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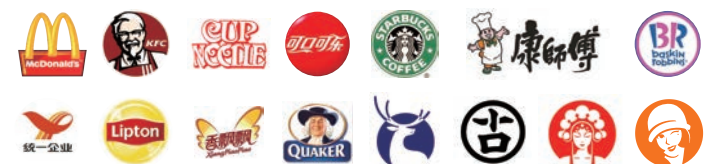
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NewTop 新德宝

新德宝智能纸杯机 工作原来如此简单

NEWTOP INTELLIGENT PAPER CUP MACHINE,
MAKE THE WORK SO SIMPLE!



国家纸杯机标准制订者
CHINA PAPER CUP MACHINE INDUSTRY STANDARD-SETTER



2026-4版

NEWTOP INTELLIGENT PAPER CUP MACHINE

浙江新德宝机械有限公司

国家高新技术企业  国家级专精特新“小巨人”企业 

浙江新德宝机械有限公司前身是“瑞安市德宝纸杯机械制造有限公司”，成立于2001年，2009年升级为“浙江新德宝机械有限公司”，是一家集软硬件研发、制造、营销于一体，行业技术领先的新饮食纸容器成型装备智能化、数字化工厂的供应商。公司占地约58亩，建筑面积9万余平方米；现有员工600余人，拥有各类专业和高级技术职称人员近50人。新德宝人始终以求高品质与技术领先为理念，为客户创造更高的价值而持续努力，用智能设备改变工作方式，使操作越来越简单。

新德宝的团队精干、专注、富有工匠精神。我们专注于食品包装容器设备领域20余年，注重团队建设及人才培养体系，打造刻苦钻研的技术研发梯队，以自我超越、努力深耕的态度，凭借勤奋专注精湛的工匠精神，成就新德宝人技术领先、品质第一的理念，为客户提供5年的产品质量保证。现已研发成功的智能高速纸杯成型机+视觉检测+外贴+自动包装的智能型生产系统，为全球首创。

我们致力于纸杯工业4.0的研发，为客户提供全方位全系统最佳组合的整体解决方案，力求打造智能化无人车间、信息化物联网+、数字化管理系统。

新德宝的加工设备配置世界一流。公司目前配备了众多国际知名品牌的多轴联动（车铣复合-TURNMILLING COMPOUND）CNC数控加工设备，如德国德马吉（DMGMORI）、美国哈挺（HARDINGE）、韩国斗山（DOOSAN）、日本马扎克（MAZAK）、津上（TSUGAMI）等；同时实验室配有德国蔡司（ZEISS）三坐标、德国斯派克光谱仪、德国欧美伽对刀仪等等检验设备，提高了加工零件的检验精度，保证了纸杯机整体的可靠性，运行的稳定性和成型的高精度，从而使机器品质达到世界一流的标准。

经过二十年的刻苦钻研，新德宝已获得200多项专利，发明专利48项，软件著作权77项，并通过多项管理体系认证，其中包括：ISO9001：2015国际质量体系认证、ISO14001：2015环境管理体系认证、ISO45001:2018职业健康安全管理体系认证、GB/T29490：2013知识产权管理体系认证，且产品均通过欧盟CE认证。

凭着多年的努力，新德宝陆续荣获：『国家高新技术企业』、『国家级专精特新“小巨人”企业』、『国家级知识产权优势企业』、『国家火炬计划产业化示范项目』、『浙江省科学技术成果奖』、『浙江省专利示范企业』、『浙江制造认证证书』（品字标认证）、『浙江省第一批制造业“云上企业”』、『浙江省数字化车间』、『浙江省企业研究院』、『浙江省制造业单项冠军培育企业』、『浙江省企业技术中心』、『浙江省首批企业数据官试点企业』、『温州市高成长型工业企业』、『温州市“最美工厂”』、『平阳县工业经济高质量发展三十强企业』等诸多荣誉，成为国内行业技术领先的新饮食智能包装纸容器设备专业制造商。

新德宝的客户遍布世界各地，包括美国、德国、意大利、英国、韩国、东南亚及中东地区等等。众多知名餐饮品牌，如：星巴克（STARBUCKS）、可口可乐（COCACOLA）、麦当劳（MCDONALD'S）、瑞幸（LUCKIN COFFEE）、霸王茶姬、古茗、蜜雪冰城、康师傅、白象等公司的供应商，均选择新德宝的设备，并与新德宝建立长期的战略合作伙伴关系。

新德宝人将一如既往地勤勉奋进，打造世界一流智能食品纸容器包装设备的初心始终不会更改，我 我们只做一件事：把智能设备做到完美极致！用上就爱上，新德宝智能设备，工作原来如此简单！



www.debaochina.com

ZHEJIANG NEW DEBAO MACHINERY CO.,LTD.

NATIONAL HIGH-TECH ENTERPRISE  NATIONAL SPECIALIZED NEW“LITTLE GIANT” ENTERPRISES 

Zhejiang New Debao Machinery Co., Ltd. was formerly known as “Ruian Debao Paper Cup Machinery Manufacturing Co., Ltd.”, established in 2001. In 2009, it was upgraded to “Zhejiang New Debao Machinery Co., Ltd.”, which is a leading supplier of intelligent and digital factories for the production of new-generation paper containers for the food industry, specializing in the research, development, manufacturing, and marketing of both hardware and software solutions. The company covers an area of about 58 acres, with a construction area of more than 90,000 square meters. There are more than 600 employees, including nearly 50 people with various professional and senior technical titles. NewTop people pursue the concept of high quality and technology leading, strive to create higher value for customers. By changing the working mode with intelligent paper cup machine to make the operation more and more simple.

The team of NewTop is lean, dedicated and full of artisanship spirit. We focus on the field of paper cup machine for 20 years, concentrate to team building and personnel skill training system, create a R&D team of hard-working; with self-transcendence, hard-working attitude, relying on the spirit of diligence and dedicated craftsmen, to achieve the New Debao people have concept of technology leading and quality first. Based on this, we proudly provide customers with five years of quality guarantee. Now we have successfully developed an intelligent high-speed paper cup forming machine + visual inspection + sleeve insert + automatic packaging intelligent production system, which is the first in the world.

We are committed to the research and development of paper cup making industry 4.0, providing customers with a comprehensive system of the best combination of the overall solution; aiming to build intelligent unmanned workshop, information Internet of Things+, digital management system.

Our processing equipment are equipped with world-class CNC multi-axis Turning-Milling compound, such as DMG MORI, Hardinge, Doosan, TSUGAMI, Mazak, OKUMA and so on. The laboratory is equipped with Zeiss 3D coordinate detector, Mitutoyo roughness measuring instrument, profilometer and other inspection equipment, to achieve the accuracy of inspection for machine parts. These ensure the overall reliability, stability of running and high precision of paper cup machines, to enable the machine to achieve world-class product standards.

After over 20 years concentrate on research, NewTop has gained more than 200 patents and 77 software copyrights; the Enterprise has passed ISO 9001: 2015 International Quality System Certification, ISO 14001: 2015 Environmental Management System Certification, OHSAS 18001: 2007 Occupational Health and Safety Management System Certification, GB/T 29490: 2013 Intellectual Property Management System Certification, and all Products are certified by CE.

With years of efforts, we have the honor to get "National High-tech Enterprises", "National Torch Plan Industrialization Demonstration Project", "Provincial Famous Export Brand", "Provincial 'Specialized, Fined, Peculiar and Innovative' Enterprise", "Provincial Science and Technology Achievement Award", "Provincial Patent Demonstration Enterprise", "Made-in-Zhejiang Certification", "The First Batch of Manufacturing 'Cloud Enterprises' in Zhejiang Province", "Zhejiang Digital Workshop", "Zhejiang Enterprise Research Institute", "Zhejiang Province Manufacturing Single Champion Cultivation Enterprise", "Zhejiang Enterprise Technology Center", "Zhejiang Province First Batch of Enterprise Data Officer Pilot Enterprises", "Wenzhou High-growth Industrial Enterprise", "Wenzhou Most Beautiful Factory", "Pingyang County Industrial Economy High-quality Development Top 30 Enterprises", becoming the leading professional manufacturer of intelligent paper container machines in the industry.

Our customers are all over the world, including the US, Germany, Italy, the UK, South Korea, Southeast Asia, and the Middle East. They are making paper cups or bowls with themachines of NEWTOP, supplying to Starbucks, Coca-Cola, McDonald's, Luckin Coffee, Chagee, Good me, Mixue Ice Cream & Tea, Master Kong, bai xiang and other famous enterprises.

NewTop will continue to work diligently to build the world's first-class intelligent paper cup machinery. We will never forget why we started and we will never change. We only do one thing: to make the smart equipment perfect! You will love it when you use it, NewTop Intelligent Paper Cup Machine, makes the work so simple!

