前进机械
FORWARD

砥 砺 向 前 · 进 无 止 境

沧州前进压瓦机械制造有限公司

服务热线

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公众号 微信 小程序 抖音

前进机械
FORWARD

砥砺向前 **进无止境**

压型冷弯产品手册

● MANUAL OF COLD BENDING PRODUCTS BY PRESSING ●

沧 州 前 进 压 瓦 机 械 制 造 有 限 公 司

前进机械 · 合作伙伴

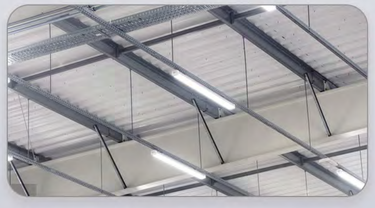
中国铁建 · 上海宝冶 · 甘肃建投 · 河北建工

华之美装饰 HUA ZHI MEI DICORATION · 陕建集团 · 龙士达控股集团 LONGSHIDA HOLDING GROUP · 中国建筑第八工程局有限公司 CHINA CONSTRUCTION EIGHTH ENGINEERING DIVISION CO.,LTD.

万达集团 WANDA GROUP · 中国海油 CNOOC · 杭萧钢构 HANGXIAO STEEL STRUCTURE · HUAHAI GROUP

荣誉资质 · 应用场景

钢结构工程、BIPV光伏电站、古风建筑、市政地标、科教办公、建材装饰、激光切割



前进机械·企业简介

沧州前进压瓦机械制造有限公司专注于金属压型冷弯设备和重载高空作业平台两大领域，是一家集“研发”“生产”“销售”于一体的高新技术企业。拥有先进的加工制造产线、高精尖的产研团队、高品质的销售服务体系。

前进时刻铭记企业使命，始终坚持在产品的“安全、智能、便捷、稳定、高效、耐久、服务”上锐意探索，以“砥砺向前 进无止境”的企业精神，致力于成为全球卓越的智能设备制造品牌。随着产品性能的突破与“一带一路”的便利，前进紧跟时代浪潮，走出国门，科学创汇，把产品远销60多个国家和地区，参与千万个城市项目建设，产品设备技术先进，品质一流，广受好评。

荣誉资质·发明专利

生产与设计能力

我们的研发中心，拥有20余名设计经验丰富，技术水平专业的工程师，他们来自电气类、机械类、物理类工科专业。由大连理工大学知名博士导师指导搭建。

我们的生产制造团队，由计划部、采购部、生产部、仓储部组成，拥有百余名技工和完善的产品供应链。企业占地110亩，拥有先进的智能生产设备和完善的质量管理体系。

高配系列

• HIGH-END SERIES

砥砺向前 进无止境

THERE IS NO END TO FORGING AHEAD

高端工艺 | 高效智能 | 板型精美

智能传动系统

与技术先进的国际品牌合作定制开发的智能操作平台，算力更强，响应更加灵敏，操作更加便捷。搭配功率强劲变频灵敏的伺服电机，智能与性能的强力组合，让产品性能得以全面释放。

精工辊压工艺

技术方案经过多次辊压排布动态模拟，优选更先进精密的从动辊压工艺，搭配以高强度轴承钢精车精磨的辊轮辊轴，减少了轮子与板材的滑动摩擦，无划痕，耐磨损，速度快，公差趋近于0。

高空系列

• HIGH ALTITUDE SERIES

砥砺向前 进无止境

THERE IS NO END TO FORGING AHEAD

高空专用 | 板型精美 | 高效打板

设备性能强

动力强劲，顶板长度可达100米；各类板材出板不跑偏；出料剪切精度高、力量大。

成型速度快

高配机型速度超过45米/分钟。板型有效宽度±2mm,各棱角角度误差≤2度。

机架强度高

底架采用波纹板/H型设计，自重轻简，强度比传统方式提高1.5倍。

机器质量轻

板材成型过程进行智能化受力分析，动态模拟辊压排布，数据化分析精简轧辊。

高速系列

• HIGH SPEED SERIES

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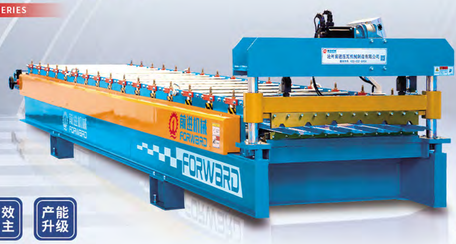


动力强劲 | 高效自主 | 产能升级

高功驱动 HIGH POWER DRIVE

快速高效 FAST AND EFFICIENT

自主编码 AUTONOMOUS CODING

板型精美 EXQUISITE PLATE SHAPE

操作智能 OPERATIONAL INTELLIGENCE

运行稳定 STABLE OPERATION

高值系列

• HIGH VALUE SERIES

砥砺向前 进无止境

THERE IS NO END TO FORGING AHEAD

物美价廉 | 坚实耐久 | 创业优选

技术一流 FIRST-CLASS TECHNOLOGY

稳定性超高 SUPER HIGH STABILITY

投入产出比高 HIGH INPUT-OUTPUT RATIO

动力强劲 STRONG MOTIVATION

适应力更强 MORE ADAPTABLE

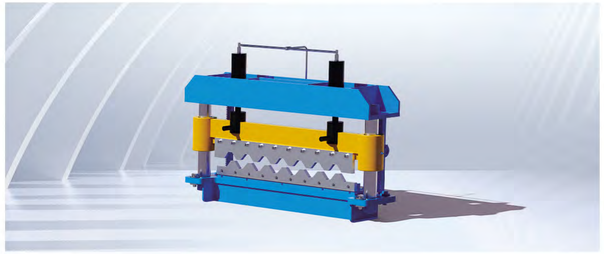
市场好评如潮 THE MARKET RECEIVED RAVE REVIEWS

液压切断装置

导向机构：双导柱或者四导柱滑轨确保切割过程的平稳顺滑，钢制油管密封性更好更耐用

铸铁刀座：以铸铁为原料，通过T型铣床加工，平整度高，减震效果显著，抗冲击性强

切割刀片：选择Cr12mov为刀片材料，淬火58-60提升硬度，保证彩钢瓦断口干净平整



辊压成型系统

框架主体结构：H型/波纹型大架，强度提升1.5倍

辊轴材料：45#钢/实心轴，精密车削，传动高效平顺

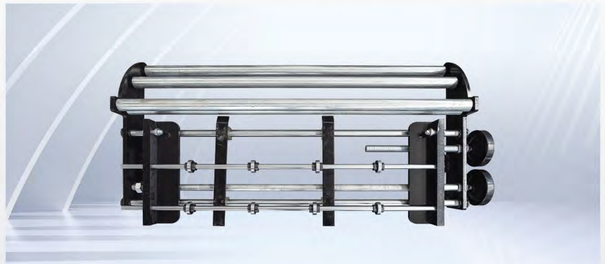
辊轮材料：Cr12或Cr12Mov高强度辊轮，硬度高，成型精度高

进料平台

平台结构：采用高强度钢板焊接，表面精车防锈处理，结构更稳固，不伤板材

平台性能：手轮调节进料宽度，更便捷；挡板或导柱限位，提升辊压精度

选配功能：可在进料平台和辊压成型之间添加液压前剪，以计算生产总长，减少原料浪费



驱动系统

齿轮/链条：齿轮经过淬火，1英寸以上链条传动更强劲，更耐久，保养方便

驱动电机：标配品牌大功率电机或选配伺服驱动电机，生产速度提升60%

变速箱：根据客户需求，配备频率更合适的的变速箱驱动，使机器运行更平稳

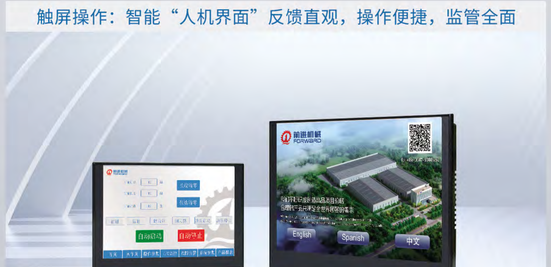
电气控制系统

PLC：高效、快速的运算处理能力；多元化周边扩展；丰富指令集

变频器：大厂变频器，在负荷工况下智能调节频率，运行高效恒稳

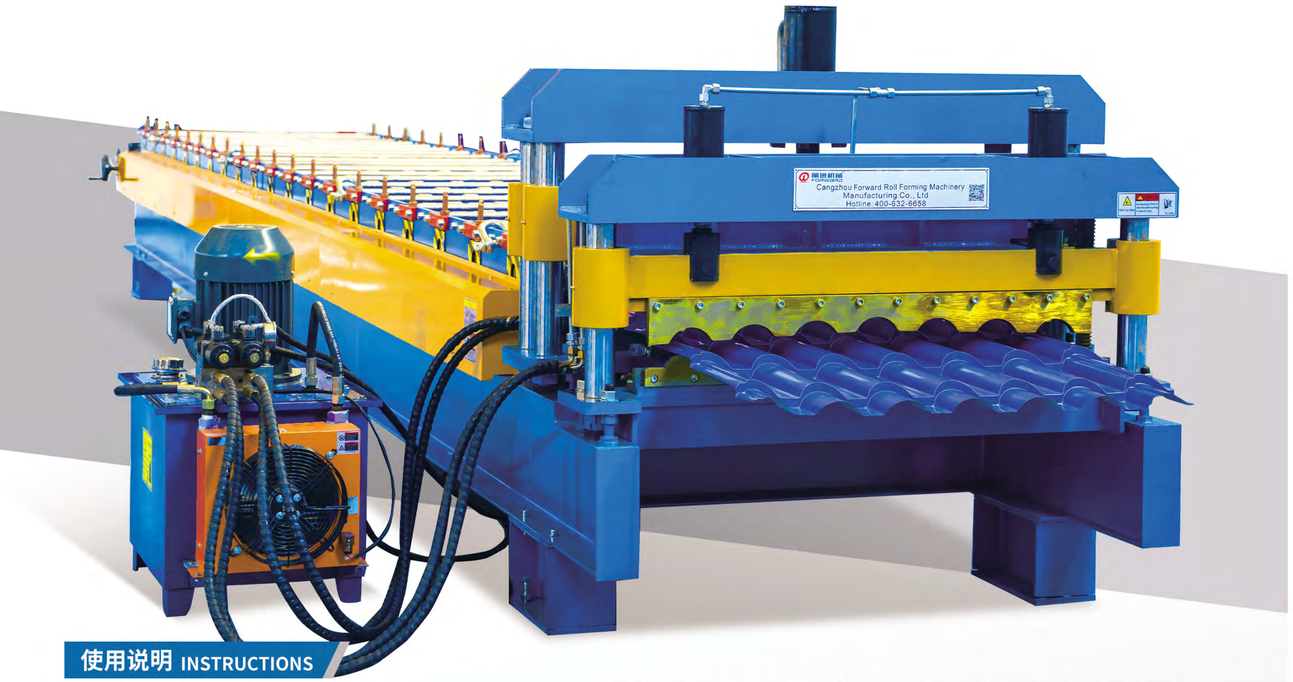
控制元件：严选高品质元器件，安全稳定，寿命长、故障率低

触屏操作：智能“人机界面”反馈直观，操作便捷，监管全面



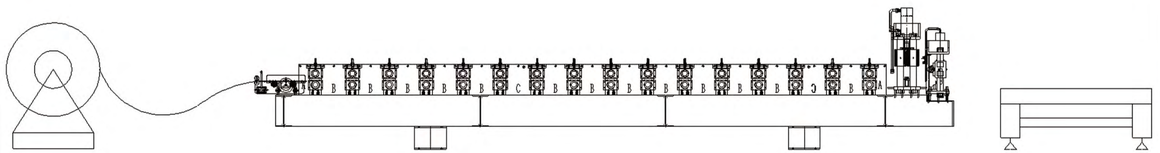
仿古琉璃瓦系列

ANTIQUE GLAZED TILE SERIES



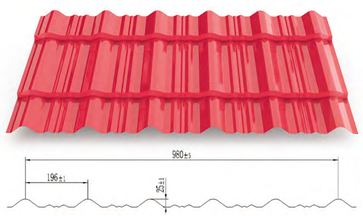
使用说明 INSTRUCTIONS

该设备采用卷装金属波板为原材料，经过开卷、校平、连续辊压冷弯成型后自定义尺寸剪切，加工生产定制形状规格的金属屋面瓦。

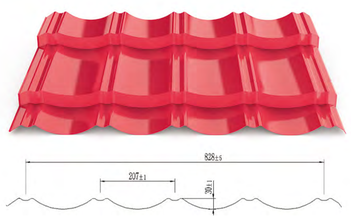


The equipment uses corrugated metal plate as raw material, after unwinding, levelling, continuous rolling and cold bending forming, custom size cutting, processing and production of customized shape specifications of metal roof tiles.

