应用

Refrigerator
冰箱

Purlin Z, C
檩条 Z, C

Gas stove
煤气灶

Washing machine
洗衣机

Television
电视机

Tool / Accesory cabinet
工具柜

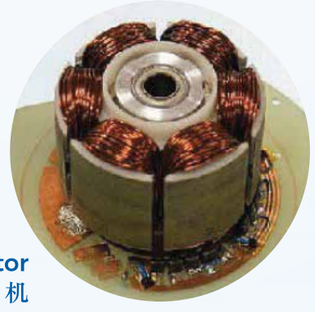
Lifting table
升降桌子

Scroll bar / Slider
滑轨

BBQ Oven
烧烤炉

Iron Box / Shelf
钢铁柜子

Heater
壁炉



Motor
电机