新德宝只做一件事： 把智能纸杯机做到完美极致！

Newtop strive only for excellent in making smart paper cup machine

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我，我们在智造世界上 最高品质的智能纸杯机

We make the highest quality & Intelligent machine in the world

- HORIZONTAL HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- 定制选择方案
- 工艺流程图
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- SERVO PAPER CUP MACHINE
- SERVO PAPER CUP MACHINE
- SERVO PAPER CUP MACHINE
- HORIZONTAL HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- 卧式机工艺布局
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- SERVO PAPER CUP MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
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- HIGH SPEED INTELLIGENT PAPER CUP MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP SLEEVE MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP SLEEVE MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP SLEEVE MACHINE
- HIGH SPEED INTELLIGENT PAPER CUP PACKING MACHINE
- INTELLIGENT PAPER CUP ENCASING MACHINE
- PAPER CUP ENCASING MACHINE
- HIGH SPEED PAPER CUP RIM FLATTENING MACHINE
- PAPER CUP AL VISUAL INSPECTION MACHINE

- 机型标配及选配表
- 5S服务体系
- 企业荣誉
- 我们的客户
- 客户工厂展示
- 企业文化
- 生产车间

NEWTOP INTELLIGENT PAPER CUP MACHINE,
MAKE THE WORK SO SIMPLE!

加工技术领先

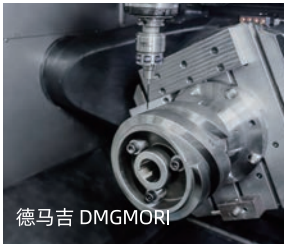
Machining Leading Technology



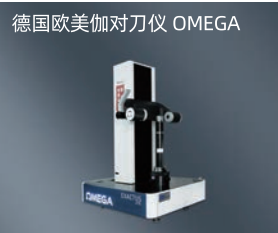
马扎克 MAZAK



德马吉 DMGMORI



德马吉 DMGMORI



德国欧美伽对刀仪 OMEGA



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NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-258S

HORIZONTAL HIGH SPEED INTELLIGENT PAPER CUP MACHINE

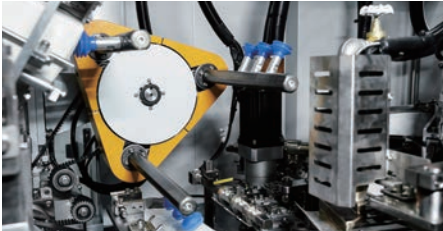
卧式高速智能纸杯机



三工位卷口部分
TRIPLE CURLING STATIONS



卧式模具安装
HORIZONTAL MOULD INSTALLATION



旋转送纸部分
ROTRAY PAPER FEEDING STATION

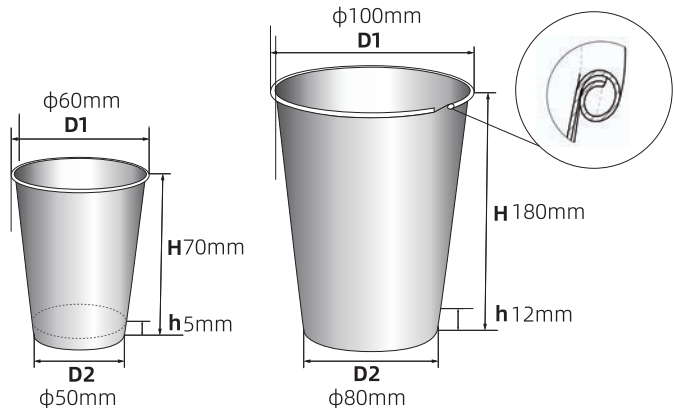


一体式冲底成型机构
INTEGRATED BOTTOM PUNCHING MECHANISM

The horizontal high-speed intelligent paper cup machine is an intelligent machine with high load, high rigidity, high precision, high speed and perfect integration of machinery and servo. It obtained the American patent (certificate No.: US 11241857B2) on Feb. 8, 2022. In 2016, NewTop company set up a team to focus on the R&D of the horizontal high speed machine, examined, evaluated and selected plan. Overall design started in 2017 and the trial production was planed to be put into production in 2018. With the support of Master Kong Instant Noodle Production Technology Center, the horizontal bowl machine is required to be delivered for use in 2020. In June 2019, the test run of the first horizontal paper cup machine was completed. In September of the same year, the test run of the paper cup machine was successful, with the production rate reaching 170psc/min. In August 2020, the first “998 paper bowl production line” was delivered for use in Master Kong's Nanjing Hekang Factory. Over 200 million paper bowls have been produced in 3 years, yet the equipment is still in good condition so far, and the production rate remains the same.

卧式高速智能纸杯机，它是一款智能化、重载高刚性，高精度、高速度，机械与伺服完美融合的智能机器，2022年2月8日荣获美国专利（证书编号US 11241857B2）。在2016年，公司立项组建团队，研发卧式高速机，考察评估规划选定方案；2017年开始整体设计；2018年投产试制，在康师傅方便面生产技术中心的大力支持下，要求卧式面碗机在2020年交付使用。2019年6月第一台卧式纸杯机试机完成，同年9月份纸碗机试机成功，机器每分钟生产速度达到170只。2020年8月第一条“998纸碗生产线”交付使用，在康师傅南京禾康工厂生产，在3年时间里生产已累计超过2亿只的纸碗，至今设备完好无损，且速度仍保持在每分钟生产170只。

型号	Model	NEWTOP-258S
重量	Weight	7500 kg
机器装箱规格	Machine encasement dimension	3300 x 2140 x 2250mm
额定功率	Rated power	Three-phase, 380V, 55KW
压缩空气	Compressed air	0.5-0.7 MPa, 0.5 m³/min
最大产能	Max Capacity	260 pcs/min
纸杯材料	Paper materials	Single PE / double PE / PLA
纸张厚度	Paper thickness	0.295-0.47mm
纸杯/纸碗规格	Product range	(D1) φ60-100mm (H)70-180mm (D2) φ50-80mm (h)5-12mm



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扫码观看258S机器视频

新德宝智能纸杯机，工作原来如此简单！
db@debaochina.com

MAX
260
PCS/MIN



NEWTOP-258S



卧式机系列

HORIZONTAL MACHINE SERIES

品质保证
WARRANTY



卧式机的优点 ADVANTAGES OF HORIZONTAL MACHINES

- 它的工艺流程布局，是以平行传动的方式组成克服了上下运动惯性，传动力学性能相比更平衡，以高精度高速共轭凸轮为主，每工序独立成型，工位承载量大、刚性强。理论设计传动每分钟可达1000次，在材质热处理工艺、精加工母机、测量仪器设备、加工技术工艺、装配流程等方面均采用最高标准，同时要求工厂体系化管理，其重载高刚性，高精度、高速度的性能优势尤其适用于生产高克重纸杯。
- 纸杯生产工艺流程，分别由三转台协同完成，纸杯成型稳定可靠。从①吸纸+②开牙转盘送纸加热+③杯夹粘合+④加热杯底滚花+⑤杯口成型，每道工序可控稳定，比立式机生产工序简单可靠，减少了百分之八十以上的故障率，提升了纸杯的品质和产量。
- 纸杯四工位中缝压压粘合，同速度时间对比是立式机的7倍以上，中缝粘合品质好，杯口圆度好。
- 杯底滚花总成高强度，恒压式滚花压力是立式机两倍以上，滚花轮360度传动双轴承机构的寿命是立式机的十倍，有效减少接缝渗漏。
- 高刚性三道卷边，第一道预卷倒角，第二道预卷11点钟左右，第三道加热定型卷边到1点钟方向，使杯口紧闭配盖尺寸稳定。
- 电控系统采用原版进口德国倍福高速运动控制器系统、Ethercat高速总线通讯，提供以太网Ethenet信息数字化提取窗口和支持机器与工厂的信息部ERP数据接口。物联网触摸屏可远程软件升级，辅助设备故障诊断，配备新德宝第六代智能操控系统，导航式软件操作系统。

*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.



