

<http://www.engyprint.cn>
<http://engytech.en.alibaba.com>

**WE ARE PROFESSIONAL IN MAKING PAD PRINTING
CLICHÉS AND THE RELATED CONSUMABLES !**

我们专注于移印钢板及移印材料制造！

**WE ARE THE LEADER IN DEVELOPING AND MAKING
METAL ETCHING EQUIPMENTS!**

我们是金属蚀刻设备研发和制造的领先者！

WE ARE YOUR BEST PARTNER IN CHINA!

我们是您在中国最好的合作伙伴！

ENG[®]
恒巨普印
ENGYPRI

- >>> 品质，源自专业与责任。
Quality is originated from professionalism and responsibility.
- >>> 合作，基于真诚与信用。
Good cooperation is based on sincerity and credibility.
- >>> 行动，所以进步； 态度，决定成就。
Action achieves progress, attitude decides success.

公司简介

ENG Y恒锐公司创立于1999年，公司总部位于广东省东莞市虎门镇，是一家集研发设计、生产加工、销售服务于一体的专业移印器材及精密金属蚀刻设备生产型企业。2007年公司在立足国内市场的基础上，面向海外市场，正式在香港注册成立“恒巨普印科技（香港）有限公司 ENG YPRINT TECH (HONGKONG) LIMITED” 服务于公司产品的海外销售。我们的产品主要服务于电子塑胶、数码设备、光电产品、电子键盘、玩具礼品、文体器材、汽车配件、广告标牌、SMT钢网以及各种金属零件蚀刻、烫金版蚀刻等等这些行业的产品移印加工部门及产品铭牌和金属零配件蚀刻加工部门；我们目前的生产和销售服务网络可以十分便捷的覆盖到国内珠三角和长三角两大制造业金三角地区，乃至全国（包括港、台）各大区域；同时我们设立了专门的海外营销部，为海外客户提供专业的在线咨询、采购及售后服务。

ENG Y恒锐公司经过多年对移印钢板制造工艺及金属

蚀刻技术的钻研，目前与诸多国际品牌的电子产品及手表眼镜等配件的OEM工厂建立了长期的移印制版及金属蚀刻技术合作关系，现已成为中国最大的移印钢板制造厂商及移印材料供应商之一，同时，由ENG Y恒锐公司自主研发制造的金属晒蚀系列设备以其高性能，高精度，高安全、高自动化及人性化等特点，迎合了各类金属蚀刻加工市场的需求，获得了合作伙伴的肯定和同行的美誉！了解并满足客户的每一个细节要求，与我们的合作伙伴共同培育和维持恒久稳定的客户网络，是ENG Y恒锐人一直坚持的经营理念。

在未来，ENG Y恒锐将与我们的合作伙伴一起携手研发、设计、甄选、制造，用我们专注的职业精神，宝贵的技术经验、专业的生产流程、严格的品质检验，以及诚信可靠的合作模式与您一起在激烈的市场竞争中，打造行业领先者的品牌地位！

COMPANY INTRODUCTION

Engyprint Tech Company Ltd. is a China-based professional manufactory. We are engaged in the production of pad printing clichés and all kinds of pad printing accessory. Besides, we are professional in designing and manufacturing the metal etching machines & UV exposing equipments for the customers.

With over 10 years of manufacturing and business experience, ENG Y company has grown to be one of the leaders in pad printing material and etching machine manufacturer in China.

Presently, ENG Y headquarter is located in China Dongguan city and our sales & service branch center is in Kunshan city, Jiangsu province. Our sales

network can service conveniently and efficiently all of our customers in China and overseas market. Our customers are all kinds of plastic & electronic factories, pad printing factories, advertising companies, and those who need to make their products by the pad printing or metal etching process, such as digital products, toys, gifts, computers, keyboards, golf balls, decorations, sign cards, etc.

Thank you for learning more about us and our products with this brochure, welcome you to visit our website at <http://www.engyprint.cn>.

Best wishes to our cooperation!