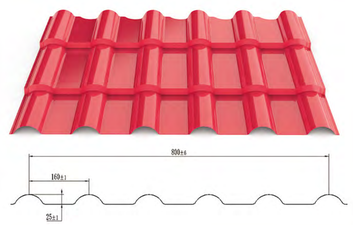
仿古琉璃瓦 ANTIQUE GLAZED TILE YX25-196-980



仿古琉璃瓦 ANTIQUE GLAZED TILE YX30-207-828



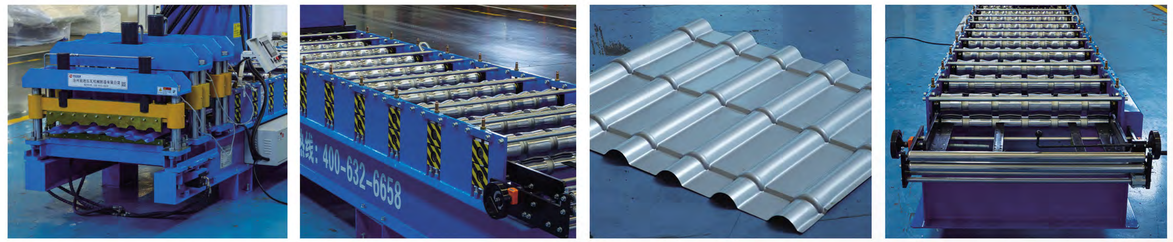
仿古琉璃瓦 ANTIQUE GLAZED TILE YX25-160-800



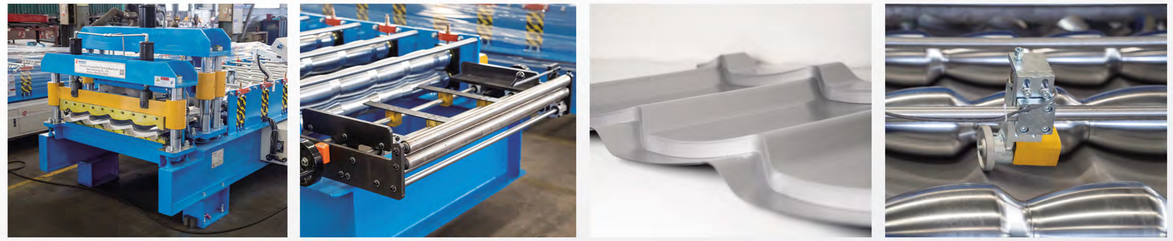
琉璃瓦 YX19-192-1152 GLAZED TILE ●

琉璃瓦 YX25-160-800-15P-FSZ-GPSF GLAZED TILE ●

琉璃瓦 YX25-160-800-FSZ-ZJ-GPSF GLAZED TILE ●

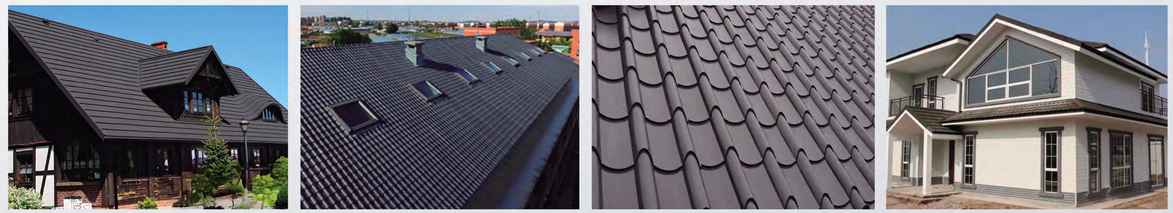


琉璃瓦 YX26-214-856-13P-GP GLAZED TILE ●



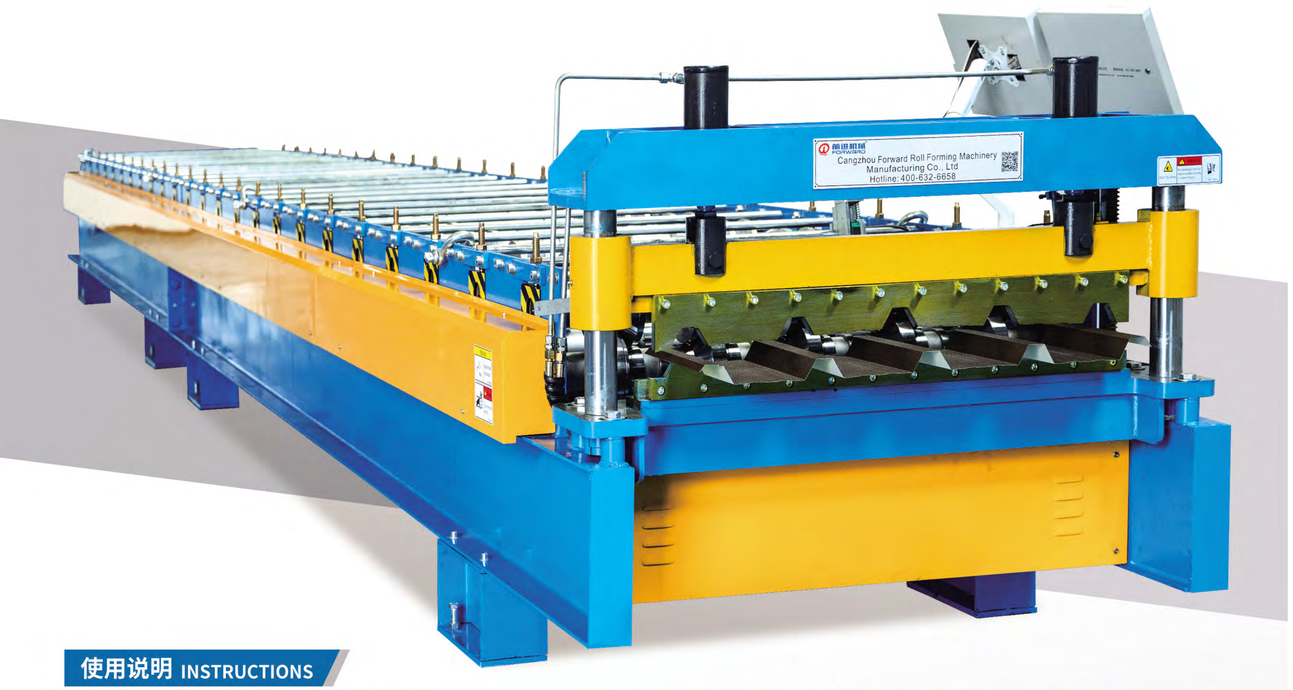
应用场景

仿古琉璃瓦，兼具传统琉璃瓦的复古质感和金属铝瓦片质地轻便、色彩多样、防潮耐磨等特点。适用于景区、密室逃脱、拍摄场地等复古建设和高端小区、别墅的墙房檐、屋顶的铺设。



梯形压瓦机系列

TRAPEZOIDAL TILE PRESS SERIES



使用说明 INSTRUCTIONS

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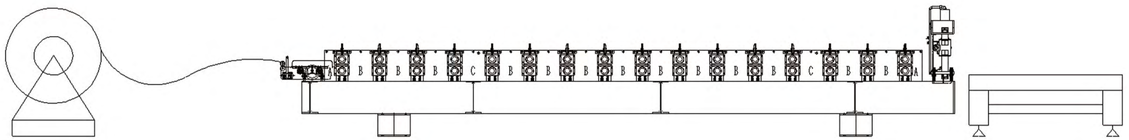

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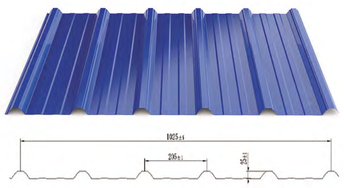
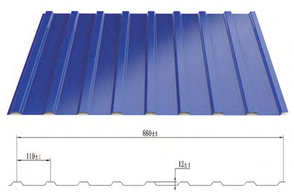
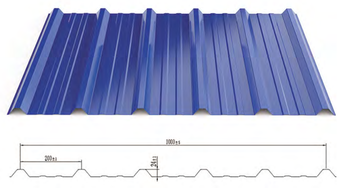
梯形 TRAPEZIUM YX25-210-1025



