

制鞋行业智能应用解决方案

Smart Application Solutions for Footwear Industry

激光.智动化 / 刀片.智能裁
SMART LASER & KNIFE CUT SYS

江西微驰自动化科技有限公司
VCHI AUTOMATION INC.

以激光和振动刀为载体；助您推进工业4.0

With Laser and Oscillating Cutter as carrier; Helping you to advance Industry 4.0

60+ Patents 专利

20+ R & D 研发人员

30K Global Customer 全球用户

90+ Countries & Regions 国家及地区

15年
2005年创立
Founded in 2005

5项
SGS/CE/ISO/FDA/BV
国际标准认证
International Standard Certification

150+
激光&震动刀型号产品
Laser systems &
Knife cutters

2000+
应用解决方案
Application
solutions

30+
功能模组
Function modules

Industry Application (Finished products and process display)

行业应用（成品及工艺展示）

一站式智能裁断解决方案
ONE STOP SMART CUTTING SOLUTIONS

2-11轴运动+CCD摄像定位+P投影+AT自动输送+IOT

2-11 axis movement + CCD camera positioning + Projector +Automatic conveyance + IOT









Smart Application Solutions for Footwear Industry

制鞋行业智能应用解决方案

同一IOT平台， 同时兼容激光系统、震动刀系统。

Same IOT platform, compatible with both laser cutting system and oscillating knife cutting system

智能裁断 Cutting Process

震动刀切割 Oscillating knife Cutting



卷装规则材料切割与冲孔
Roll regular material cutting
and punching
真皮切割
Genuine leather cutting

激光切割 Laser Cutting



数码印花摄像定位切割
Printing fabric vision positioning cutting
网布、编织鞋面切割
Mesh, Knitted upper cutting
中底板切割
Mid-sole cutting

样板室应用 Sample Room Application



代替板房、唛架、放样机、剪刀剪布料、冲孔Replace board room, marker, stakeout machine, scissors cut fabric, punching

激光工艺 Laser process



激光打标&镂空、标记
Laser marking and perforating

画线工艺 Dispensing & line drawing



划线+切割
Line drawing + laser cutting

ITS智能排版系统 ITS smart nesting system



真皮验皮排版
Genuine leather verifying and nesting

Multifunction Digital Knife Cutting System

多功能数字刀片裁剪系统



KC-1612-P

小订单/样品机型
Small order/Sample model

打样中心的各种裁片切割
All kinds of clothing pieces cutting in the sample center



KC-1625TT

真皮加工机型
Genuine leather processing model

ITS真皮智能排版切割
ITS Genuine leather smart nesting & cutting

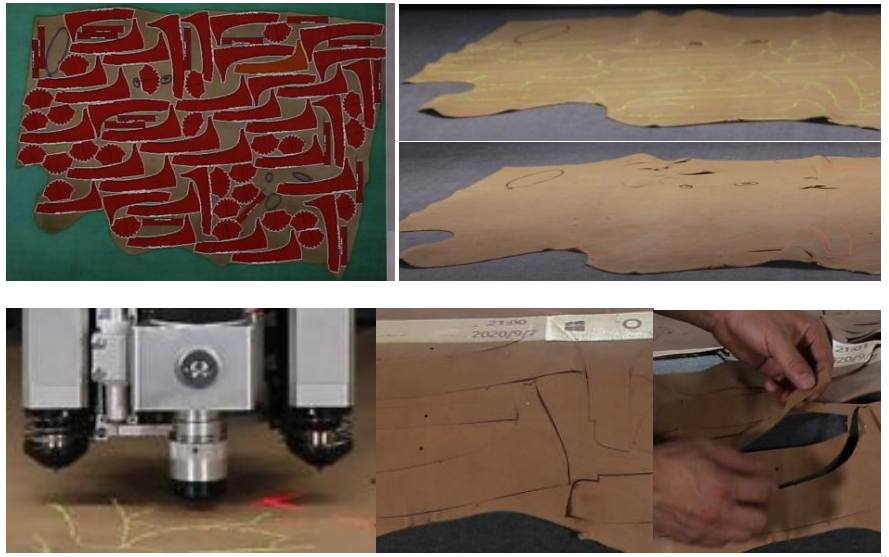
ITS Genuine Leather Smart Nesting Cutting

ITS真皮智能排版切割

智能识别材料轮廓、瑕疵
Intelligent recognition of material contours and defects



KC-1625TT
真皮加工机型
Genuine Leather process model
切割面积 Cutting Area:1600*2000mm



双头双轨投影预览定位切割，切面平整无毛边。
Double rail twin heads projection preview positioning cutting, the cut surface is smooth and no burrs.