OUR GOAL

我们的目标

“我们正在，并将持之以恒地不断努力，力求以最具竞争力的成本，为全球客户生产更高品质的移印钢板、移印材料以及金属晒版蚀刻设备。”

We are and will continue to work hard with perseverance, to produce the highest quality pad printing clichés, pad printing consumables, and the equipments of exposing and metal etching machines with the lowest cost for all customers!



诚实 / 守信 / 勤奋
专注 / 创新 / 坚持

PRODUCT CONTENTS

产品目录

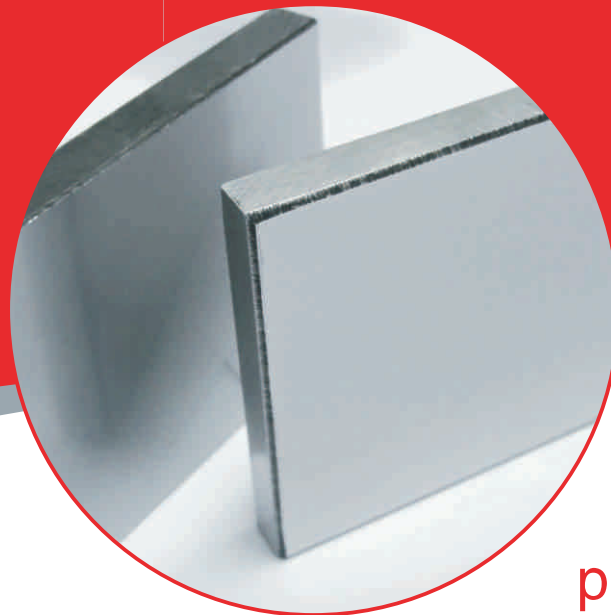
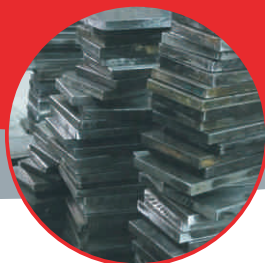
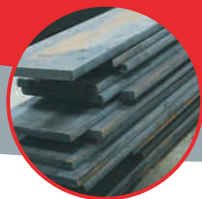
P / 07-10 >>	移印钢板 厚钢板 薄钢片 旧钢板翻磨	Pad Printing Clichés Thick Clichés Thin Clichés Used Cliché Regrinding Service
P / 11-14 >>	移印辅助材料 油盅 移印刀环及刀片 胶头模具及胶头 移印胶浆、矽油	Pad Printing Suppliers Ink Cups Doctor Rings & Blades Pad Moulds & Pads Pad Silicone Rubber & Silicone Oil
P / 15-16 >>	感光显影及蚀刻耗材 感光浆 显影液 补版液 脱膜粉 金属蚀刻药粉	Plate Making Materials Cliché Photosensitive Coating Photo Developer Liquid For Touch-up Pin Holes Coating Cleaning Powder Metal Etching Chemical Material
P / 17-20 >>	设备制造 自动上浆设备 UV 晒版设备 金属蚀刻设备	ENGYPRIINT Machines Manufacture Auto Coating Machines UV Exposure Unit Metal Etching Equipments
P / 21-22 >>	移印胶头及模具型号图	Models and Drawing of Pads and Moulds

PAD PRINTING CLICHÉS MANUFACTURE

移印钢板制造

优质的钢板母材, 精湛的热处理工艺, 精确的机加工及研磨工序, 对生产一块高品质的移印钢板至关重要! 我们做到了!

GOOD QUALITY STEEL MATERIAL, PERFECT HEATTREATMENT, PRECISE MACHINING AND GRINDING PROCESS... ALL ARE ESSENTIAL TO MAKE A GOOD QUALITY CLICHÉ FOR PAD PRINTING! WE DID IT!