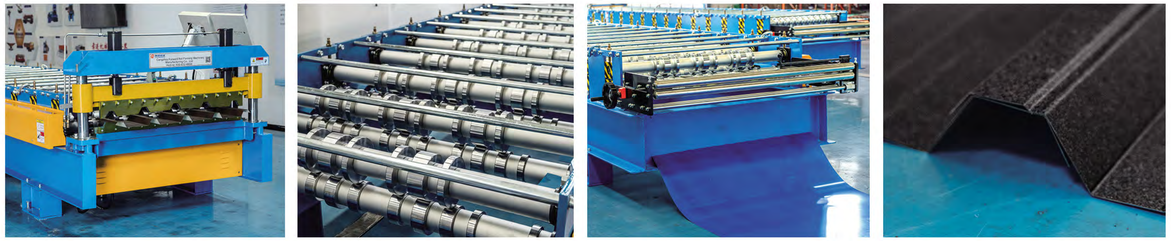
梯形 TRAPEZIUM YX12-110-880



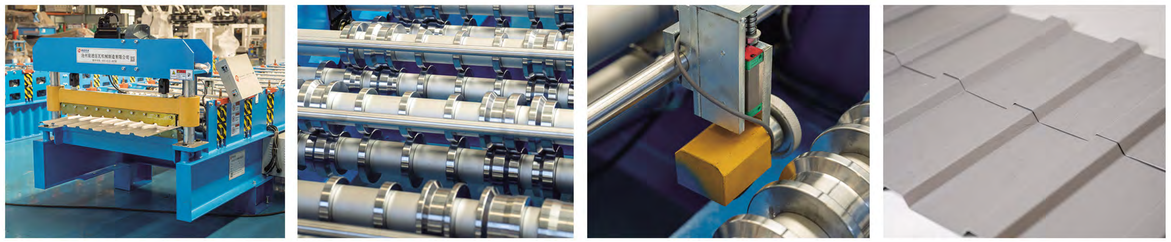
梯形 TRAPEZIUM YX24-200-1000



梯形 YX4-250-1000-24P-GP TRAPEZIUM



梯形 YX12-110-880-16P-GP TRAPEZIUM

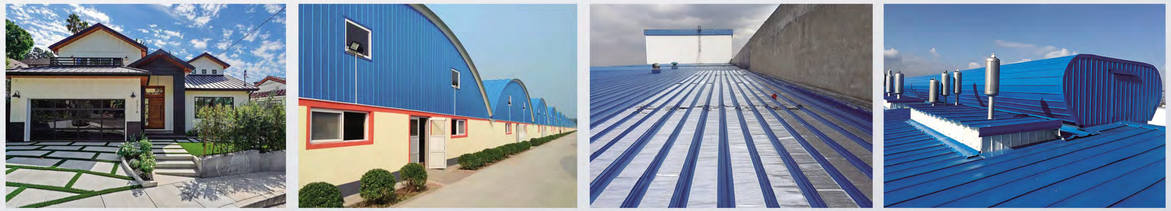


梯形 YX17.5-119-1071-16P-GP TRAPEZIUM

梯形 YX24-200-1000 TRAPEZIUM

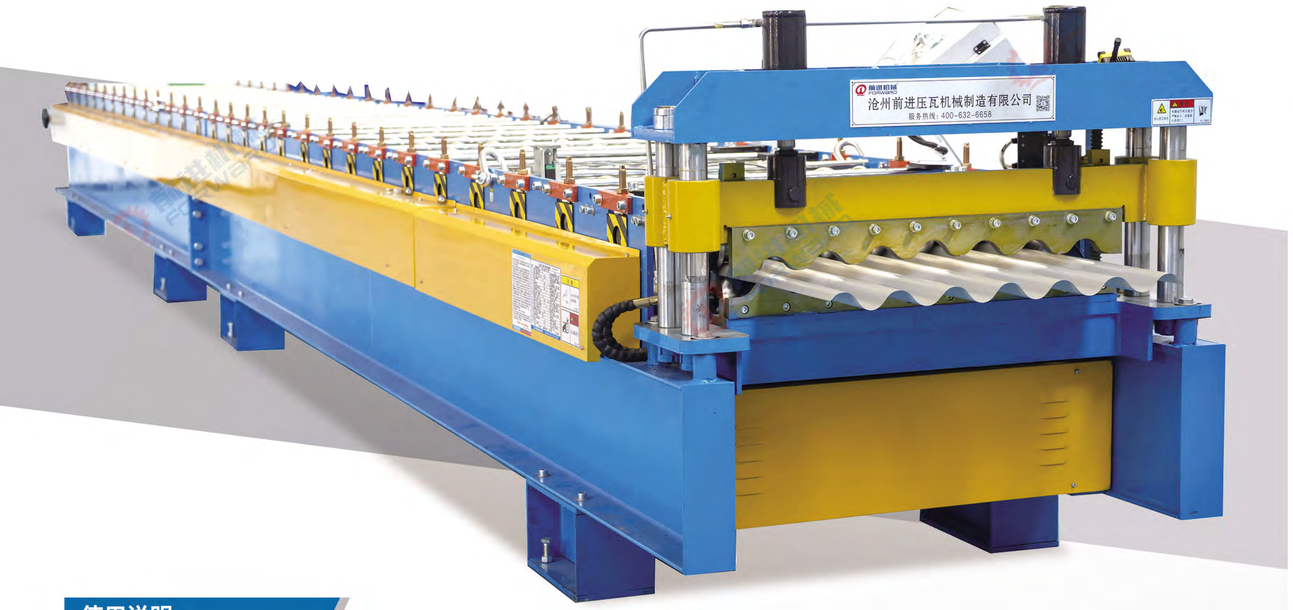
应用场景

梯形彩钢板因为其承重能力强、防水隔热、方便安装等优势，被广泛应用在仓库、厂房、体育场馆、展览馆、等中大型民用、工业建筑屋顶、墙面的铺设搭建改造。



圆弧压瓦机系列

ARC TILE PRESS SERIES



使用说明 INSTRUCTIONS

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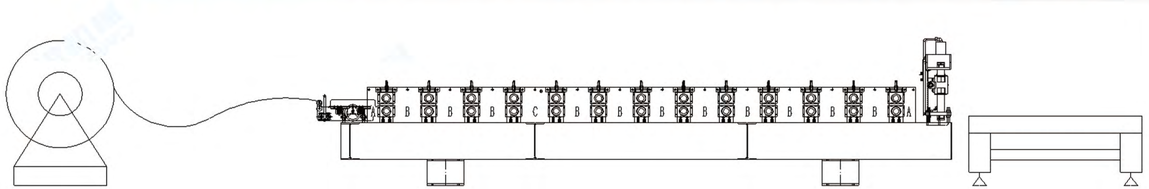

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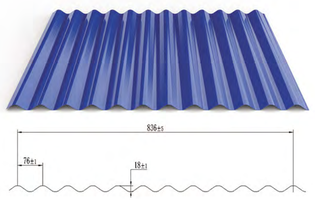
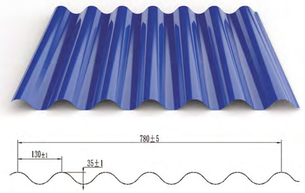
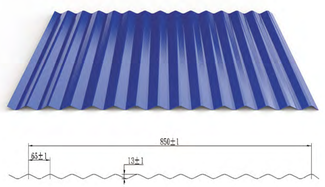
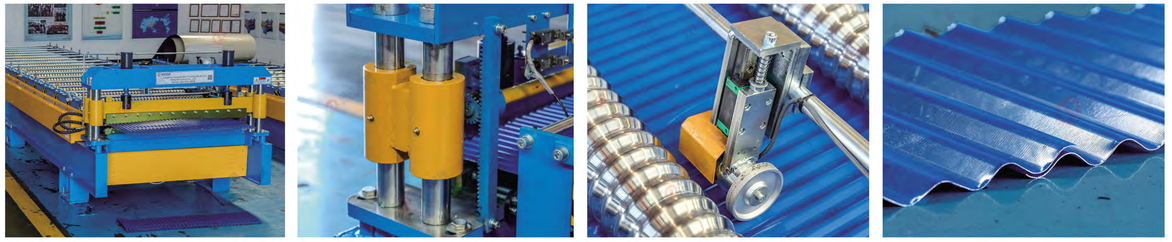
圆弧 CIRCULAR ARC PATTERN	YX18-76-836	圆弧 CIRCULAR ARC PATTERN	YX35-130-780	圆弧 CIRCULAR ARC PATTERN	YX13-65-850



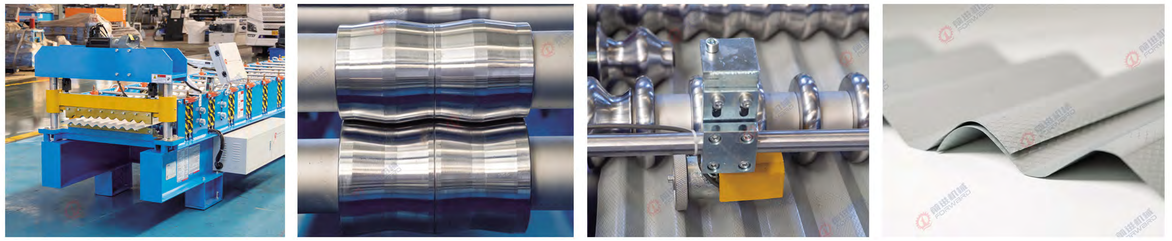




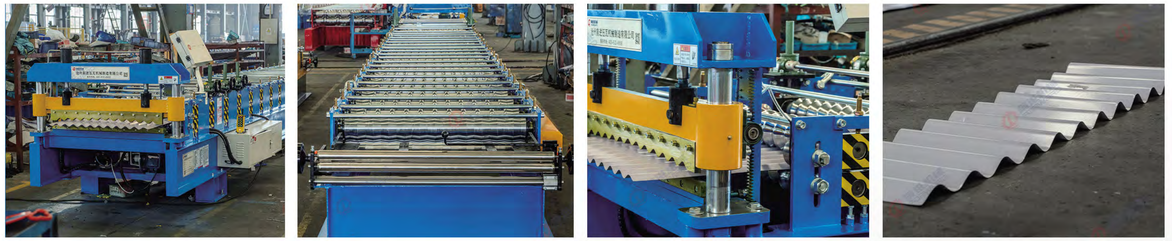
圆弧 YX6-32-1111-16P-GP ARC ●



圆弧 YX18-76-608-18P-GP ARC ●



圆弧 YX18-76-836 ARC ●



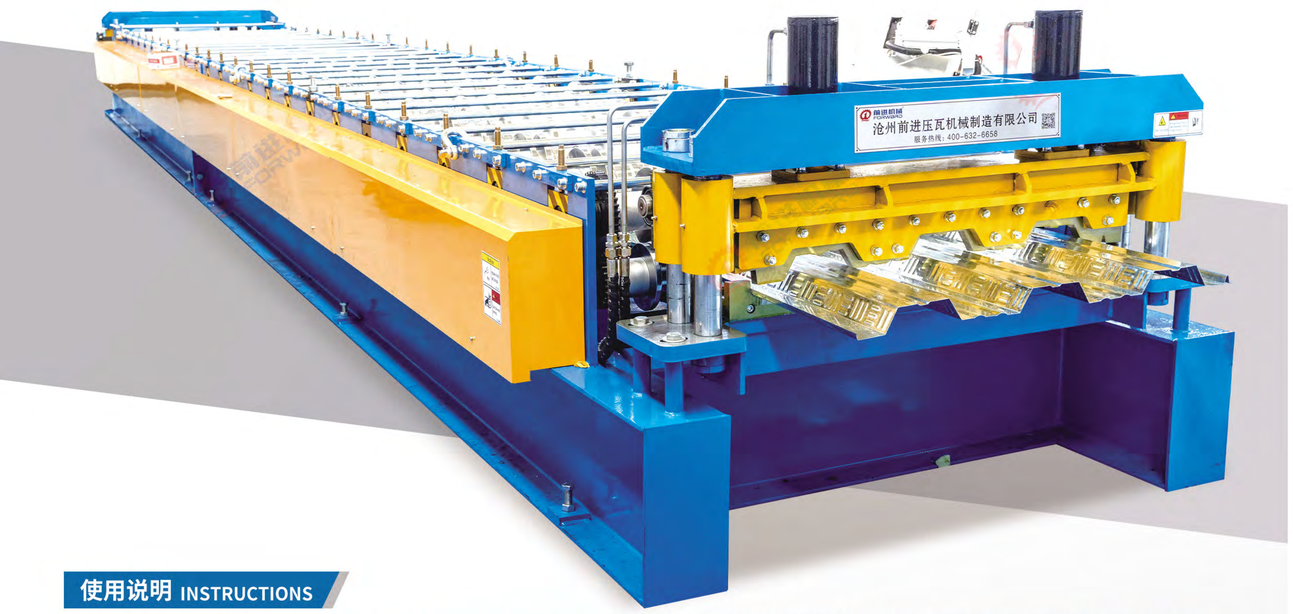
圆弧 YX18-76-836-16P-304 ARC ●

应用场景

彩钢圆弧板适用于工业与民用建筑，仓库、特种建筑、大跨度钢结构房屋屋面、墙面以及内外墙装饰等。它具有质轻、高强、色泽丰富、施工方便快捷、抗震、防火、防雨、寿命长、免维护等特点。

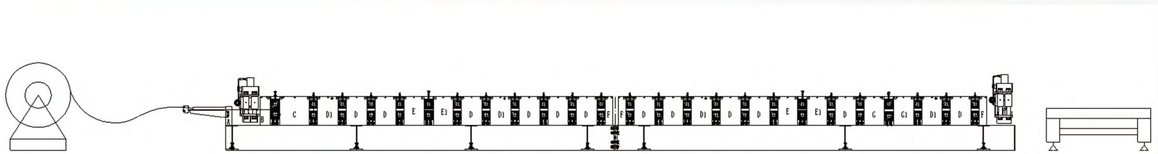
楼承板系列

FLOOR BEARING PLATE SERIES



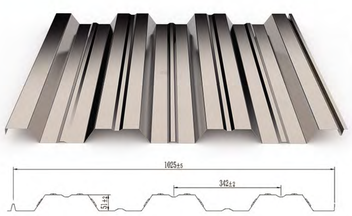
使用说明 INSTRUCTIONS

该设备采用卷装金属波板为原材料，经过开卷、校平、连续辊压冷弯成型后自定义尺寸剪切，加工生产定制形状规格的金属屋面瓦。

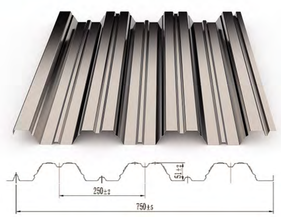


The equipment uses corrugated metal plate as raw material, after unwinding, levelling, continuous rolling and cold bending forming, custom size cutting, processing and production of customized shape specifications of metal roof tiles.