NEWTOP INTELLIGENT PAPER CUP MACHINE

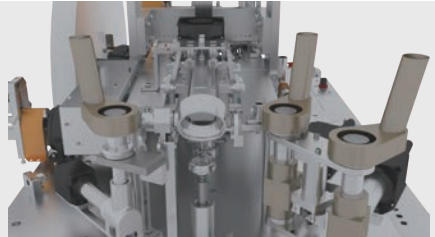
NEWTOP-168S9

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

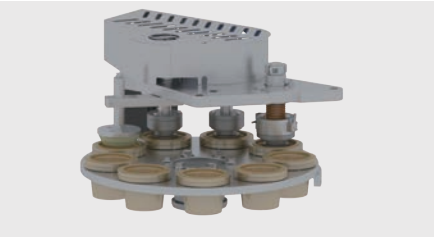
高速智能纸杯机



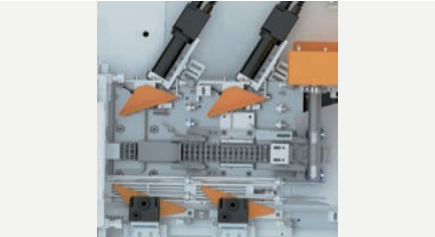
滚花伺服电机
SERVO MOTOR FOR KNURLING



杯底三热风
TRIPLE HOT AIR



九工位母模+三工位卷口
NINE-STATION FEMALE MOLD+TRIPLE CURLING STATIONS

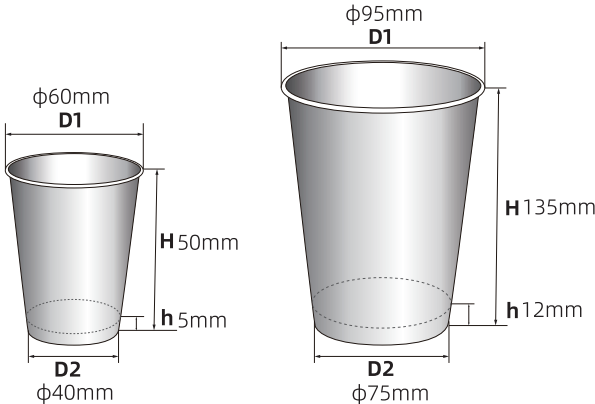


双工位四热风
DUAL STATION FOUR HOT AIR

NEWTOP-168S9 high-speed intelligent paper cup machine, the main machine is the upgraded model of NEWTOP-138S, which cleverly separates the transmission and actuator. The design of transmission adopts "one horizontal and two vertical" dynamic axis layout, while the actuator adopts in-line suction feeding and cup forming technology, combined with the double turntable layout of 10-station male mold and 9-station female mold, realizing multi-station (≥3) for crimping, which makes the paper containers with stable forming dimensions, high crimping rate, and strong adaptability of paper. The model has flexible configuration and various options to meet different needs of customers: optional visual inspection system is available to reject defective products. The machine is suitable for the production of 5-16oz high grams, high-end brand cold/hot paper cups, such as Luckin Coffee, MIXUE, CHAGEE and other brands of coffee cups, milk tea cups.

NEWTOP-168S9型高速智能纸杯机，其主机是NEWTOP-138S机型升级款，巧妙地将传动与执行机构分开。传动机构的设计采用了“一横二纵”的动轴布局，而执行机构则采用了直列式的吸送纸与杯筒成型技术，结合10工位公模与9工位母模的双转盘布局，实现了卷边多工位（≥3），让纸容器成型尺寸稳定，卷曲率高，纸张适应性强。该机型配置灵活，选择多样，可满足客户的不同需求：可选配视觉检测系统以剔除不良品。适合生产5-16OZ的高克重、高端品牌冷/热纸杯，如瑞幸、蜜雪冰城、霸王茶姬等品牌咖啡杯、奶茶杯。

型号	Model	NEWTOP-168S9
重量	Weight	3600kg
机器装箱规格	Machine encasement dimension	3100x1600x2100mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,38KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	168pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.295-0.445mm
纸杯规格	Product range	(D1) φ60-95mm (H)50-135mm (D2) φ40-75mm (h)5-12mm



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扫码观看168S9机器视频

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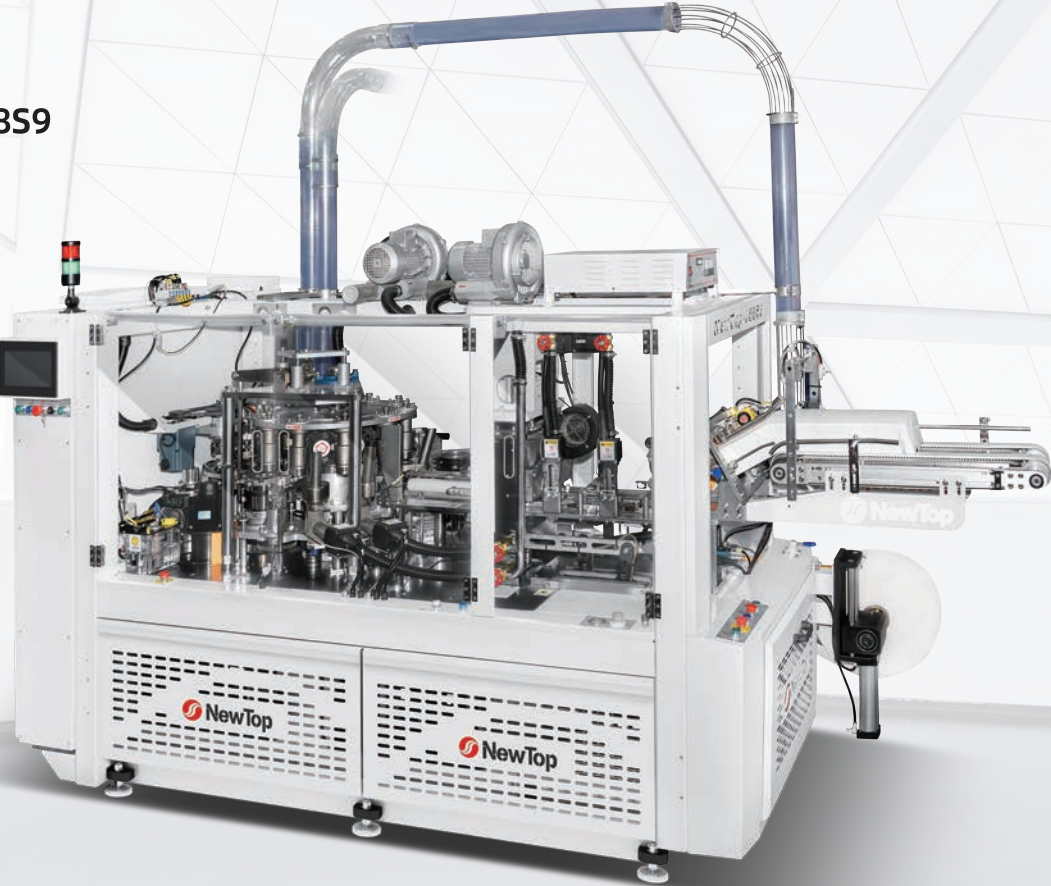
MAX
168
PCS/MIN

NEWTOP-168S9

Cloud

e

APP



纸杯机系列
PAPER CUP MACHINE SERIES

品质保证
WARRANTY



适合生产5-16oz的高克重、高端品牌冷/热纸杯，如瑞幸、蜜雪冰城、霸王茶姬等品牌咖啡杯、奶茶杯。



- 2025年6月NEWTOP-168S9全新机型上市，是新德宝在智能制造和多样化客户需求方面的重要突破与延伸。NEWTOP-168S9延续新德宝一贯的高品质、高性能、高可靠性，并在配置上提供高度灵活性，支持多种外框、多样化控制系统、侧边热风配置以及滚花控制等组合方案，全面满足客户定制化需求。为客户量身打造更契合的解决方案，真正实现“一机多配、精准匹配”的智能制造理念，其选型包括：
- ①弧型门、平开门、展翼门三种外框，用户可根据实际生产需求及场地限制，灵活选择合适的外框类型，以满足效率和安全性的双重需求。
 - ②可选配施耐德运控系统（MOTION CONTROL），令整机运行更加稳定、节能；也可选配汇川运动控制（MOTION CONTROL），该系统具备高速、高精、多轴控制等优点；标配施耐德可编程逻辑控制器（PLC），扩展性灵活。
 - ③可选配伺服电机滚花，比普通电机滚花多2卷效果，使底部粘合更加牢固。
 - ④可选配超级滚花总成结构，是普通滚花轮更换轴承寿命的十倍，压力输出更加稳定。
 - ⑤可选配双工位四道热风系统，采用渐进式加温技术，使得热传递更加柔和，使中缝粘合效果更佳。
 - ⑥三道卷边，使卷边角度可达450°以上。
 - ⑦自动喷雾功能，使卷边更圆润。