Footwear Sample Room

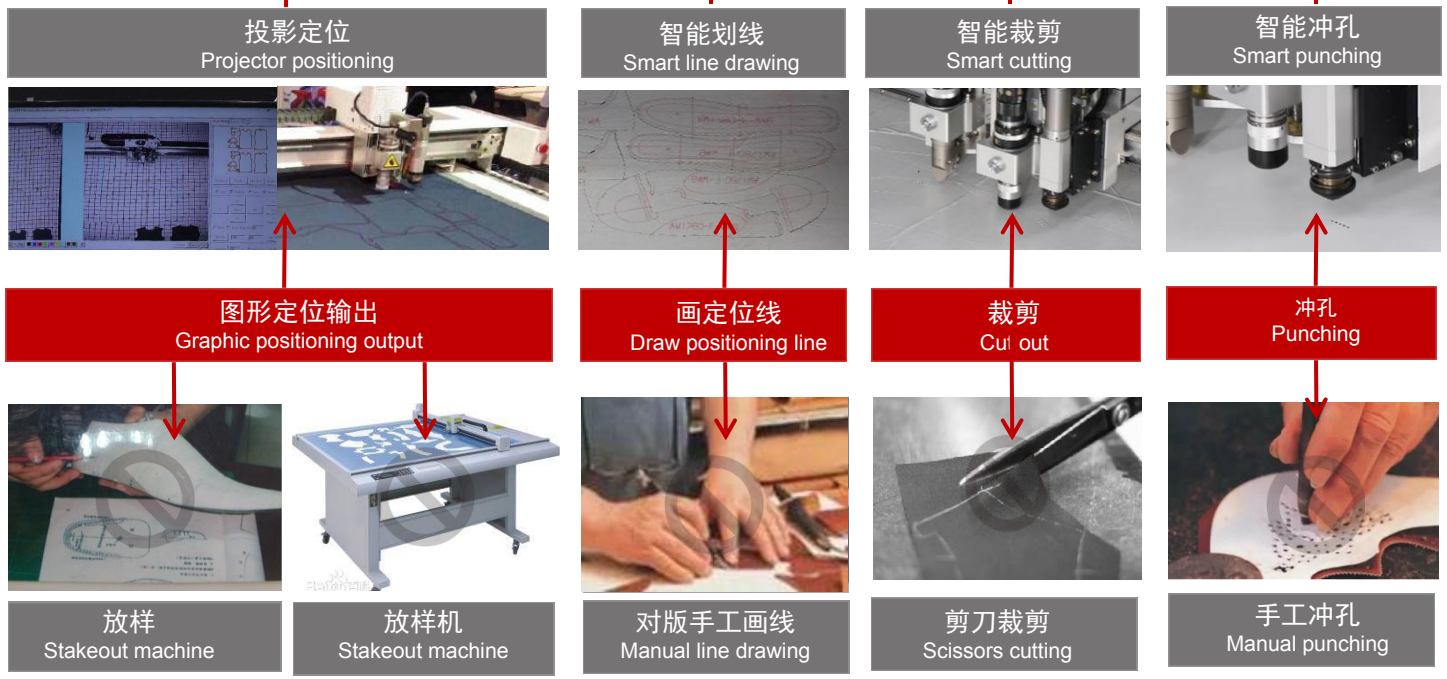
制鞋样板室 KC-1612-P
Revolution of Board Room

代替板房、唛架、放样机、剪刀剪布料、冲孔
Replace board room, marker, stakeout machine, scissors cut fabric, punching



KC-1612-P

数字刀片切割系统，一次输出，多工序一次性完成
Digital knife cutting system, one time output, multiple processes can be completed at same time