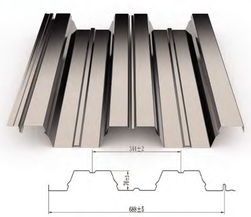
楼承板 LOUCHENGBAN YX51-342-1025



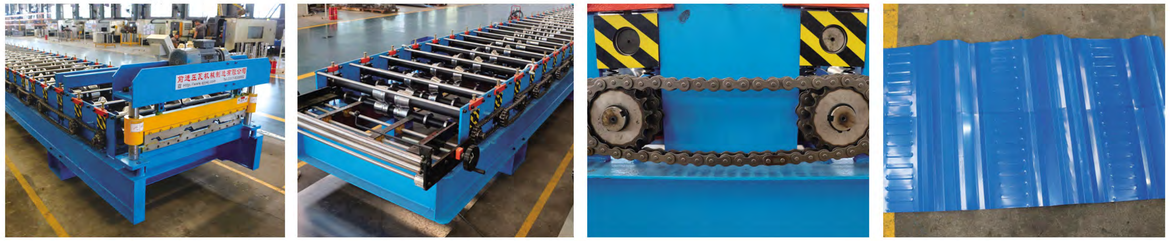
楼承板 LOUCHENGBAN YX51-250-750



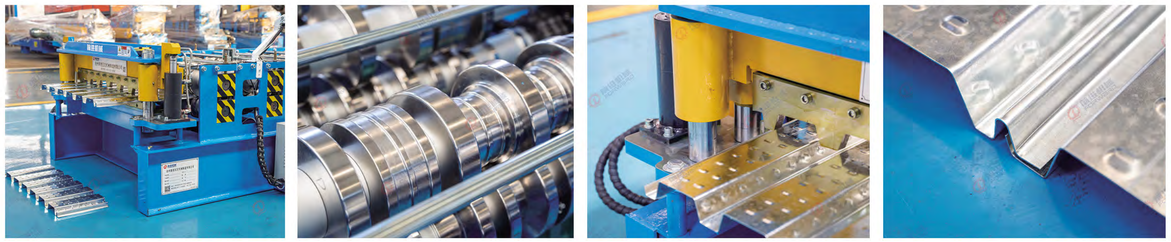
楼承板 LOUCHENGBAN YX76-344-688



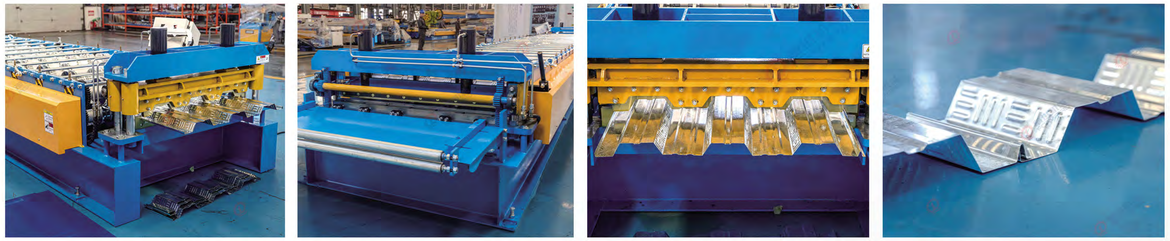
楼承板 YX35-333-1000 FLOOR SUPPORT PLATE



楼承板 YX38-152-914 FLOOR SUPPORT PLATE



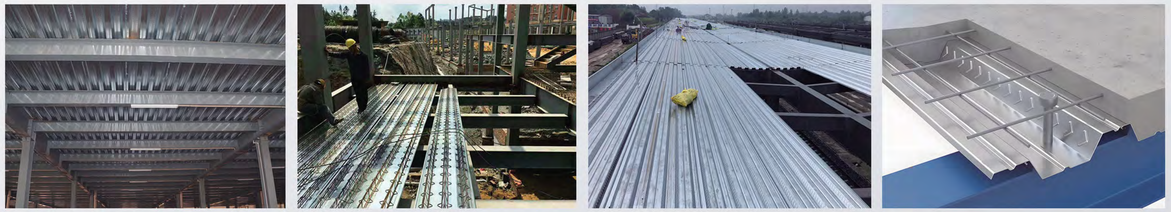
楼承板 YX51-340-1000-90Z FLOOR SUPPORT PLATE



楼承板 YX130-300-600-27P-GP FLOOR SUPPORT PLATE

应用场景

楼承板压型智能高效，与混凝土、加强筋有机结合形成楼承板系统刚性强、强度大、节省钢筋水泥用量，节能环保，铺设简易，有效提高施工进度。适用于民宅、楼宇、公共设施等钢结构建筑的楼层地面建设。

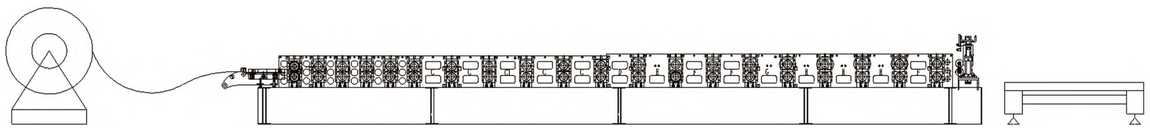


高空角驰系列

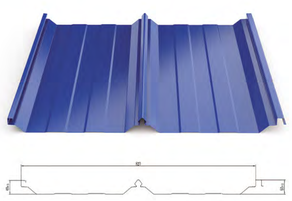
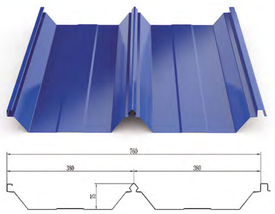
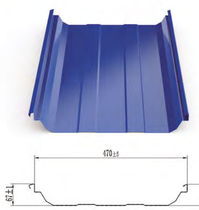
HIGH ALTITUDE ANGULAR CHI SERIES

使用说明 INSTRUCTIONS

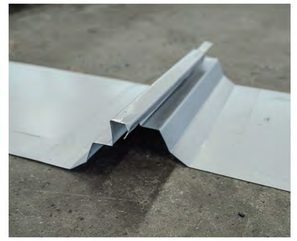
该设备采用卷装金属波板为原材料，经过开卷、校平、连续辊压冷弯成型后自定义尺寸剪切，加工生产定制形状规格的金属屋面瓦。



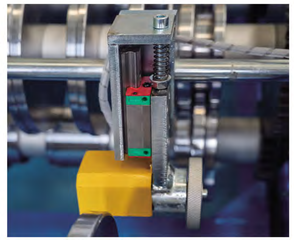
The equipment uses corrugated metal plate as raw material, after unwinding, levelling, continuous rolling and cold bending forming, custom size cutting, processing and production of customized shape specifications of metal roof tiles.

高空角驰 HIGH-ALTITUDE ANGLE	高空角驰 HIGH-ALTITUDE ANGLE	高空角驰 HIGH-ALTITUDE ANGLE
YX50-410-820	YX75-380-760	YX65-470
		

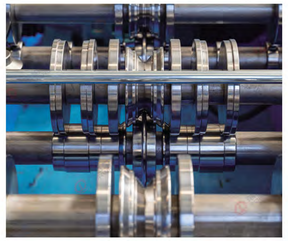
高空角驰 YX60-490-SHJ-FM-高空专用360度角驰 HIGH-ALTITUDE ANGLE ●



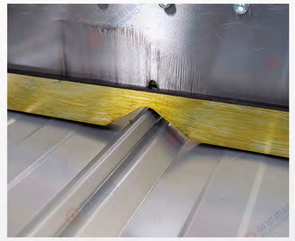
高空角驰 YX75-380-760-LPG HIGH-ALTITUDE ANGLE ●