*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

NEWTOP-168S9 定制选择方案

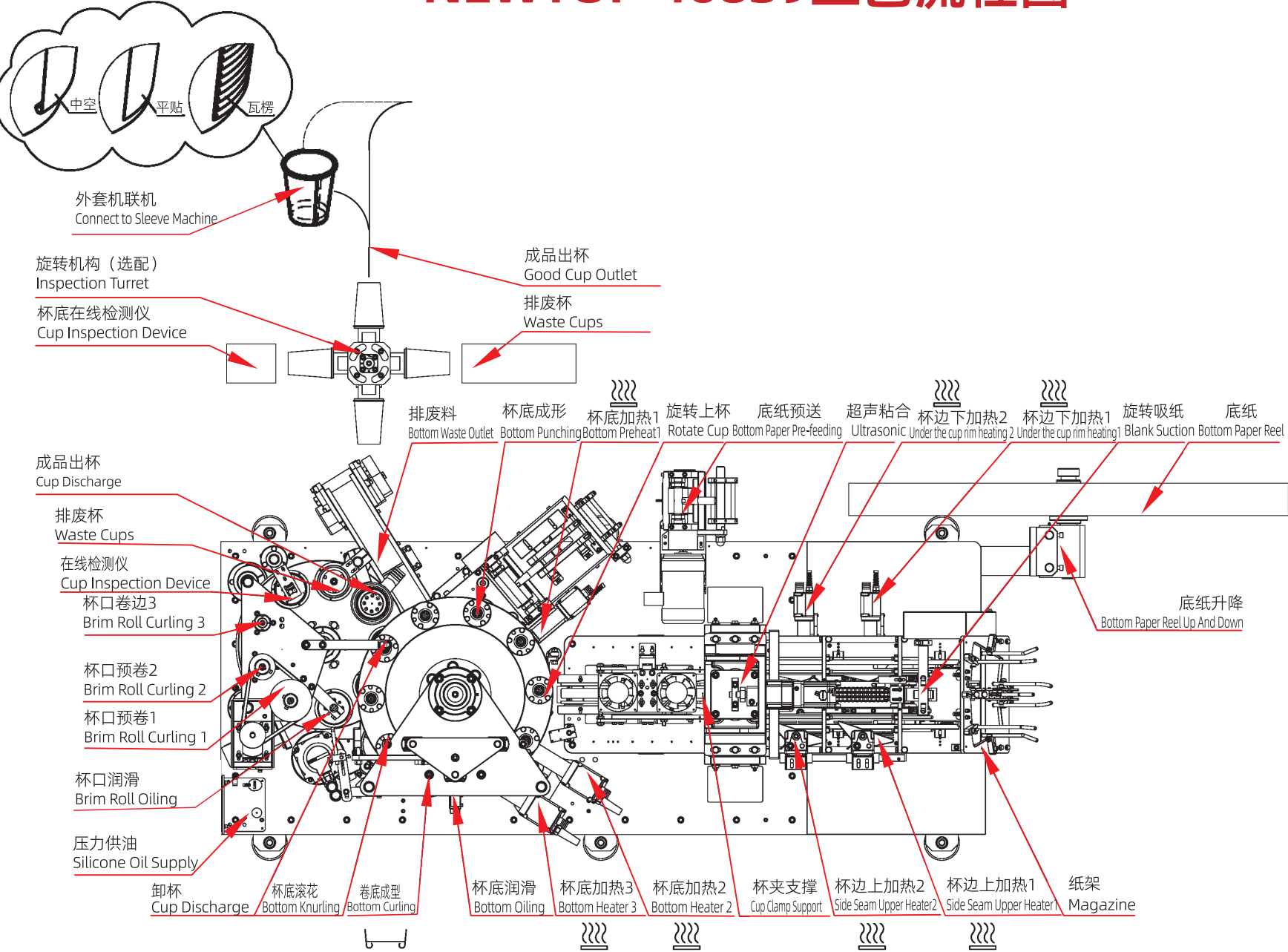
序号	配置	图例		
01	外框 FRAME			
		平开门	展翼门	圆弧门
02	系统 SYSTEM			
		施耐德运控系统（MOTION CONTROL）	汇川运控系统（MOTION CONTROL）	施耐德PLC
03	侧边热风 LATERAL HOT AIR OUTLET			
		双工位四道热风	单工位两道热风	
04	滚花控制电机 MOTOR FOR KNURLING OPERATION			
		伺服电机滚花控制	普通电机滚花控制	
05	超声波驱动 ULTRASONIC DRIVE			
		伺服驱动	机械凸轮	

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

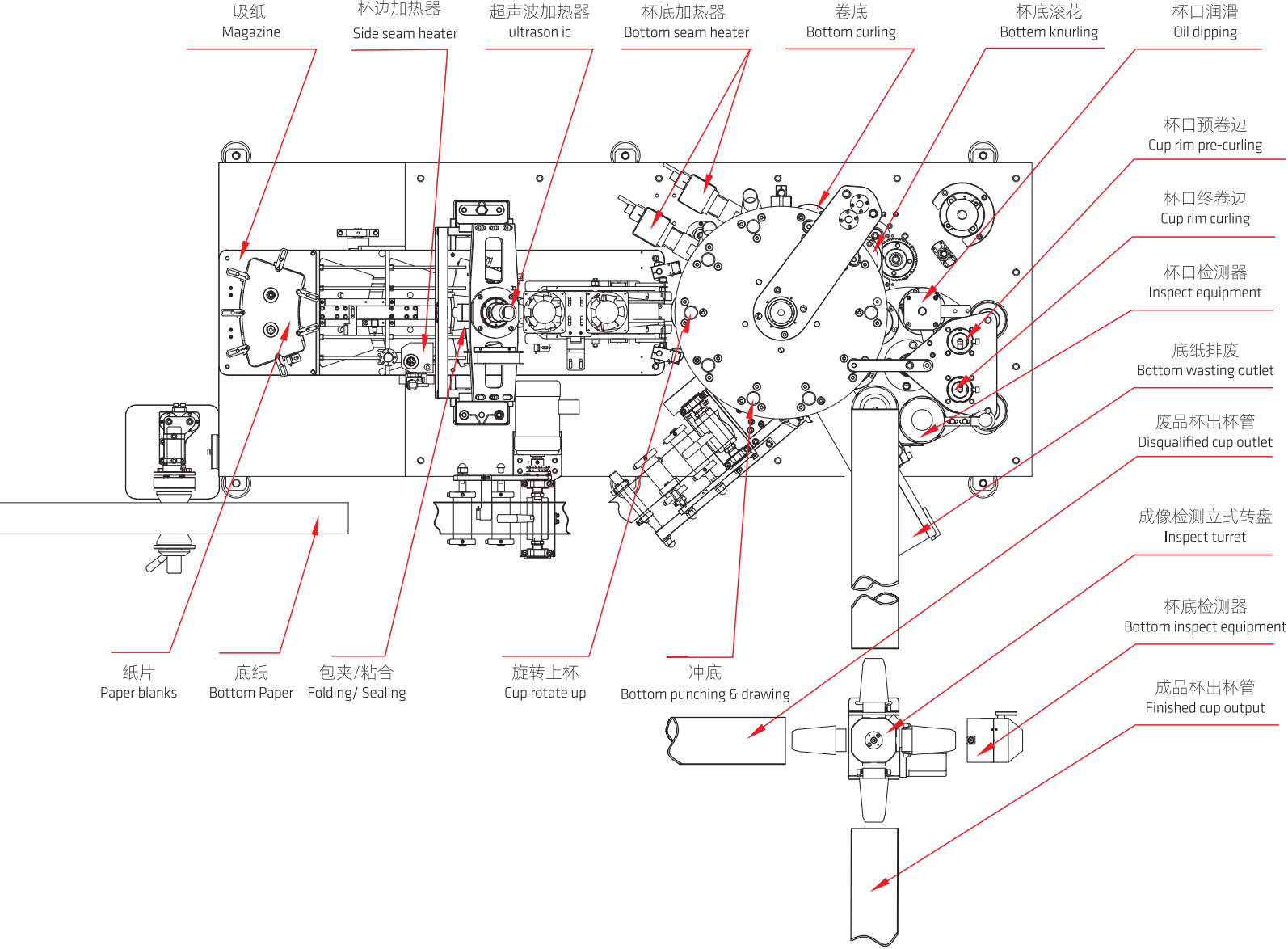
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MAKE THE WORK SO SIMPLE!

NEWTOP-168S9工艺流程图



PAPER CUP FORMING PROCESS
纸杯成型工艺流程



- 吸纸
BLANK SUCTION
- 杯边加热
SIDE SEAM HEATING
- 包夹 / 粘合
FOLDING / SEALING
- 送底
BOTTOM INSERT
- 底部加热1
BOTTOM HEATING 1
- 底部加热2
BOTTOM HEATING 2
- 卷底
BOTTOM CURLING
- 滚花
BOTTOM KNURLING
- 蘸油
OL DIPPING
- 预卷
TOP CURLING*1
- 终卷
TOP CURLING*2
- 出杯
PAPER CUP OUTPUT

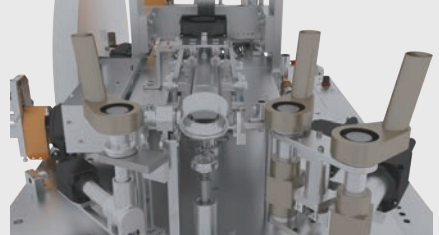
NEWTOP-168C

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

高速智能纸杯机



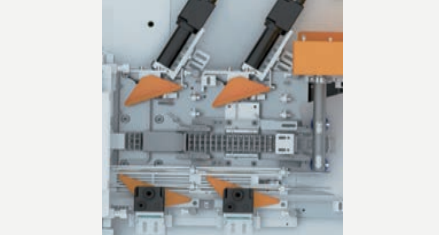
滚花伺服电机
SERVO MOTOR FOR KNURLING



杯底三热风
TRIPLE HOT AIR



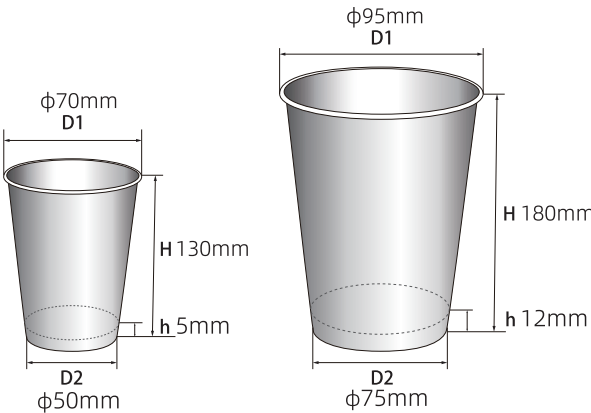
九工位母模+三工位卷口
NINE-STATION FEMALE MOLD+TRIPLE CURLING STATIONS