Laser Cutting

激光切割



CH1812TT-AT-HD-SCCD

视觉识别双轨双头异步激光切割机
Double rail twin head async laser cutting machine with visionscan

数码印花裁片
Cut a piece on digital printing



CH1610T-AT/CH1610T/ CH1610T-P

双头高速自动送料激光切割机
Double head high speed automatic feeding laser cutting machine

散边材料（网布及镂空）
Scattered edge material
(mesh & hollow out)

Digital Printing Upper Vision Positioning Cutting

数码印花鞋面摄像定位激光切割

视觉识别定位切割（数码印花鞋面、编织鞋面、网布鞋面）及散边材料。
Visual recognition positioning cutting (digital printing vamp, woven vamp, mesh vamp) and loose edge materials



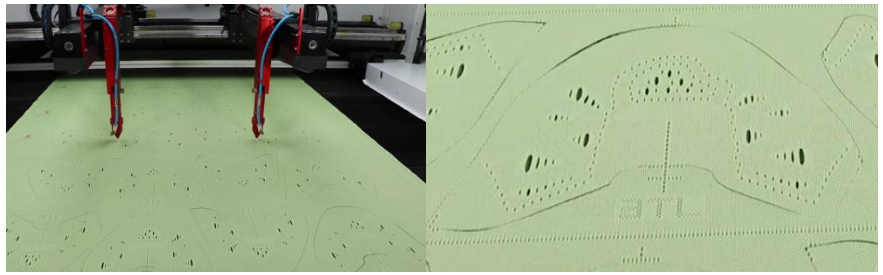
CH1812TT-AT-HD-SCCD

视觉识别双轨双头异步激光切割机
Double rail twin head async laser cutting machine with visionscan

切割面积 Cutting area:
1800*1200mm



快速大面积智能识别视觉提取轮廓，沿边切割。
Large area camera positioning rapidly, automatic extraction of contour, edge cutting.





视觉匹配对位，统一标准化精细切割，不散边。
Visual matching, Unified standard with high precision cutting, without edge loosing.

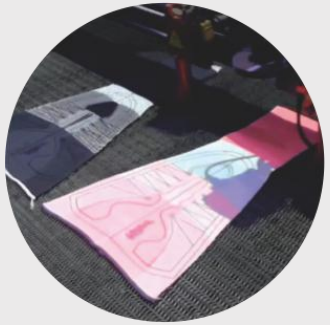
Projection Positioning Cutting Flying Upper

投影定位切割飞织鞋面

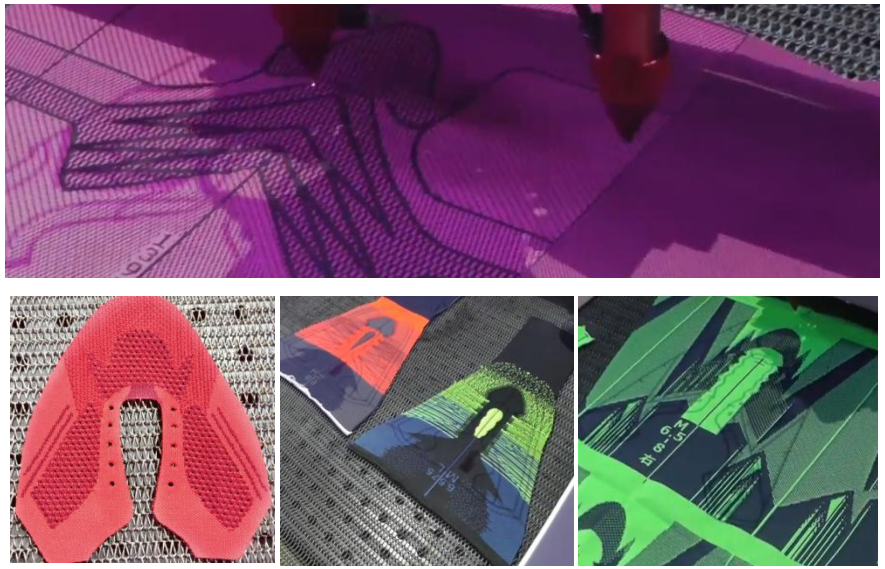
投影定位双头激光切割机
Projection positioning double-head laser cutting machine