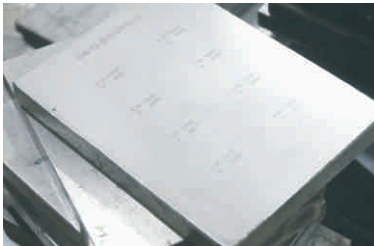
移印钢板材质对比 Clichés Steel Material Comparison Chart

Steel Type 钢材型号	GCr15	2510 (01,CrWMn)	SKD11 (9Cr12MoV)
Clich é Marks 钢板型号	HR	EN	D2
Rust Resistance Ability 抗锈能力	★★★	★★★★	★★★★★
Printing Life 耐刮性	√√	√√√√	√√√√√√

移印钢板生产技术参数 Clichés Production Parameters

Heattreatment Hardness 热处理硬度	HRC 63+/-1
Cliché Surface Finish Roughness 钢板表面光洁度	Black Surface ---- Ra0.1 μ m Bright Surface ---- Ra0.01 μ m Mirror Surface ---- Ra0.001 μ m
Cliché Surface Parallel 钢板表面平行度	For Open Type Pad Printers.....500:0.05mm For Cup Type Pad Printers.....500:0.005mm
Cliché Machining Thickness 钢板加工厚度	Common thickness: 9.8-10.2mm Special thickness: 8mm, 9mm, 12mm, 13mm, 15mm Other thickness can be customized.
Cliché Plates Common Size 常用尺寸	70x140mm, 75x100mm, 75x150mm, 75x200mm... 100x100mm, 100x150mm, 100x200mm, 100x215 mm, 100x250mm, ... 150x150mm, 150x300mm, 150x350mm... 200x200mm, 200x500mm, 200x550mm... Other size can be customized.
Cliché Machining Size 钢板加工尺寸	Any special size clichés can be made to order. 可以根据您的需要订做特殊规格的移印钢板。

Do not waste resource,
please reuse your used cliché plates!
旧移印钢板可回收翻磨, 重复使用, 降低成本, 更环保! >>



旧移印板 used plates



翻磨后的移印板 after regrinding

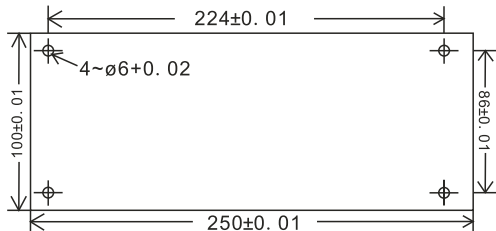
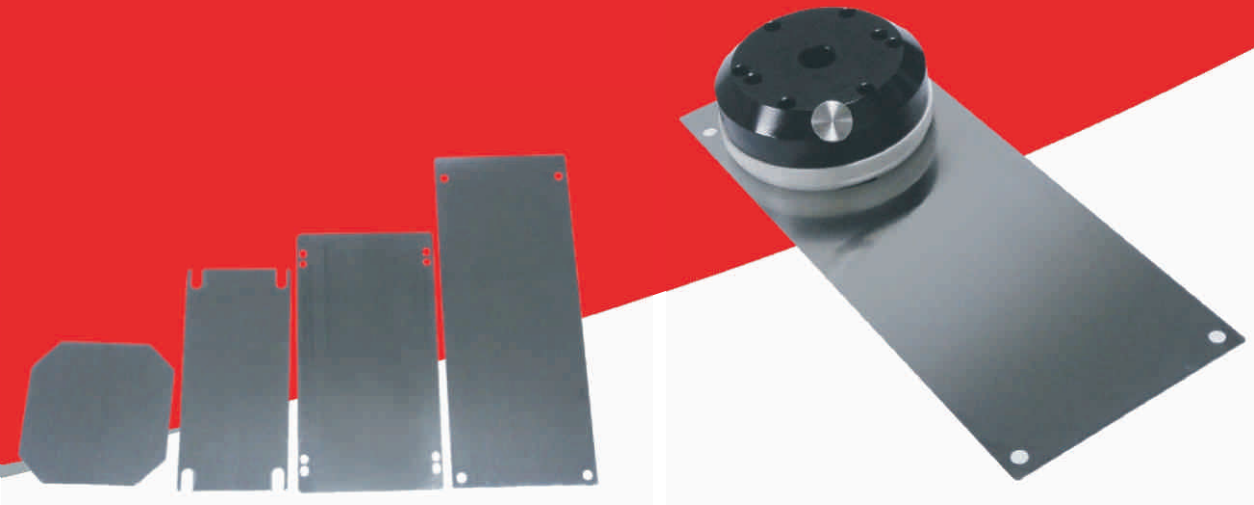
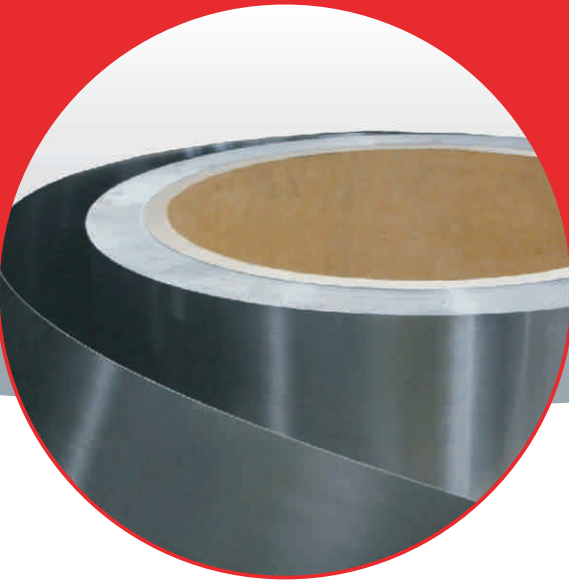
一块优质的移印钢板经过热处理后其表层0.3mm内硬度可以达到基本一致, 而我们通常蚀刻移印钢板的图案在0.02-0.04mm之间, 所以在首次使用后请不要丢弃, 可以由专业的生产商回收后进行表面打磨, 仍可以正常使用.