双工位四热风
DUAL STATION FOUR HOT AIR

The NEWTOP-168C high speed intelligent paper cup machine features a completely redesigned main unit based on the NEWTOP-168S9, utilizing a "transmission-execution" separation architecture and a "one horizontal, two vertical" motion axis layout. The execution mechanism employs rotary paper suction combined with a linear feeding mechanism, a servo-driven ultrasonic cup body forming mechanism, and a dual turntable layout with a 10-station cup bottom forming turntable and a 9-station cup mouth forming turntable, enabling multiple process steps from sheet material to finished product. The rimming process uses multiple stations (≥ 3) to ensure consistent cup mouth dimensions and perfect rimming, easily handling various high-grammage papers. This model offers flexible configuration options to meet diverse customer production needs: an optional vision inspection system is available for strict quality control. It is suitable for producing high-grammage, high-end brand cold/hot paper cups ranging from 16-22oz, such as coffee cups and milk tea cups for brands like Luckin Coffee, Mixue Ice Cream & Tea, and CHAGEE.

型号	Model	NEWTOP-168C
重量	Weight	4000kg
机器装箱规格	Machine encasement dimension	3100x1600x2100(2250)mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,38KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	138pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.345-0.445mm
纸杯规格	Product range	(D1)φ70-95mm (H)130-180mm (D2)φ50-75mm (h)5-12mm



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MAX
138
PCS/MIN

NEWTOP-168C



适合生产16-22oz的高克重、高端品牌冷/热纸杯，如瑞幸、蜜雪冰城、霸王茶姬等品牌咖啡杯、奶茶杯。

纸杯机系列
PAPER CUP MACHINE SERIES



品质保证
WARRANTY



2025年11月NEWTOP-168C全新机型上市,是新德宝在纸容器成型设备的智造与客户定制需求方面的重要突破与延伸。该机型秉承新德宝一贯的高品质、高性能与高可靠性基因，通过模块化架构设计，实现外框、控制系统、热风配置及滚花工艺的灵活组合，为不同场景客户提供“一机多配、精准匹配”的定制化解决方案,其选型包括：

①三种外框结构：弧型门、平开门、展翼门三种外框，用户可适配多样化生产空间,灵活选择合适的外框类型,实现高效与安全生产。

②电机类型:可选配伺服电机滚花，比普通电机滚花多2圈效果，使底部粘合更加牢固。

③热风系统：可选配双工位四道杯边热风系统，采用渐进式加温技术,实现柔和均匀的热传导，优化中缝粘合效果。

④滚花工艺：根据杯子尺寸可适配超级滚花总成结构，是普通滚花轮更换轴承寿命的十倍，压力输出更加稳定。

⑤三重卷边技术:三道卷边，使卷边角度可达到450°以上。

⑥自动喷雾辅助：自动喷雾功能，使卷边更圆润。

⑦变频热风技术：实现停机降温节能。

*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

NEWTOP-118S+SY

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

高速智能纸杯机

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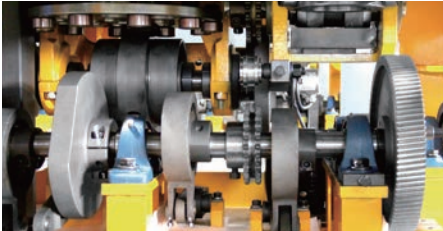
扫码观看118S+SY机器视频



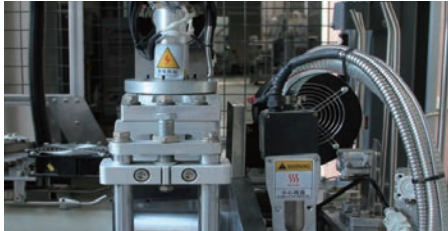
冲底部分
BOTTOM PUNCHING & DRAWING



双工位卷口部分
DOUBLE CURLING STATION



机械传动部分
MECHANICAL TRANSMISSION

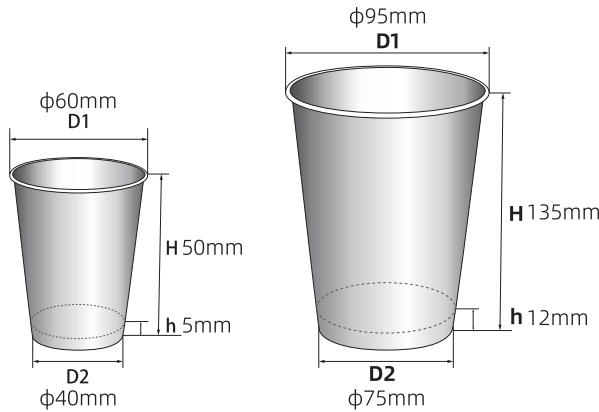


超声波部位
ULTRASONIC PART

The NEWTOP-118S+SY high speed intelligent paper cup machine is using tabletop layout, which isolates the forming parts and transmission parts. All transmission parts are installed in the main frame under the table, using longitudinal shaft, barrel indexing cam and gear transmission, lubricated by oil bath. The forming parts are installed on the table, easy to access for cleaning and maintenance. Machine is controlled by PLC, the whole process is monitored by photoelectric sensors, feeding by servo. Visual inspection system is an option to get rid of disqualified cups. This machine is good for making 5-16oz cold/hot cups.

NEWTOP-118S+SY型高速智能纸杯机采用台式布局，将成型部分与传动部分隔开。传动部分安装在台面下的机架内，采用纵轴传动结构，圆柱分度凸轮和齿轮传动。所有传动部件采用淋浴式润滑。成型模具安装在台面上，便于清理维护。全机由PLC控制，全程由光电跟踪监控，底纸采用伺服供料。可选配视觉检测系统以剔除不良品。适合生产5-16oz的冷/热饮杯。

型号	Model	NEWTOP-118S+SY
重量	Weight	3100kg
机器装箱规格	Machine encasement dimension	2900x1600x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,26KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	150pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.295-0.445mm
纸杯规格	Product range	(D1) φ60-95mm (H)50-135mm (D2) φ40-75mm (h)5-12mm



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MAX
150
PCS/MIN



NEWTOP-118S+SY



纸杯机系列
PAPER CUP MACHINE SERIES

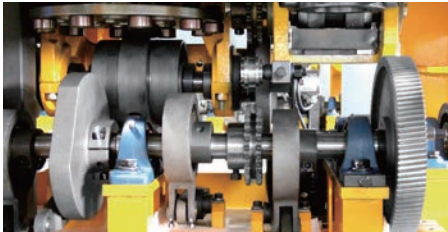
品质保证
WARRANTY



*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.



NEWTOP-118S+ZY
HIGH SPEED INTELLIGENT PAPER
CUP MACHINE
高速智能纸杯机



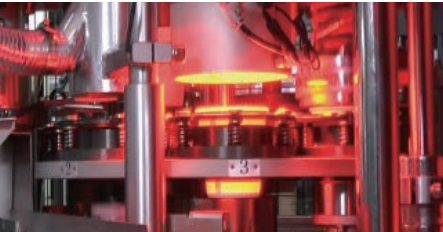
机械传动部分
MECHANICAL TRANSMISSION



冲底部分
BOTTOM PUNCHING & DRAWING



双工位卷口部分
DOUBLE CURLING STATION

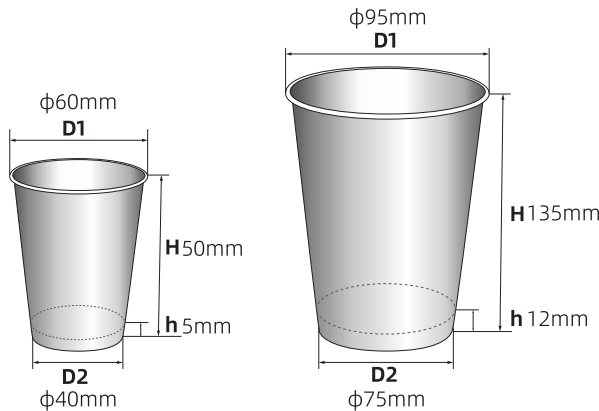


视觉检测部分(选配)
VISUAL INSPECTION (Optional)

The NEWTOP-118S+ZY high speed intelligent paper cup machine is using tabletop layout, which isolates the forming parts and transmission parts. All transmission parts are installed in the main frame under the table, using longitudinal shaft, barrel indexing cam and gear transmission. The forming parts are installed on the table, easy to access for cleaning and maintenance. Machine is controlled by PLC, the whole process is monitored by photoelectric sensors, feeding by servo. Visual inspection system is an option to get rid of disqualified cups. The NEWTOP-118S+ZY is for 5-16oz cold/hot cups.