CH1610/ CH1610T-P



投影预览定位-方便,快捷
Projection preview positioning - convenient, efficient



速度快，面积大，可实现切割和雕刻功能，不黄、不黑、不焦边
High speed, large cutting area, to achieve cutting & engraving needs, Cutting with no burnt no yellow edge

Auto Feeding and Cutting of Edge Loosing Materials (Mesh & Hollowing)

自动送料切割散边材料（网布及镂空）

自动送料鞋面激光切割机
Automatic feeding shoe upper laser cutting machine



CH1610T-AT/CH1610T



操作简单方便，数字控制技术
User-friendly operating platform, advanced DSP digital control technology,





速度快，面积大，可实现切割和雕刻功能，不黄、不黑、不焦边
High speed, large cutting area, to achieve cutting & engraving needs, Cutting with no burnt no yellow edge

Laser Process

激光工艺



H3D-180-CCD

视觉识别高速打标机
VisionScan high speed laser marking machine

挂钉打孔&镂空、打标、切割
Hanging nail punching & hollowing, marking, cutting



CO2-F30A

鞋底在线激光打码机
Online laser code marking for sole

鞋底打码标记
Sole code marking

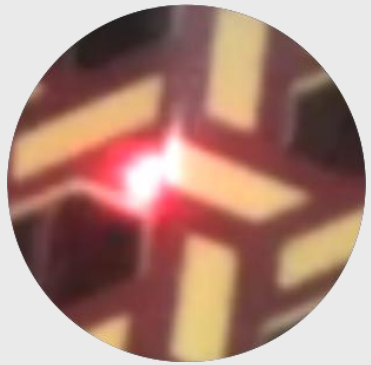
Fashion Women's Shoes Hollowing, Perforating

时尚女鞋镂空、穿孔

高速激光打标机
High speed laser marking cutting machine



H3D-320



无耗材、永久标记
No consumables, permanent marking









不黄边，不焦边，无异味
No yellow, no burrs, smell free

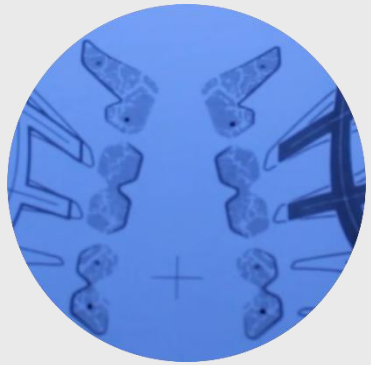
Perforating & Hollowing, Marking And Cutting

挂钉打孔&镂空、打标、切割

视觉识别高速激光打标机
High speed laser marking cutting machine

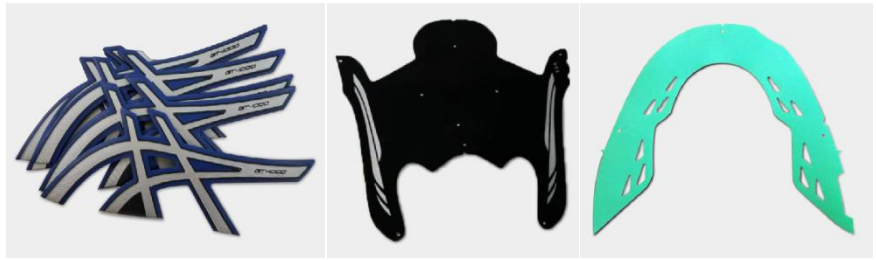


H3D-180-CCD



自动提边，自动识别挂钉孔
Automatic contour extraction edge,
automatic identification of nail hole





一次性完性完成打孔、镂空、打标、切割
Achieve perforating & hollowing, marking and cutting

Sole Code Laser Marking

鞋底打码标记

鞋底在线激光打码机
Sole code online laser marking machine



CO2-F30A



自动跳码，任意图形标记
Automatic coding, any patterns marking





无耗材（免油墨），永久标记（杜绝篡改）
No consumables (free ink), permanent marking (to prevent tampering)

Smart Vamp Line Drawing System

智能鞋面画线系统

适用于量产 / 多种材料、多部件可同时印线
Suitable for mass production, Multiple materials and parts can be printed at one time.