高空角驰 YX50-410-820-304不锈钢 HIGH-ALTITUDE ANGLE ●



高空角驰 YX50-410-820 HIGH-ALTITUDE ANGLE ●

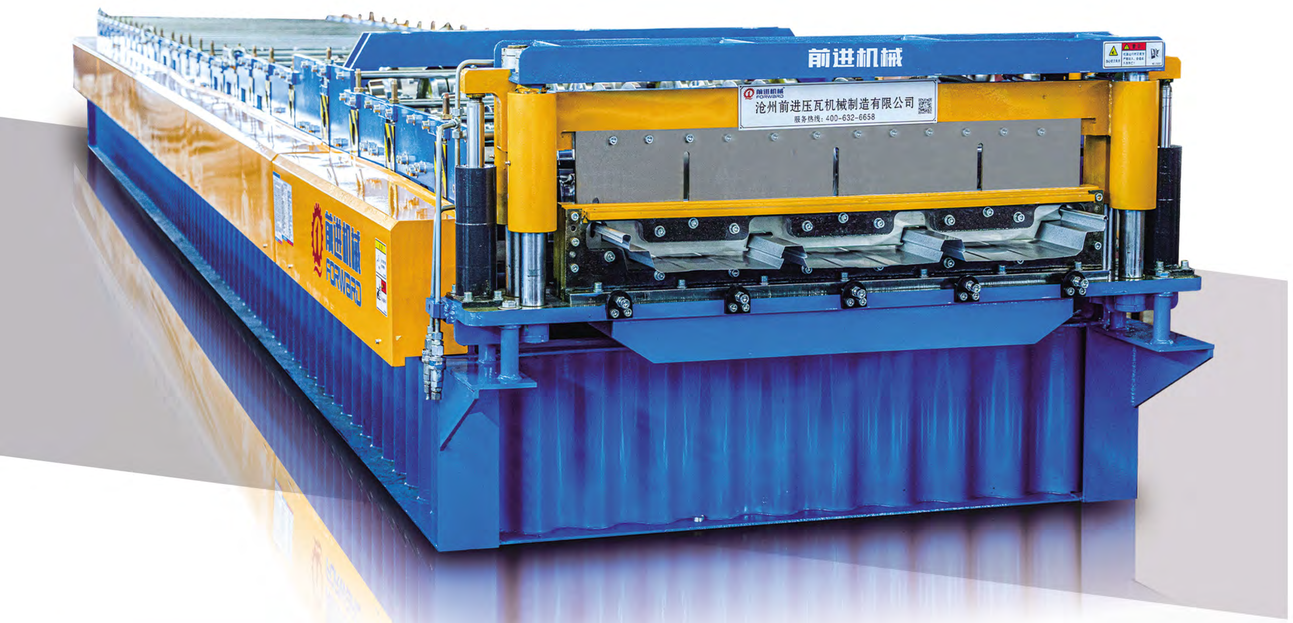


应用场景

贝母板、角驰、屋面板系列金属瓦具有疏水性强，重量轻，防腐抗压，沟槽连接无需打钉，环保可回收等特点。适用高铁站、拱形建筑、物流中心等大跨度厂房的屋顶安装。

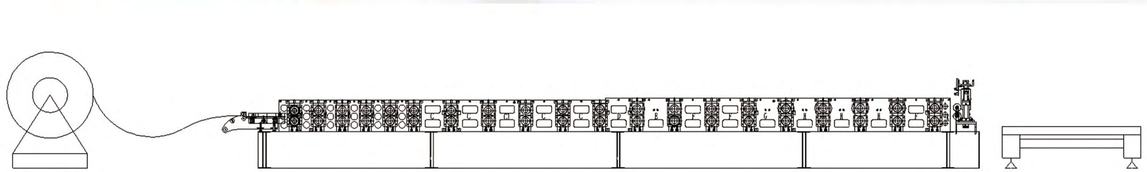
光伏屋面压瓦机

PHOTOVOLTAIC ROOFING PRESS



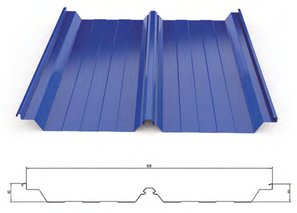
使用说明 INSTRUCTIONS

该设备采用卷装金属波板为原材料，经过开卷、校平、连续辊压冷弯成型后自定义尺寸剪切，加工生产定制形状规格的金属屋面瓦。

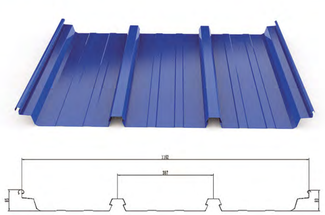


The equipment uses corrugated metal plate as raw material, after unwinding, levelling, continuous rolling and cold bending forming, custom size cutting, processing and production of customized shape specifications of metal roof tiles.

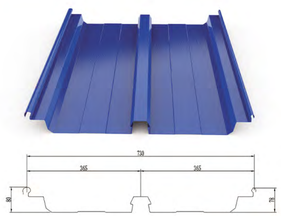
光伏 SOLAR POWER　YX62-410-820



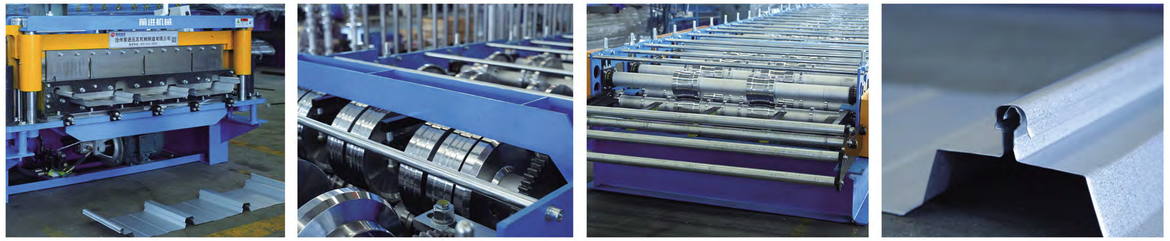
光伏 SOLAR POWER　YX48-386-1162



光伏 SOLAR POWER　YX65-365-730

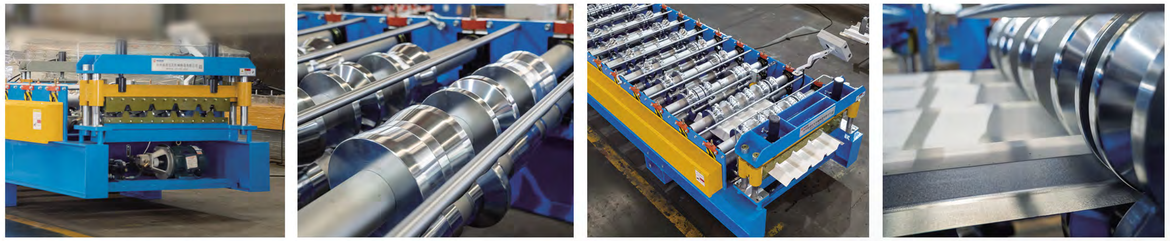


光伏　YX48-368-1162　SOLAR POWER

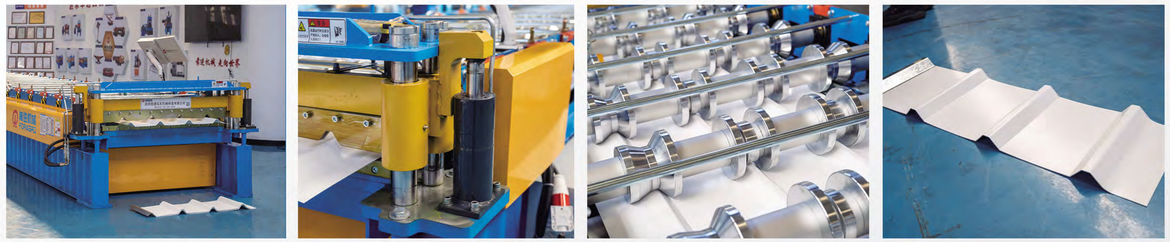


光伏　YX66-370-738-GKDM-26P　SOLAR POWER

光伏　YX50-230-690-830　SOLAR POWER



光伏　YX30-280-840-20P-GK-90Z　SOLAR POWER

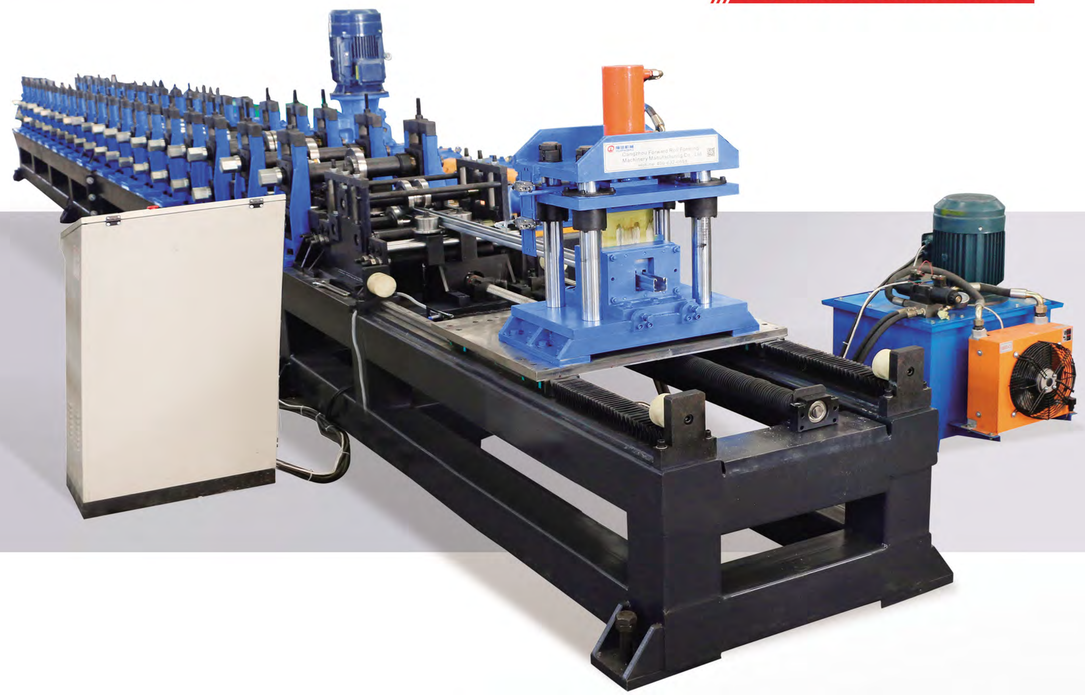


应用场景

柔性复合板、光伏角驰、定制光伏等系列金属瓦具备高强疏水防水性、使用寿命长、尺寸精度高、防火保温等特点。多应用于现代化厂房、市场、仓库等大型建筑屋面墙面的修建和改造。