A good-quality cliché plate, should have stable heat treatment hardness within 0.3mm thickness of its surface, and we usually etched the image on the cliché plate for 0.02~0.04mm at one time, so please do not discard the cliché after first use, it can be reground by the professional manufacturers, and then it can be used again.

专业建议: 一般油钢移印钢板建议翻磨使用2-3次; 铬钢移印钢板则可以翻磨使用5次以上。

WE ADVICE: The common steel (such as the GCr15 or 2510# steel material) cliché plates can be reground and reuse 2 or 3 times, and the Chrome steel cliché plates (such as the D2), you can reuse 5 times or more.

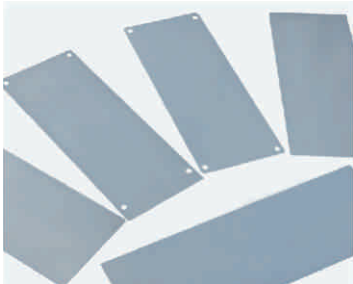
PAD PRINTING THIN CLICHÉS
MANUFACTURE
移印钢片制造



钢片材质对比&技术参数 Steel Material Comparison & Production Parameters

Material 钢片材质	Carbon steel 碳钢片	Stainless steel 不锈钢片
Thickness 钢片厚度	0.25mm 0.3mm 0.5mm	0.25mm
Hardness 钢片热处理硬度	HRC52+/-1	HRC52+/-1
Rust Resistance Ability 抗锈能力	★★★	★★★★★
Common Size 常用尺寸	100x200mm, 100x215mm, 100x216mm, 100x250mm, 100x260mm, 100x300mm, 100x350mm, 100x400mm, 120X250mm, 150x300mm ...	
Use for Printers 适用移印机	Apply to all kinds of various pad printers. Such as TAMPO, KENT, WUTUNG, WINON, CHUNGFOU, etc...	