NEWTOP-118S+ZY型高速智能纸杯机采用台式布局，将成型部分和传动部分隔开。传动部分安装在台面下的机架内，采用纵轴传动结构，圆柱分度凸轮和齿轮传动，所有传动部件采用淋浴式润滑。成型模具都安装在台面上，便于清理维护。全机由PLC控制，全程光电跟踪监控，底纸采用伺服供料。可选配视觉检测系统以剔除不良品。适合生产5-16oz的冷/热饮杯。

型号	Model	NEWTOP-118S+ZY
重量	Weight	3300kg
机器装箱规格	Machine encasement dimension	3100x1600x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,26KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	150pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.295-0.445mm
纸杯规格	Product range	(D1) φ60-95mm (H)50-135mm (D2) φ40-75mm (h)5-12mm



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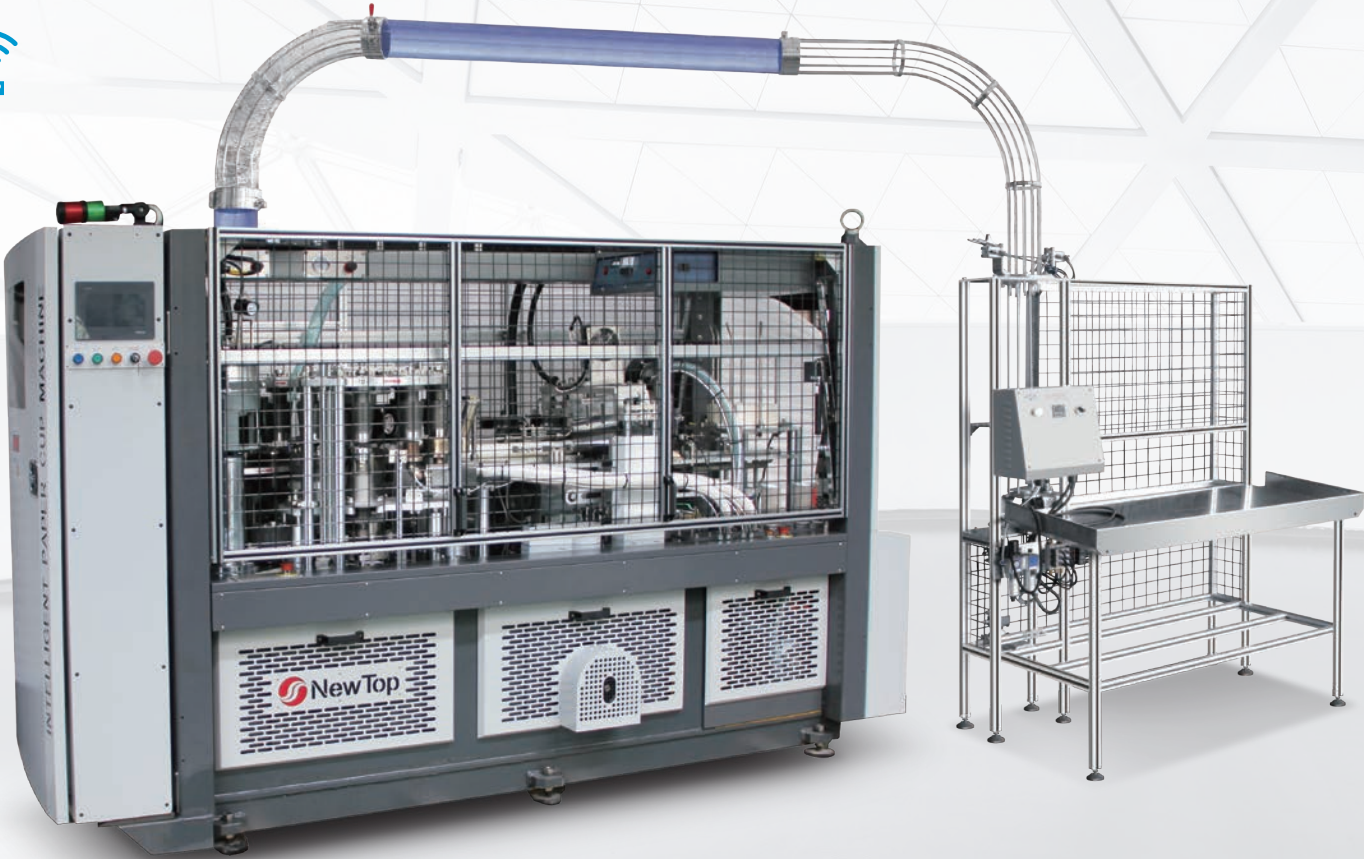
扫码观看118S+ZY机器视频

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MAX
150
PCS/MIN



NEWTOP-118S+ZY



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品质保证
WARRANTY



Schneider
Electric

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SMC

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Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

NEWTOP-118C

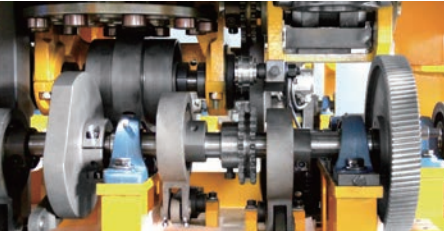
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高速智能纸杯机

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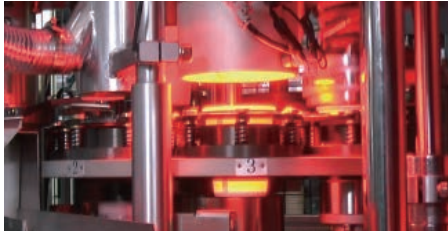
机械传动部分
MECHANICAL TRANSMISSION



冲底部分
BOTTOM PUNCHING & DRAWING



双工位卷口部分
DOUBLE CURLING STATION

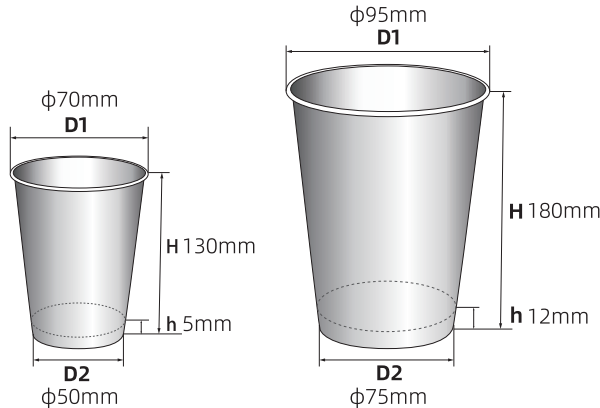


视觉检测部分
VISUAL INSPECTION

The NEWTOP-118C high speed intelligent paper cup machine is using tabletop layout, which isolates the forming parts and transmission parts. All transmission parts are installed in the main frame under the table, using longitudinal shaft, barrel indexing cam and gear transmission. The forming parts are installed on the table, easy to access for cleaning and maintenance. Machine. is controlled by PLC, the whole process is monitored by photoelectric sensors, feeding by servo. Visual inspection system is an option to get rid of disqualified cups.

NEWTOP-118C型高速智能纸杯机采用台式布局，将成型部分和传动部分隔开。传动部分安装在台面下的机架内，采用纵轴传动结构，圆柱分度凸轮和齿轮传动，所有传动部件采用淋浴式润滑。成型模具都安装在台面上，便于清理维护。全机由用PLC控制，全程光电跟踪监控，底纸采用伺服供料。可选配视觉检测系统以剔除不良品。

型号	Model	NEWTOP-118C
重量	Weight	3500kg
机器装箱规格	Machine encasement dimension	3100x1600x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,26KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	120pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.345-0.445mm
纸杯规格	Product range	(D1) φ70-95mm (H)130-180mm (D2) φ50-75mm (h)5-12mm