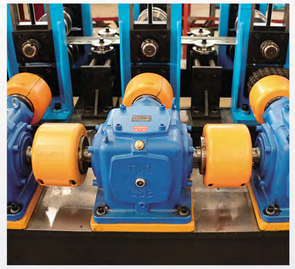
光伏支架系列

PHOTOVOLTAIC BRACKET SERIES



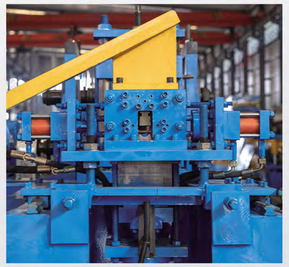
光伏支架 LW41-41

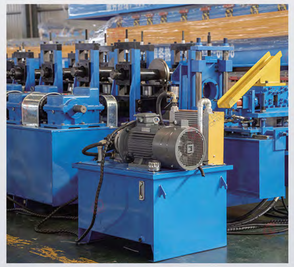
PHOTOVOLTAIC STAND



光伏支架 LW41-41-90（光伏支架流水线）美国

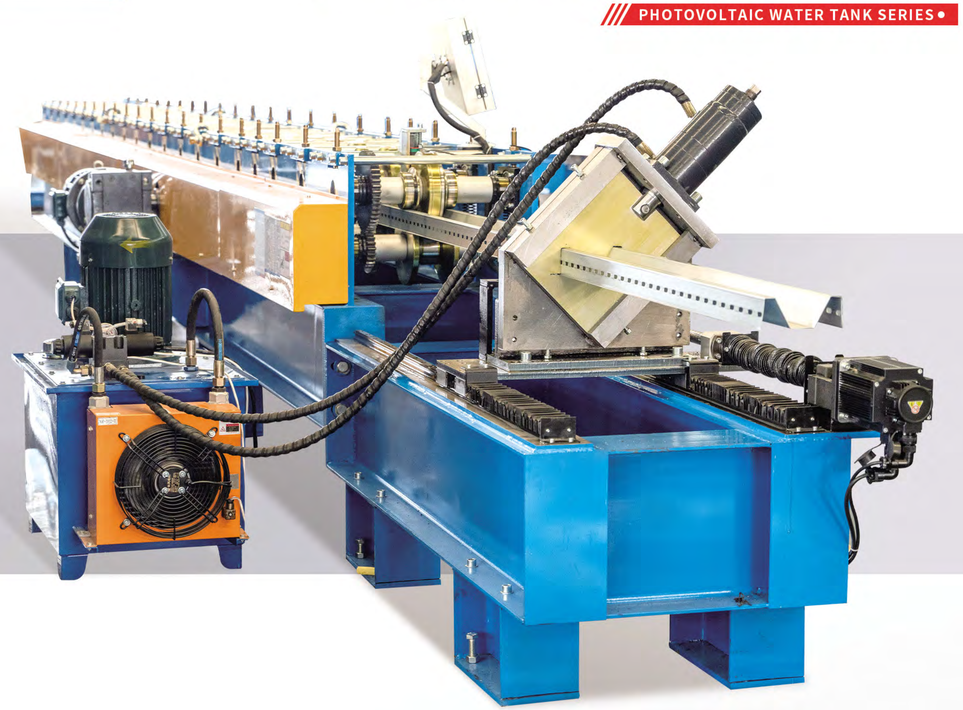
PHOTOVOLTAIC STAND





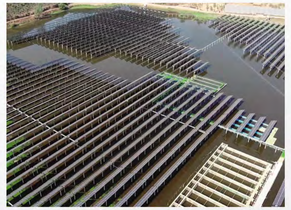
光伏水槽系列

PHOTOVOLTAIC WATER TANK SERIES

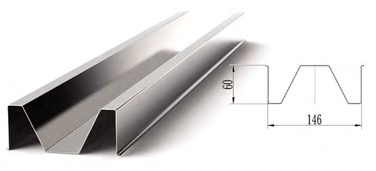


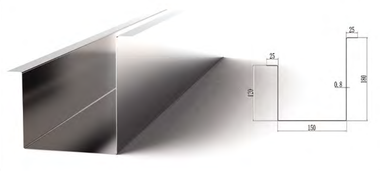
应用场景

光伏水槽以金属板材为原料方便设计、规格多样、利于匹配场景安装。多应用于民宅民居、工业厂房、生态阳光房的屋顶光伏改造，以其良好疏水性被广泛应用。



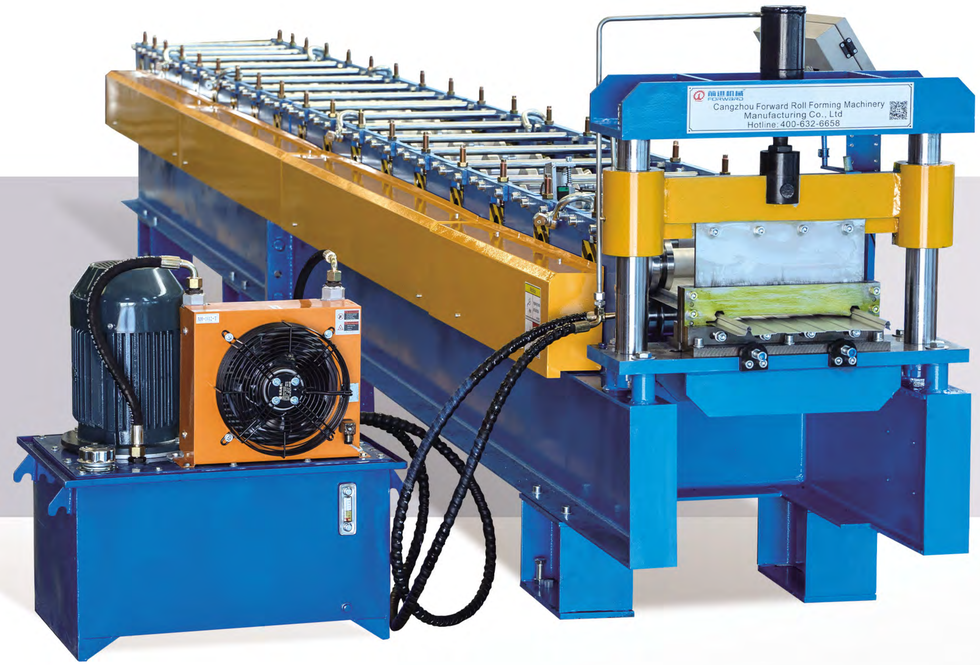
光伏水槽 PHOTOVOLTAIC WATER TANK	光伏水槽 PHOTOVOLTAIC WATER TANK	光伏水槽 PHOTOVOLTAIC WATER TANK
LW60-146-339	LW120-150-490	LW48-158-290





隐藏式屋顶板

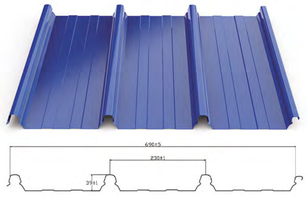
RECESSED ROOF PANELS



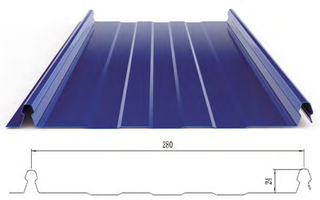
应用场景

隐藏式屋面瓦铺设简单、美观大方、防水疏水，被广泛应用与旅游景区、网红民宿、影视基地、简易房等建筑的屋顶铺设、改造、重建。

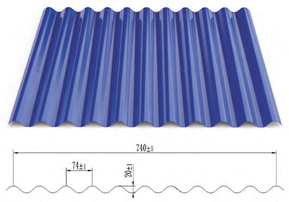
隐藏式屋面板 CONCEALED ROOF PANEL YX39-230-690



隐藏式屋面板 CONCEALED ROOF PANEL LW24-280-400



隐藏式屋面板 CONCEALED ROOF PANEL YX20-74-740



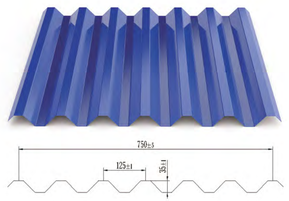
墙面板系列

WALL PANEL SERIES

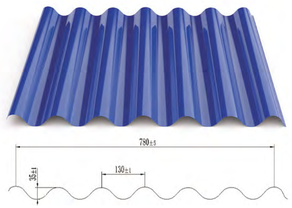
应用场景

墙面板具有设计美观、颜色丰富、尺寸统一、防潮防腐、隔音保暖、便于安装等特点。常用于公共设施、实验室、一体化厨卫、民居民宅、三农建设等建筑的墙体铺设。

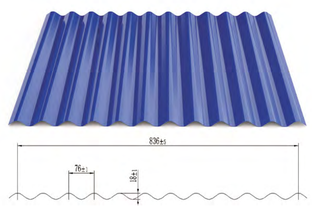
墙面板 SHINGLE NAIL YX35-125-750



墙面板 SHINGLE NAIL YX35-130-780



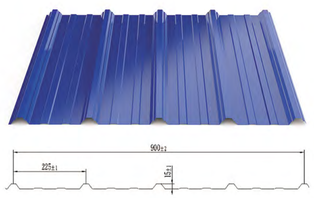
墙面板 SHINGLE NAIL YX18-76-836



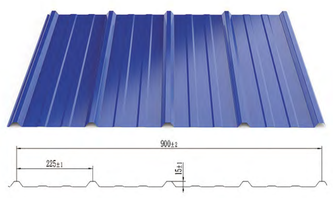
双层压瓦机系列

DOUBLE LAYER TILE PRESSING MACHINE SERIES

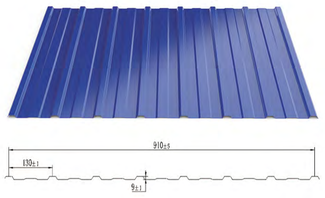
双层压瓦机 DOUBLE TILE PRESS — YX23-210-840



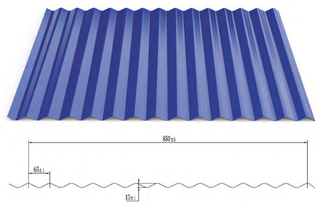
双层压瓦机 DOUBLE TILE PRESS — YX15-225-900



双层压瓦机 DOUBLE TILE PRESS — YX9-130-910



双层压瓦机 DOUBLE TILE PRESS — YX13-65-850



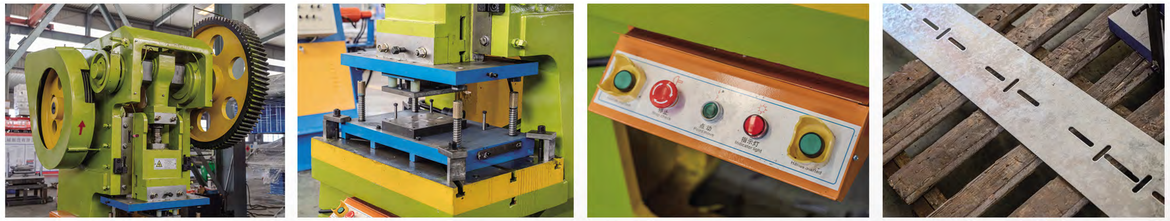
附件系列

ACCESSORY SERIES

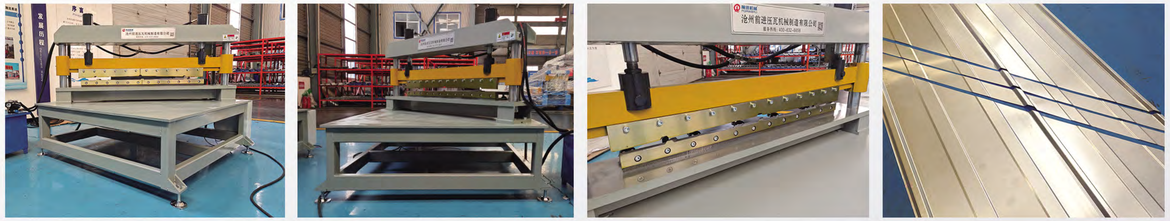
附件 液压开卷机 HYDRAULIC UNCOILER

附件 定尺剪板机 SIZE SHEARING MACHINE

附件 冲孔冲床设备 PUNCHING MACHINE EQUIPMENT



附件 半自动切角机 SEMI-AUTOMATIC CORNER CUTTING MACHINE



附件 圆弧横压机 ARC TRANSVERSE PRESS

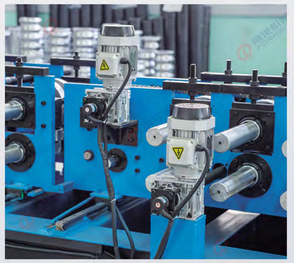
CZ型钢系列

CZ STEEL SERIES

应用场景

C/Z型钢因截面形如C/Z字母得名，有着规格尺寸多样、安装便捷等优点。广泛应用在厂房、仓库、大型车站、会展中心等钢结构建筑的檩条、墙梁；也可自行组合成轻量型屋架、托架等建筑结构。