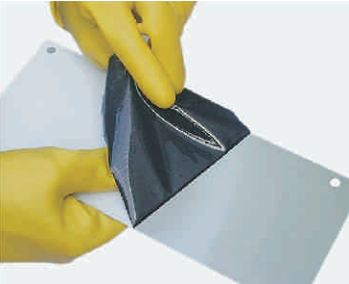
We can make the special size thin steel plates with holes or not according to your request!
我们可以按您的要求订做任何特殊规格及孔位的钢片。



未上浆钢片 Without Coated Thin Plates



已上浆钢片 Coated Thin Plates



INK CUPS, RINGS & DOCTOR BLADES MANUFACTURE

移印油墨(墨杯)\刮刀系列

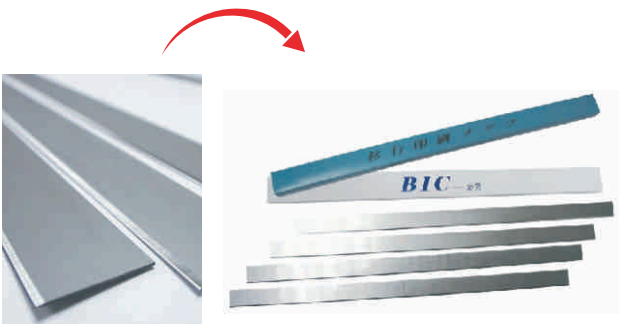
Doctor Blades and Soft Doctor Blades

移印刀片及移印软刀片

Doctor Blades

◆ 移印刀片

Size[mm]	Packing Spec
18x0.5x350mm	20pcs/box
18x0.5x400mm	10pcs/box
18x0.5x600mm	10pcs/box
18x0.5x360mm with 18 comparted lines	20pcs/box
18x0.5x360mm with 4 comparted lines	20pcs/box

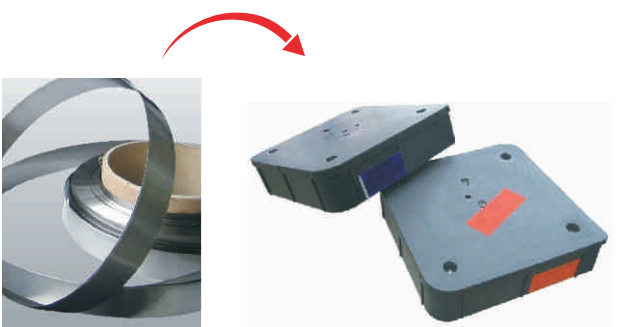


我们可以为您订做1.2M以内的任何长度刀片。
We can make any length in 1.2M according to your order.

Soft Doctor Blades

◆ 移印软刀片

Spec[mm]	Packing Spec
T=0.2mm / W=20mm	L=100M/roll
T=0.3mm / W=25mm	L=100M/roll
T=0.1mm / W=30mm	L=1M/pc



我们可以按您的要求剪切任何长度软刀片。
We can cut any length in 100M according to your order.

Ink Brush

◆ 移印油扫

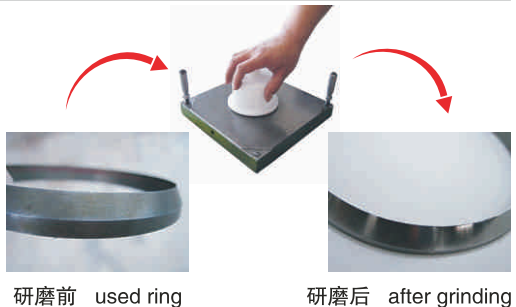
规格
Spec { Length (长度) =330mm
Width (宽度) =25mm
Thickness (厚度) =5mm



◆ Tips 技巧提示

对轻微磨损或较小缺口（缺口深度≤0.03mm）的旧环可以经过研磨，重复使用，降低成本，更环保！

When your ink cup has been used for a long time, the ring blade may has some abrasion or small gaps (gaps not over 0.03mm depth), you can regrind it through a special grinding plate, so that you can re-use it. This method will help you reduce your cost greatly and it also more environmental friendly.