LA-CN1080SCCD-AT

自动喷线机
Automatic line drawing machine

工作面积Processing Area:850*500mm



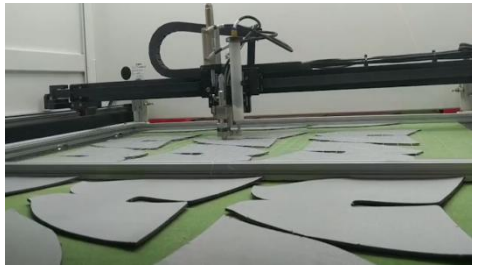
LA-CH1610TT-AT-SCCD

双头异步自动喷线机
Double-head async automatic line drawing machine

工作面积Processing Area:1500*700mm







多图形一键自动生成模板，快速换模，减少操作步骤。
Multi-design, one-key automatic template generation, changing mold quickly , reducing steps of operating.

Line Drawing and Cutting System Integrated

喷线、切割一体化系统

切割、印线一机完成

Cutting, Line drawing finished in one machine



CN1080-LA

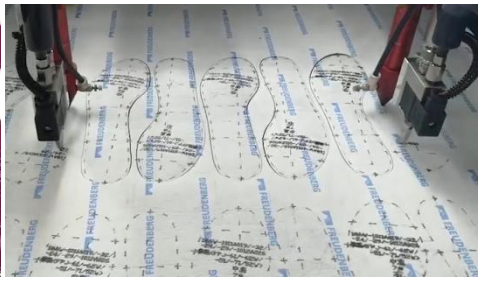
自动喷线切割机

Automatic line drawing cutting machine

工作面积Processing Area:760*600mm







多样画线，不同形状可同时画线与切割。

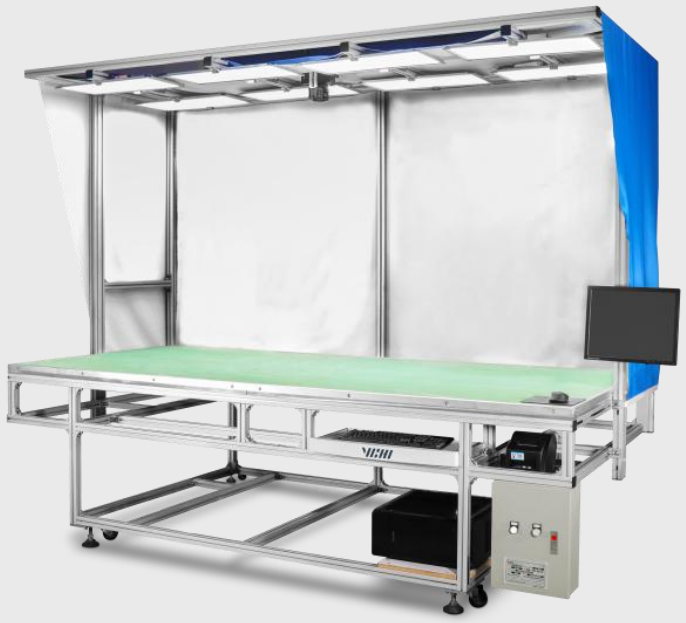
Various of line drawing, different shapes can be drew and cut at the same time.

ITS Smart Nesting System

ITS智能排版系统

具备主动反馈数据功能的真皮排版系统

Genuine leather nesting system with function of active feedback data



ITS2-2014

加工面积Processing Area:

2000*1400mm





智能识别材料轮廓、瑕疵、自动排版，双投影即时预览排版效果。

Smart recognition of material outlines, defects, automatic nesting, double projection real-time preview of nesting effect.

After-sales Service

售后服务

Regular visits to the factory (technical support and training, maintenance), Headquarters technical exchanges and training services

定期回访工厂（技术支持及培训、维护保养），技术交流及培训服务



VCHI LASER INC.
江西省微驰激光科技有限公司
地址：江西省九江共青城市高新制造产业园10号厂房



Worldwide
全球服务