CZ型钢　LW60-200（无极C型钢）　CZ STEEL

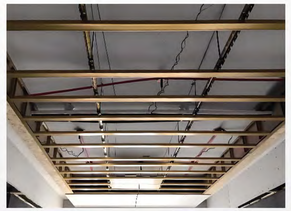


轻钢龙骨系列

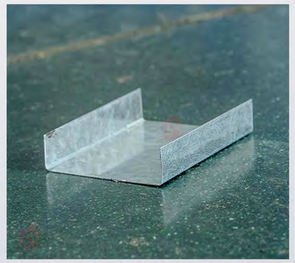
LIGHT STEEL KEEL SERIES

应用场景

轻钢龙骨拥有款式多样、承重力强、轻巧易安装等优势。多用于天花板吊装、隔断墙面支撑固定、简易推拉门滑轨等室内轻型承重结构的装修改造。



轻钢龙骨　LW20-78-120-龙骨机　LIGHT STEEL KEEL



几字型钢机系列

SEVERAL SHAPE STEEL MACHINE SERIES

应用场景

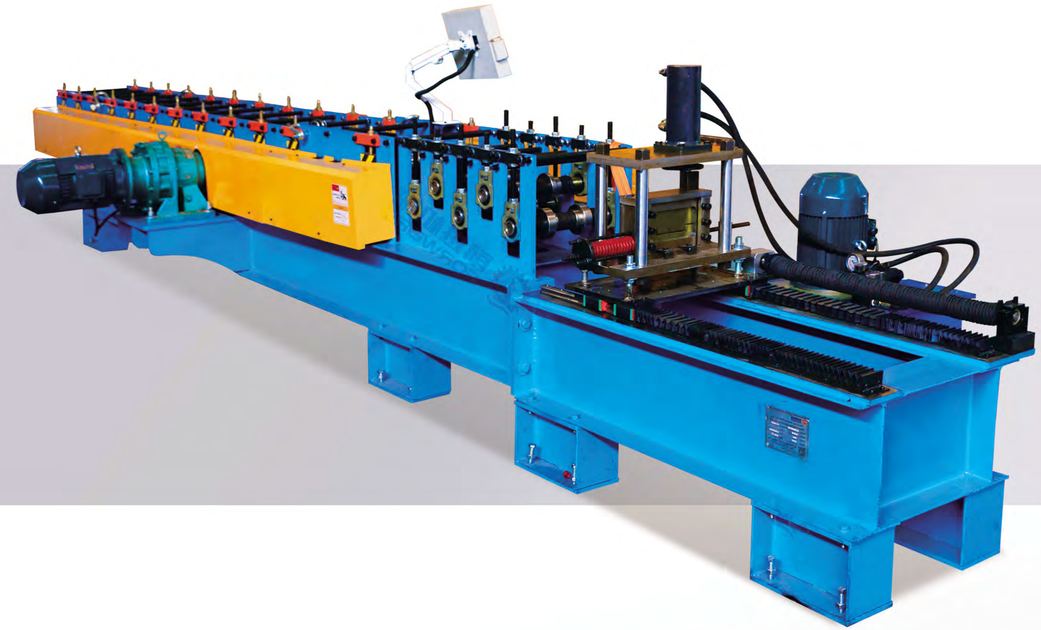
几字形檩条具备寿命长，耐腐蚀，强度大，安装方便，空间利用率高，有效处理滴露现象等特点，被广泛应用于农业生态阳光房，花卉植物园，有机大棚的主体搭建。

几字型钢 LW19-120-180

SEVERAL SHAPED STEEL

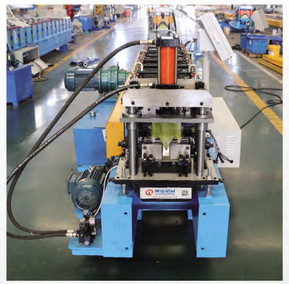
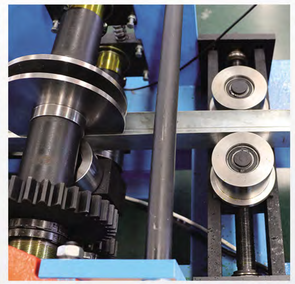
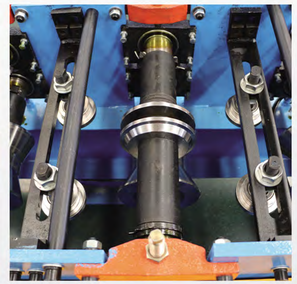
U&W型钢系列

U&W STEEL SERIES



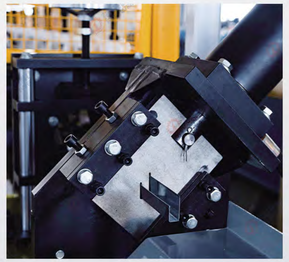
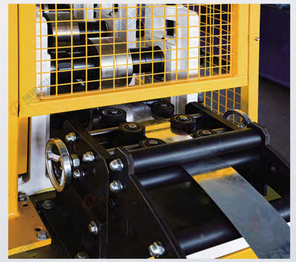
U&W型钢 LW18-22-25-28-30-40（60轴墙板式300U型钢互换）

U&W SECTION STEEL

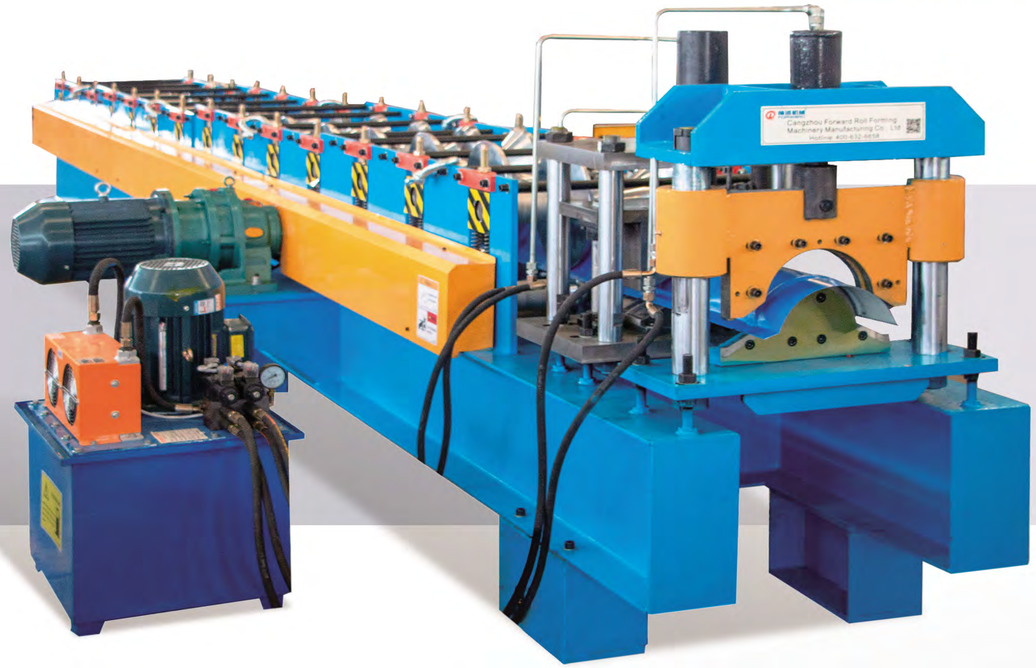
U&W型钢 LW23.8-15.875-38.1

U&W SECTION STEEL

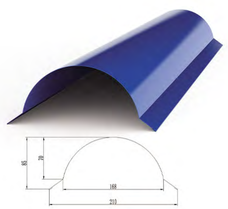
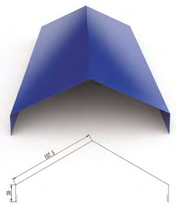
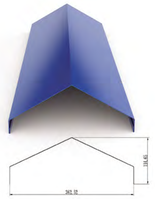
屋脊瓦系列

ROOF TILE SERIES



应用场景

屋脊瓦，能替代过去的屋脊瓦中的脊垫瓦，用于铺放在波形瓦上的基座部分，屋脊瓦中的盖脊瓦在外侧面部分，形成外观造型的冠部组成的结构。产品广泛应用于各种工业厂房、民房、仓库及简易钢棚屋面脊瓦的制作且美观大方。

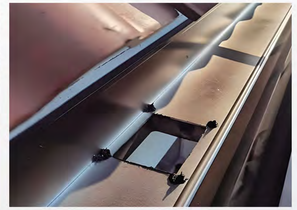
屋脊瓦 RIDGE TILE	屋脊瓦 RIDGE TILE	屋脊瓦 RIDGE TILE
YX85-210-312	LW30-157-400	LW134-362-500
		

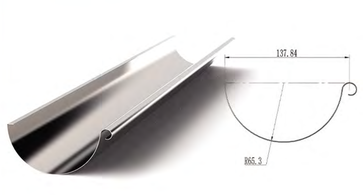
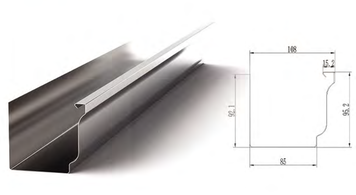
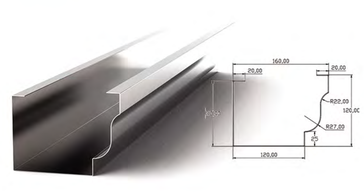
天沟水槽系列

GUTTER GUTTER SERIES

应用场景

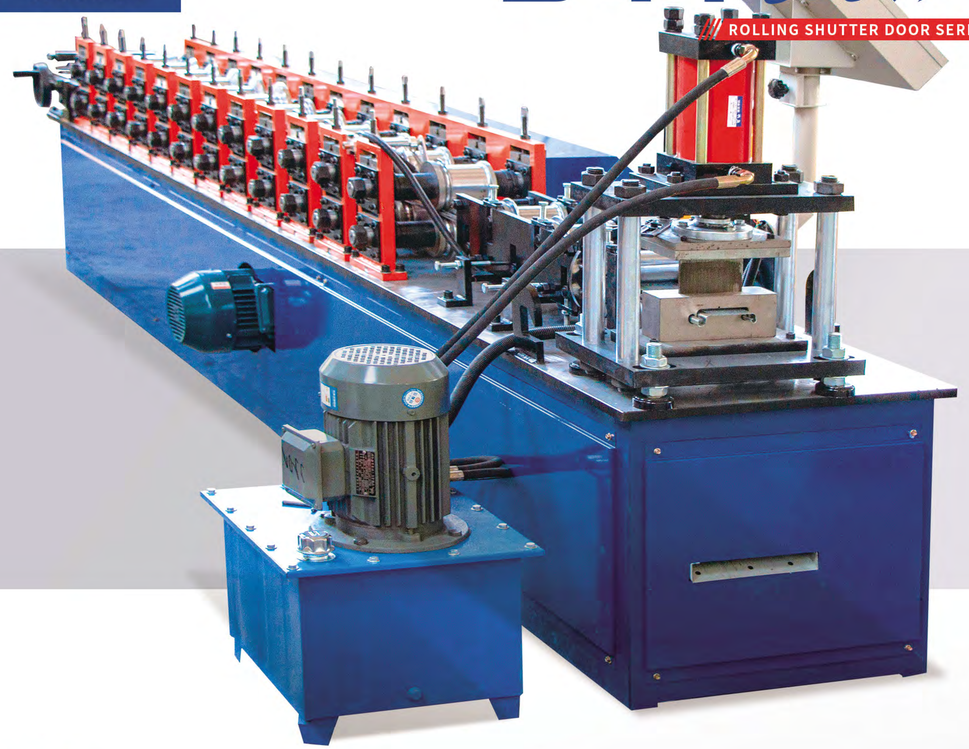
天沟水槽以金属板材为原料方便设计、规格多样、利于匹配场景安装。多应用于民宅房檐、厂房水道、农业大棚的搭建，以其良好疏水性被广泛应用。



天沟水槽 GUTTER FLUME	天沟水槽 GUTTER FLUME	天沟水槽 GUTTER FLUME
YX65-137.5-245	LW95-107.5-300	LW110-120-400
		

卷帘门系列

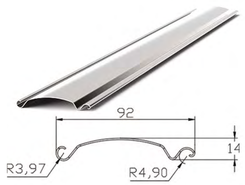
ROLLING SHUTTER DOOR SERIES



应用场景

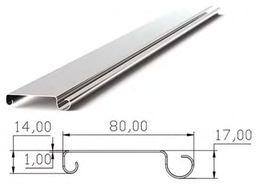
卷帘门因受力、日照、搭接等因素，对原料及版型要求更加严格，前进卷帘门成型机生产高效，操作智能，滚轮辊轴精车精磨，能辊压硬度更高的厚板及不锈钢。