The ink cups and rings for various brands of pad printers.
适用于各种品牌移印机的油墨及油墨刀环



The materials of ink cup body usually have metal and special plastic.
墨杯体分为金属和特殊塑料材质。



Carbide Rings / 硬质合金钢环



Ceramic Rings / 陶瓷环



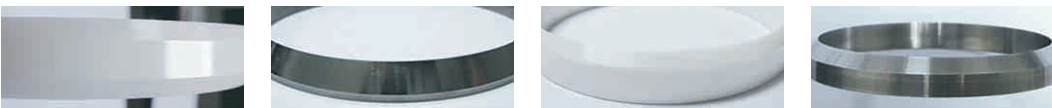
Sealed Rubber Rings / 密封胶环

The materials of rings usually have Ceramic & Carbide.
刮墨刀环分为氧化锆（陶瓷）和硬质合金钢材质。

Rings Common Size

◆ 油墨刀环常用规格

60/65/5.2[mm]	60/70/6.5[mm]	60/70/12[mm]	65/70/8[mm]	80/90/12[mm]
82/90/12[mm]	90/95/5.2[mm]	90/96/6[mm]	90/96/8[mm]	90/100/12[mm]
110/120/12[mm]	120/130/12[mm]	135/140/6[mm]	140/150/12[mm]	180/192/12[mm]



We can make any special spec ink cups and rings according to your order.
我们可以按您的需求订做任何特殊规格油墨及刀环。

PADS & PAD MOULDS SILICONE RUBBER & SILICONE OIL 移印胶头，胶头模具，移印胶浆、矽油



胶头模具
 Pad Moulds

Pads & Pad Moulds
 移印胶头&移印胶头模具

移印胶浆及矽油 Silicone Rubber & Silicone Oil

Silicone Rubber 移印胶浆

Silicone Model	Color	Catalyst B%	Spec
EN-SC3266 A+B#	RED (红)	B=10%	5kg/can 10kg/can 25kg/can
EN-SC3274 A+B #	RED (红)	B=2%	
EN-SC3022 A+B#	YELLOW (黄)	B=2.5-3%	
EN-SC3025 A+B#	YELLOW (黄)	B=2.5-3%	
EN-SC31200 A+B#	WHITE (白)	B=2.5-3%	
EN-SC31524 A+B#	WHITE (白)	B=2.5-3%	

Anlistatig Silicone Rubber 抗静电移印胶浆

Silicone Model	Color	Catalyst B%	Spec
Anlistatig Silicone EN-SC20A A+B+C#	GREEN (绿) TRANSPARENT (透明)	B10%+C2%	5kg/can 10kg/can
Anlistatig Silicone EN-SC30A A+B#	BLUE (蓝)	B=10%	5kg/can

Silicone Oil 矽油

Silicone Oil Model	Color	Oil%	Spec
1101#	TRANSPARENT (透明)	Oil=5-40%	10kg/can 25kg/can