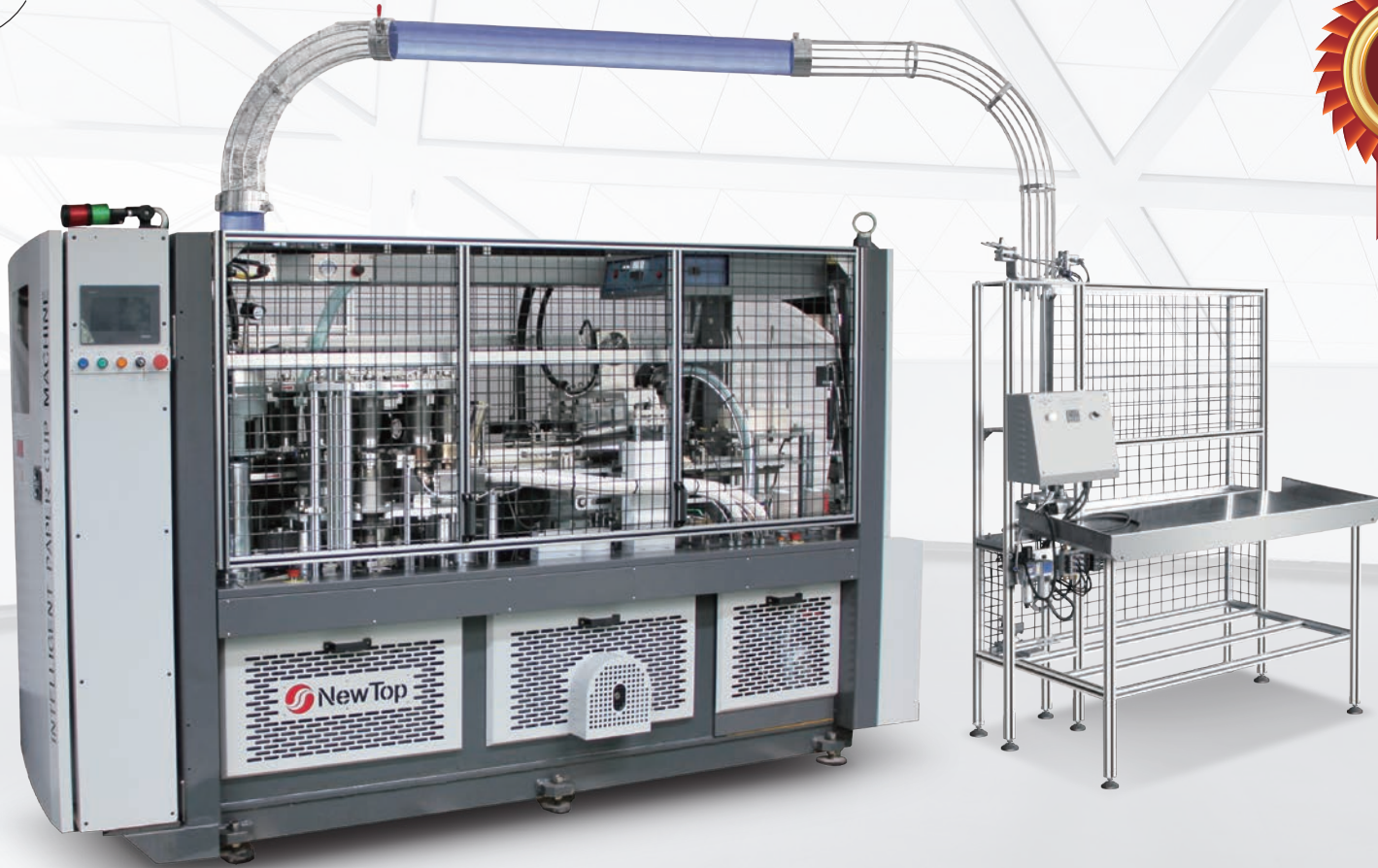


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MAX
120
PCS/MIN



NEWTOP-118C



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WARRANTY



*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

NEWTOP-FB158SV1

SERVO PAPER CUP MACHINE

伺服纸杯机

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扫码观看NEWTOP-FB158SV1机器视频



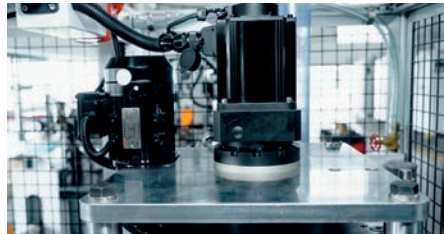
单旋转吸纸
SINGLE ROTRAY PAPER SUCTION



热风+超声波
HOT AIR + ULTRASONIC



杯底三道热风
TRIPLE HOT AIR

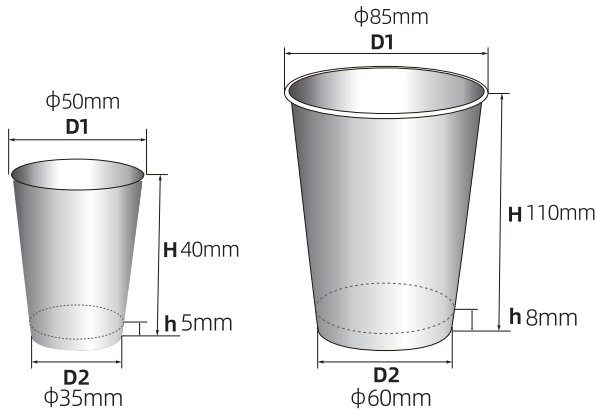


伺服转盘部分
SERVO TURNTABLE SECTION

The NEWTOP-FB158SV1 servo paper cup machine is a fully upgraded next-generation servo paper cup forming equipment. It features core digital servo control technology, deeply integrating real-time Ethernet synchroniza- tion, electronic cams, and a common DC bus control scheme. The machine separates the bottom heating drive from the punching die drive, and its exterior uses a sheet metal body with a mesh door structure to improve overall cooling and operational safety. y.This machine is good for making 2.5-12oz paper cups, and the production speed can reach up to 175pcs/min.

NEWTOP-FB158SV1伺服纸杯机是全面优化升级的新一代伺服型纸杯成型装备。以数字化伺服控制技术核心，深度融 合以太网实时同步、电子凸轮以及共直流母线的控制方案。该机型底热驱动与冲模驱动进行分离,外观采用钣金式机 身搭配网状门结构，提升整机散热与操作安全。该机型适用与2.5OZ-12OZ的纸杯生产，生产速度最高可达175只/分 钟。

型号	Model	NEWTOP-FB158SV1
重量	Weight	2500kg
机器装箱装箱规格	Machine encasement dimension	2300x1600x2000mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,22KW
压缩空气	Compressed air	0.5-0.7MPa,0.3m³/min
最大产能	Max Capacity	175pcs/min
纸杯材料	Paper materials	Single PE/Double PE
纸张厚度	Paper thickness	0.22-0.45mm
纸杯规格	Product range	(D1) φ50-85mm (H)40-110mm (D2) φ35-60mm (h)5-8mm



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MAX
175
PCS/MIN

NEWTOP-FB158SV1

Cloud e APP



伺服纸杯机系列
SERVO PAPER CUP MACHINE SERIES

品质保证
WARRANTY



- DEBAO-100S经过十多年的市场应用优化、迭代，其性能表现的质量及速度始终如一，稳定持久耐用，赢得了广大客户的信赖，树立了新德宝的品牌。新德宝技术团队总结过去，面向未来，在FB158SV1设计传承过去的稳定持久耐用结构及部件工艺，设计升级重点部位，加以伺服电机及运控系统，其优点：
- ①更稳定、高效，更节能
 - ②更智能、数字化，操作更简单，系统导图指引，自学习图标调节机器的参数
 - ③体积小，为小杯、薄纸市场通用纸杯而专机设计
 - ④4小时快速换模

*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-FB100S
SERVO PAPER CUP MACHINE

伺服纸杯机



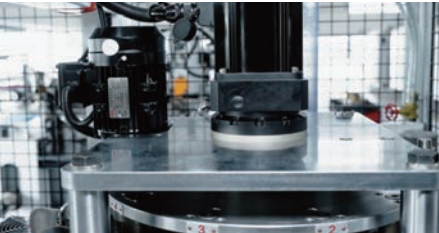
单旋转吸纸
SINGLE ROTRAY PAPER SUCTION



热风+超声波
HOT AIR + ULTRASONIC



杯底三道热风
TRIPLE HOT AIR

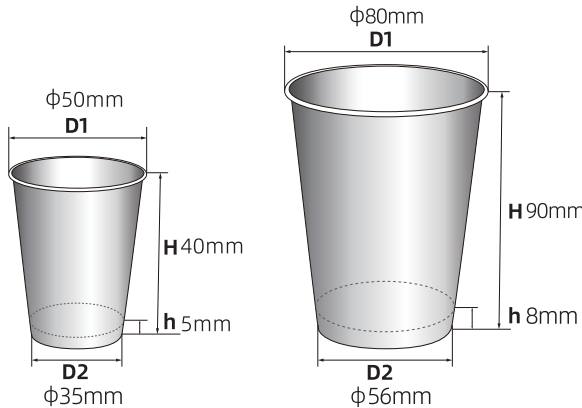


伺服转盘部分
SERVO TURNTABLE SECTION

The NEWTOP-FB100S servo paper cup machine is an efficient, intelligent and environmentally friendly paper cup forming machine. It adopts digital control mode and uses servo motor to control the paper cup forming process with high precision to achieve fast, accurate and stable paper cup forming effect . The control part integrates various techniques such as Ethernet real-time control technology, distributed clock mechanism, electronic cam technology and common DC bus to control efficientlystably and precisely.This machine is good for making 2.5-10oz paper cups, and the production speed can reach up to 158pcs/min.