卷帘门 ROLLING DOOR **LW14-92-122**



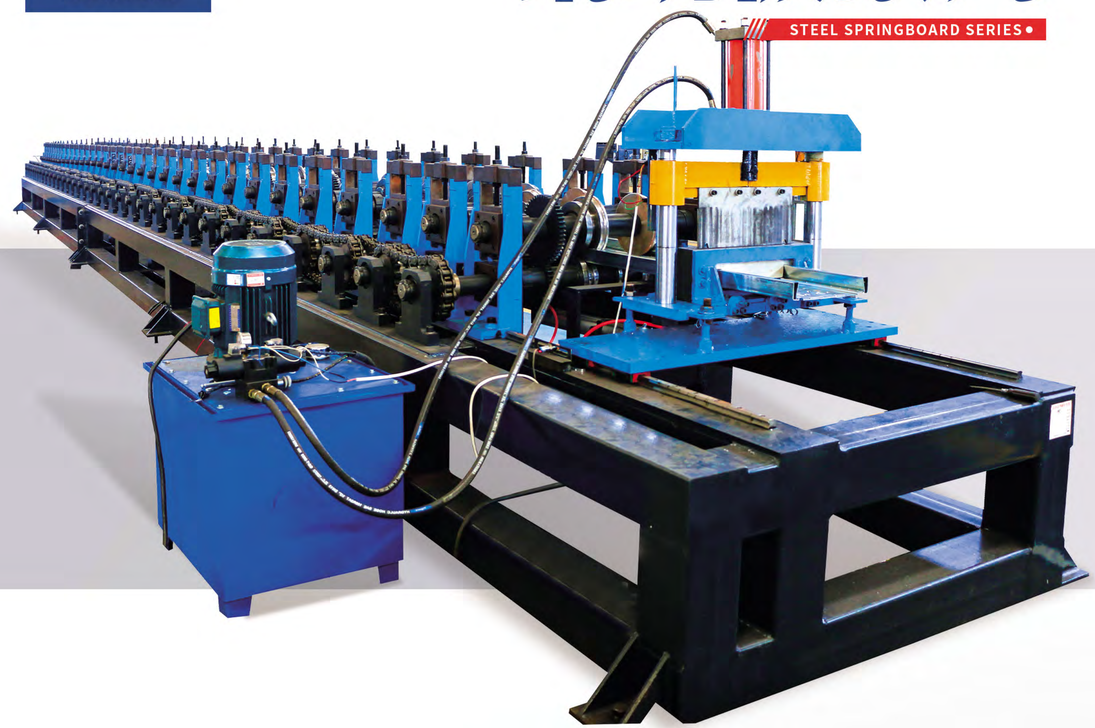
卷帘门 ROLLING DOOR **LW122-85**

卷帘门 ROLLING DOOR **LW17-80-126**



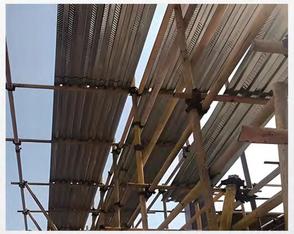
钢跳板系列

STEEL SPRINGBOARD SERIES

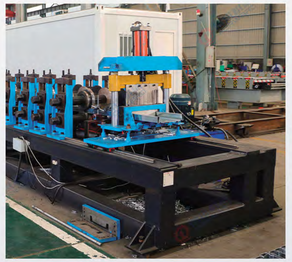
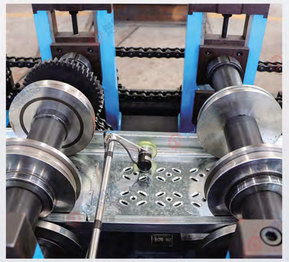


应用场景

生产加工效率高，机器设计精巧，表面加厚喷涂，耐磨防潮寿命更长，操作智能便捷，更适合标准化自动化生产。



钢跳板 LW290-50-530 STEEL RAMP

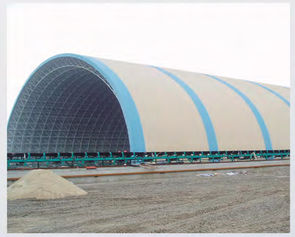
打拱机系列

ARCH BEATING MACHINE SERIES •

打拱机 YX23-210-840 ARCH BEATER •

应用场景

小巧精致性能强悍，智能化冲孔高效生产，表面多次喷涂防锈防蚀，大架加厚精密焊接工艺提高使用寿命。

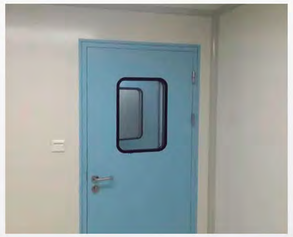


门框机系列

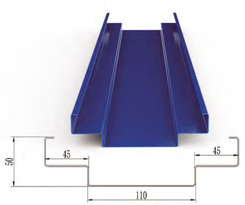
DOOR FRAME MACHINE SERIES •

应用场景

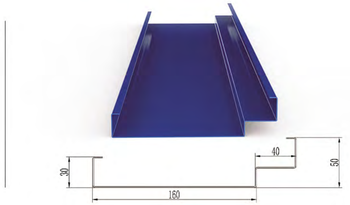
设备型号齐全支持技术方案定制，板材加工成型效率高，智能计数器反馈灵敏，切口干净无毛刺。



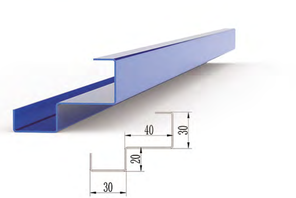
门框机 DOOR FRAME MACHINE LW50-200-302



门框机 DOOR FRAME MACHINE LW50-200-270



门框机 DOOR FRAME MACHINE LW50-70-150

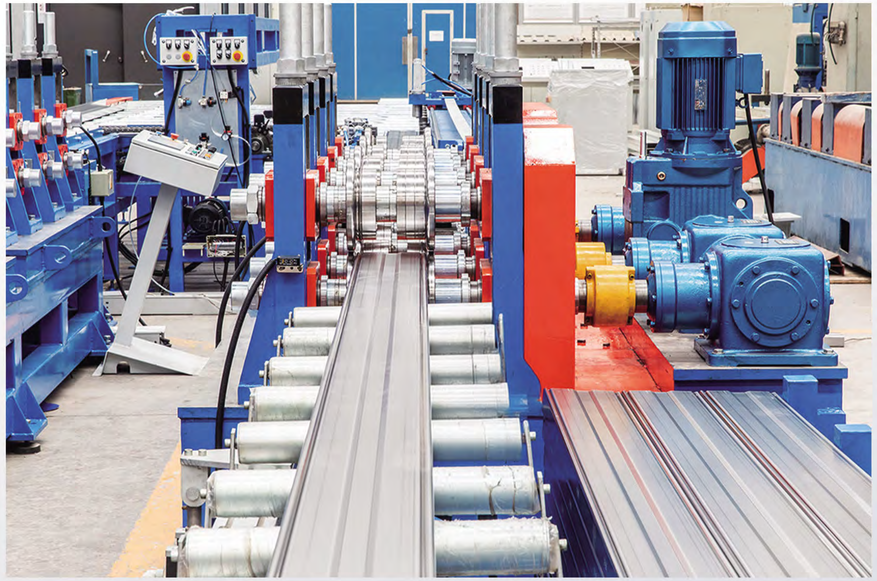


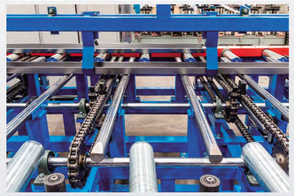
薄板开平线系列

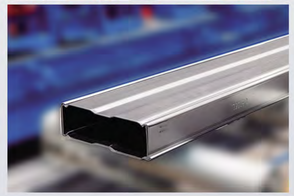
THIN PLATE OPEN LINE SERIES

超市货架系列

SUPERMARKET SHELF SERIES

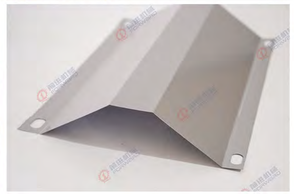






挡风抑尘板

WINDPROOF DUST SUPPRESSION BOARD

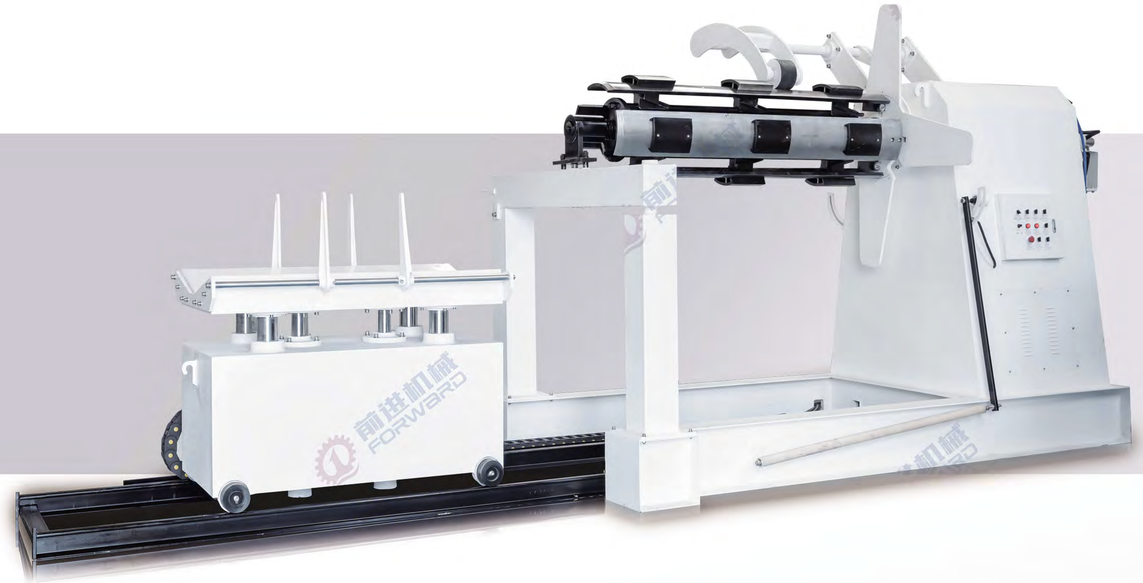


压花机校平机

EMBOSSING MACHINE LEVELLING MACHINE

开卷系列

PHOTOVOLTAIC TILE PRESS

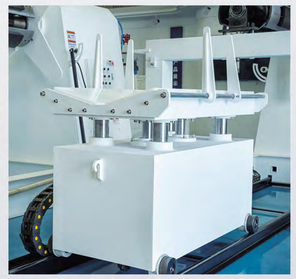


液压开卷机

HYDRAULIC UNCOILER

液压开卷机

HYDRAULIC UNCOILER



校平系列

LEVELLING SERIES

二重校平机

DOUBLE LEVELLING MACHINE

四重校平机

QUADRUPLE LEVELLING MACHINE

履带式重载高空作业平台

CRAWLER TYPE HEAVY DUTY AERIAL WORK PLATFORM

应用场景

前进机械反吊顶平台翼展式设计安全稳定、载荷能力强、使用面积大、适用范围广。超过100平方的作业面积，配合随车吊进行厂房搭建、设施修缮和安装、表面维护和清洁等高空作业时有效的提高作业效率。

车载式高空压瓦举升机

VEHICLE-MOUNTED HIGH ALTITUDE COMPRESSION TILE LIFT

应用场景

前进机械举升机主要应用于钢结构建筑屋面板、吊顶板制作领域，具有安全稳定、载荷能力强、举升效率高等特点。能完成彩钢卷吊装、输送；举升贝母板、屋面板、角驰系列压瓦机，配合高空专业压瓦机辊压制瓦等高空作业。