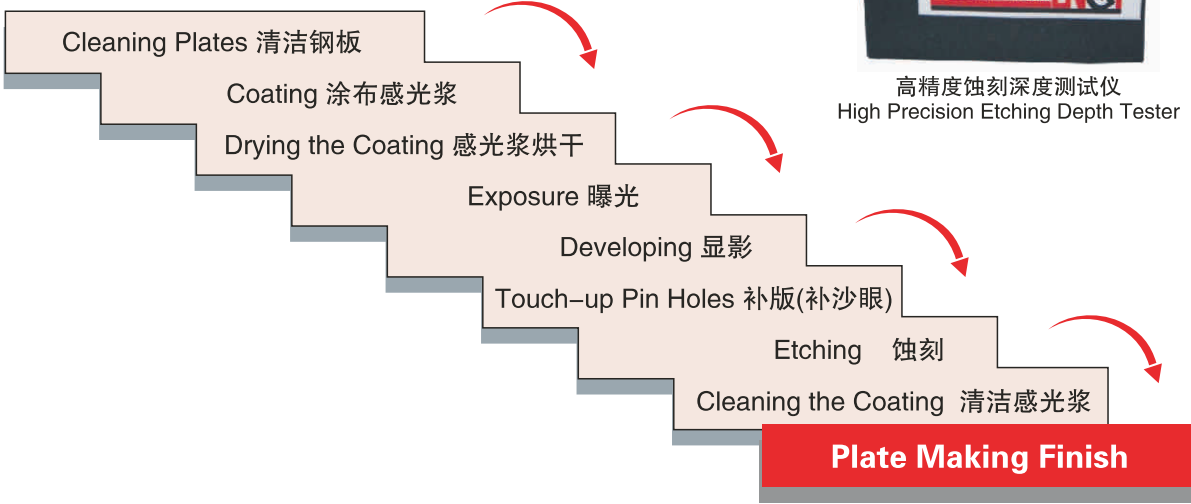
移印胶头
 Transfer Pads



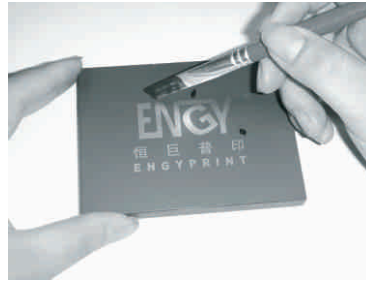
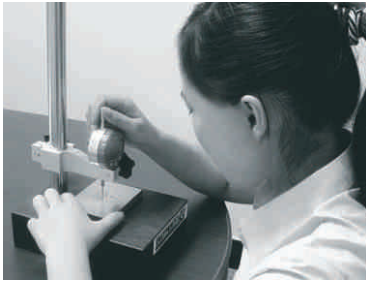
移印胶浆
 Silicone Rubber

PAD PRINTING PLATE-MAKING CONSUMABLES 移印钢板制版材料

How to make the cliché plate for pad printing 移印钢版制作流程（流程示意图）



高精度蚀刻深度测试仪
High Precision Etching Depth Tester



Pad printing plate–making consumables 移印钢板制版材料



【 FUJI Green Can Packing Series 】 富士绿罐系列感光浆、显影水、蓝药水
 FUJI FMR-40 Photosensitive Emulsion Coating 富士FMR-40快干型感光浆 ----- 2L/can
 FUJI FMR Developer 富士绿罐显影水 ----- 2L/can
 FUJI FMR Blue Dyed Developer 富士绿罐蓝药水 ----- 2L/can



【 FUJI White Can Packing Series 】 富士白罐系列感光浆、显影水、蓝药水
 FUJI Photosensitive Emulsion Coating 富士白罐感光浆 ----- 2L/can
 FUJI Developer 富士白罐显影水 ----- 2L/can
 FUJI Blue Dyed Developer 富士白罐蓝药水 ----- 2L/can



Kodak Coating & Developer Series
 柯达系列感光浆、显影水、补版液



Corrosion Resistance Photosensitive Ink (Blue Emulsion)
 抗蚀感光油墨(蓝胶) ----- 5kg/can



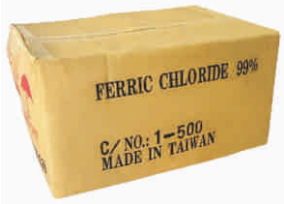
Developing Powder
 显影粉 ----- 500g/bottle



Coating Cleaning Powder
 脱膜粉..... 1000g/bottle



Acid Etching Liquid (apply handwork etching) 手工操作用蚀刻药水
 Steel Etching Liquid 油钢蚀刻药水 ----- 1L/bottle
 Chrome Steel Etching Liquid 铬钢蚀刻药水 ----- 0.5L/bottle



Etching Chemical Powder
 机用蚀刻粉.....40kg/box

PLATE MAKING EQUIPMENTS
晒印制版设备



Model: EN-SK/SJ200



Model: EN-SK/SJ400

COATING MACHINE
上浆设备

Brand	Machine Model	Machine Name	Power Rating	Max.Work Spec[mm]	Machine Size[mm]
ENGY	EN-SJ/200	Centrifugal Table Style Coating Machine 离心式钢板上浆机	220V/45W	200x200	W400xT400xH255
	EN-SJ/400	Automatic Dipping Style Coating Machine 浸入式自动上浆机	220V/250W	300x400	W850xT420xH1350



OVEN
钢板烘干设备

Brand	Machine Name	Machine Model	Power Rating	Max.Work Spec[mm]	Machine Size[mm]	Temperature Setting
	Automatic Electric Oven 电烤箱	EN-KX/1010	220v/0.8~1.6kw	350X350X350	350X350X350	+5℃~300℃
		EN-KX/1011	220v/0.8~1.6kw	450X450X350	450X450X350	
		EN-KX/1012	220v/1.6~2.4kw	550X550X450	550X550X450	
		EN-KX/1013	220v/23kw	750X600X500	750X600X500	
		EN-KX/1014	380v/3~4.8kw	1000X800X800	1000X800X800	

EXPOSURE UNIT
晒版机



【 EN-BG/MINI320 】

Desktop Cliché Exposure Unit
◆ 便携式钢板晒版机
Apply to the cliché plates exposure.
适用于钢板及钢片曝光。

Gross Power Rating 电源功率	220V/60W
UV lamp 光源	PHILIP UV lamp X 4
Exposing time 曝光时间	40~60s
Maximum exposure size 最大曝光尺寸	150mm x 350mm
Machine Size 机器尺寸	L600mm x W250mm x H170mm
Other sizes can be made to order. 欢迎订做其他规格。	



【 EN-BG/2000 】

Single-sided Automatic Vacuum Exposure Unit
◆ 单面自动抽真空晒版机
Apply to the screen plate & cliché plates exposure.
适用于网版、钢板及钢片曝光。

Gross Power Rating 电源功率	220V/2KW
UV lamp 光源	UV light
Maximum exposure size 最大曝光尺寸	900mm x 1200mm
Machine Size 机器尺寸	L1260mm x W970mm x H940mm
Other size can be made to order. 欢迎订做其他规格。	

PLATE MAKING EQUIPMENTS
移印制版设备



CLICHÉ PLATE-MAKING
ETCHING MACHINE
移印制版蚀刻机

Specially design of up spraying and apply to the clichés plate-making for pad printing.

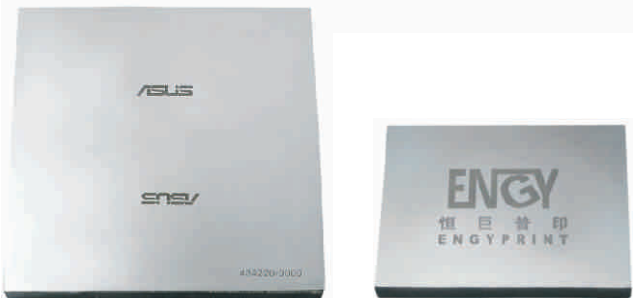
- ◆ 专业的上喷式设计，适用于移印钢版及钢片的蚀刻。

With the time-controlled and thermostat system, ensure accurate etching depth.

- ◆ 时间控制器及恒温装置确保了蚀刻深度的准确度。

The spray nozzles and the plate holder staggered swing make higher etching precision.

- ◆ 喷淋嘴及工件的交错摇摆，使蚀刻精度更高。



◆ 本机蚀刻精度 etching precision: +/-0.002mm~0.003mm

Brand	Machine Model	Machine Name	Power Rating	Max.Work Spec[mm]	Machine Size[mm]	Liquid Content
ENGY	EN-SK/6000	Up Spray Single-sided Metal Etching Machine 上喷式单面金属蚀刻机	380v/3.1kw	300x600	L1145xW435xH800	150L

Other size can be made to orders. 欢迎订做其他规格。