NEWTOP-FB100S型伺服纸杯机是一种高效、智能、环保的纸杯成型机器，采用数字化控制模式，通过伺服电机对纸杯成型过程进行高精度控制，以实现快速、准确、稳定的纸杯成型控制部分采用多种技术，包括以太网实时控制技术，分散式时钟机制，电子凸轮技术和共直流母线方案等，旨在实现高效、稳定、精准的控制。该机型适用于2.5OZ-10OZ的纸杯生产，生产速度最高可达158PCS/MIN。

型号	Model	NEWTOP-FB100S
重量	Weight	2400kg
机器装箱装箱规格	Machine encasement dimension	2200x1500x2000mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,22KW
压缩空气	Compressed air	0.5-0.7MPa,0.3m³/min
最大产能	Max Capacity	158pcs/min
纸杯材料	Paper materials	Single PE
纸张厚度	Paper thickness	0.22-0.35mm
纸杯规格	Product range	(D1) φ50-80mm (H)40-90mm (D2) φ35-56mm (h)5-8mm



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MAX
158
PCS/MIN



NEWTOP-FB100S



DEBAO-100S经过十多年的市场应用优化、迭代，其性能表现的质量及速度始终如一，稳定持久耐用，赢得了广大客户的信赖，树立了新德宝的品牌。

新德宝技术团队总结过去，面向未来，在FB100S设计传承过去的稳定持久耐用结构及部件工艺，设计升级重点部位，加以伺服电机及运控系统，其优点：

- ①更稳定、高效，更节能
- ②更智能、数字化，操作更简单，系统导图指引，自学习图标调节机器的参数
- ③体积小，为小杯、薄纸市场通用纸杯而专机设计
- ④4小时快速换模

*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

伺服纸杯机系列
SERVO PAPER CUP MACHINE SERIES

品质保证
WARRANTY



NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-FW135C

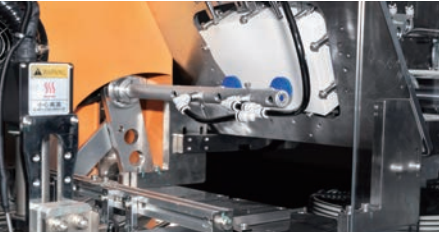
SERVO PAPER CUP MACHINE

伺服纸杯机

www.debaochina.com



扫码观看FW135C机器视频



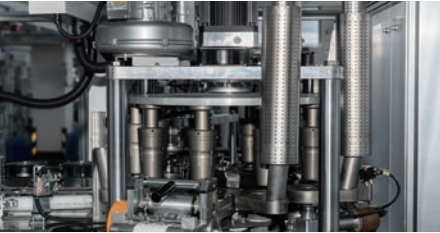
单旋转吸纸
SINGLE ROTRAY PAPER SUCTION



热风+超声波
HOT AIR + ULTRASONIC



杯底三道热风
TRIPLE HOT AIR

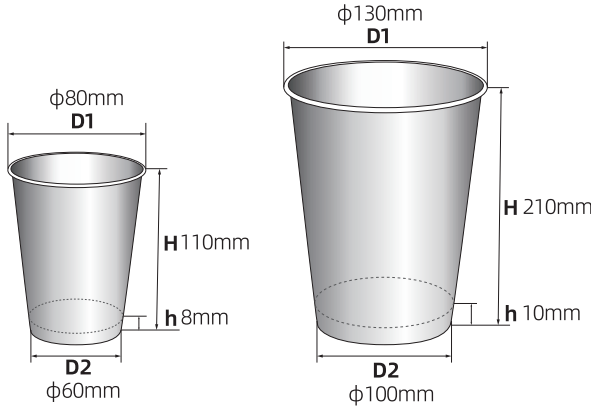


伺服转盘部分
SERVO TURNTABLE SECTION

The NEWTOP-FW135C servo paper cup machine, featuring digital servo control technology as its core, integrates Ethernet real-time synchronization, electronic cam, and shared DC bus control solutions. The machine adopts a separated layout of transmission and actuation mechanisms, equipped with parallel high-rigidity transmission shafts and a "servo motor + precision reducer" drive system with dual turntables, enhancing operational performance, optimizing daily maintenance, and ensuring both reliable operation and user convenience. The exterior design combines sheet metal body with a mesh-door structure to improve overall heat dissipation and operational safety. This model can produce16-42oz paper cups by simply replacing molds, with a maximum production speed of up to 140pcs/min.

NEWTOP-FW135C型伺服纸杯机，以数字化伺服控制技术为核心，深度融合以太网实时同步、电子凸轮及共直流母线的控制方案。整机采用传动与执行机构分离式布局，搭配平行式高刚性传动轴与双转盘“伺服电机+精密减速机”驱动机构，提升设备运行性能，优化日常维护，兼顾运行可靠与操作便捷性。外观采用钣金式机身搭配网状门结构，提升整机散热与操作安全。该机型通过更换模具实现16oz-42oz的纸杯生产，生产速度最高可达140只/分钟。

型号	Model	NEWTOP-FW135C
重量	Weight	3400kg
机器装箱规格	Machine encasement dimension	2400x1900x2260mm
额定功率	Rated power	Three-phase 380V,46KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	140pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.2825-0.5025mm
纸杯规格	Product range	(D1) φ80-130mm (H)110-210mm (D2) φ60-100mm (h)8-10mm



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MAX
140
PCS/MIN

NEWTOP-FW135C

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SERVO PAPER CUP MACHINE SERIES



品质保证
WARRANTY



XINJE 亚德客 NSK Schneider Electric Panasonic SIEMENS

- ①全新外观：采用钣金工艺，以卓越散热性能和更强生产效能，树立纸杯智造新标杆。

②人机交互：全新人机交互界面，简化操作，优化图标与布局，屏幕操作体验全面提升。

③操作维护：优化防护结构，拓展操作空间，使操作、维护更简便。
- ④安全防护：门限系统开门停机，单向按钮与门限联锁联动，双重保障人员安全。

⑤杯底加热：采用独立机械凸轮控制，保持杯底加热的时间，稳定加热效果。

*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-228W

HORIZONTAL HIGH SPEED INTELLIGENT PAPER CUP MACHINE

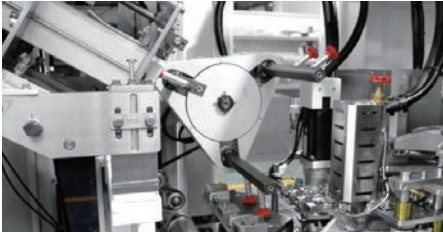
卧式高速智能纸杯机



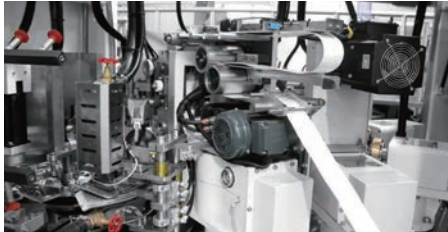
三工位卷口部分
TRIPLE CURLING STATIONS



卧式模具安装
HORIZONTAL MOULD INSTALLATION



旋转送纸部分
ROTRAY PAPER FEEDING STATION

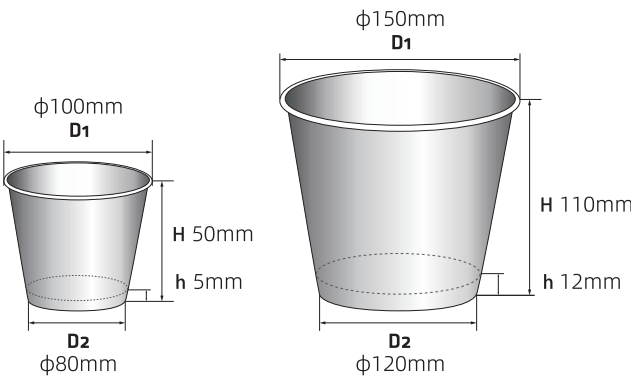


一体式冲底成型机构
INTEGRATED BOTTOM PUNCHING MECHANISM

The NEWTOP-228W horizontal type high speed intelligent paper cup/bowl machine adopts integrated layout on upper-side and lower-side of the table. The mold forming part is installed on the table, while the forming process is distributed around three independently driven turrets which are set in the way of 4-7-7 configuration. The main drive section under the table is connected by globoidal indexing cams and gears. The transmission parts are in a sealed-case and lubricated by spraying. The machine is controlled by PLC and servo motion controller, the whole process is monitored by photoelectric sensors, feeding by sevro. This machine is good for making 11-43oz cold/hot bowls.

NEWTOP-228W卧式高速智能纸杯机采用台板下一体式布局，台板上为模具成型部分，成型工艺流程分布在三个独立驱动的转塔周围，以4-7-7的方式设置。台板下为主传动部分，以弧面分度凸轮+齿轮进行传动连接。传动部件采用箱体密闭式喷淋润滑。全机由PLC+伺服运动控制，全程光电跟踪监控，伺服供料控制。适合生产11-43OZ冷/热纸碗。

型号	Model	NEWTOP-228W
重量	Weight	7500 kg
机器装箱规格	Machine encasement dimension	3300 x 2140 x 2250mm
额定功率	Rated power	Three-phase, 380V, 65KW
压缩空气	Compressed air	0.5-0.7 MPa, 0.6 m³/min
最大产能	Max Capacity	180 pcs/min
纸杯材料	Paper materials	Single PE / double PE / PLA
纸张厚度	Paper thickness	0.295-0.47mm
纸杯/纸碗规格	Product range	(D1) φ100-150mm (H)50-110mm (D2) φ80-120mm (h)5-12mm



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MAX
180
PCS/MIN



NEWTOP-228W



卧式机系列

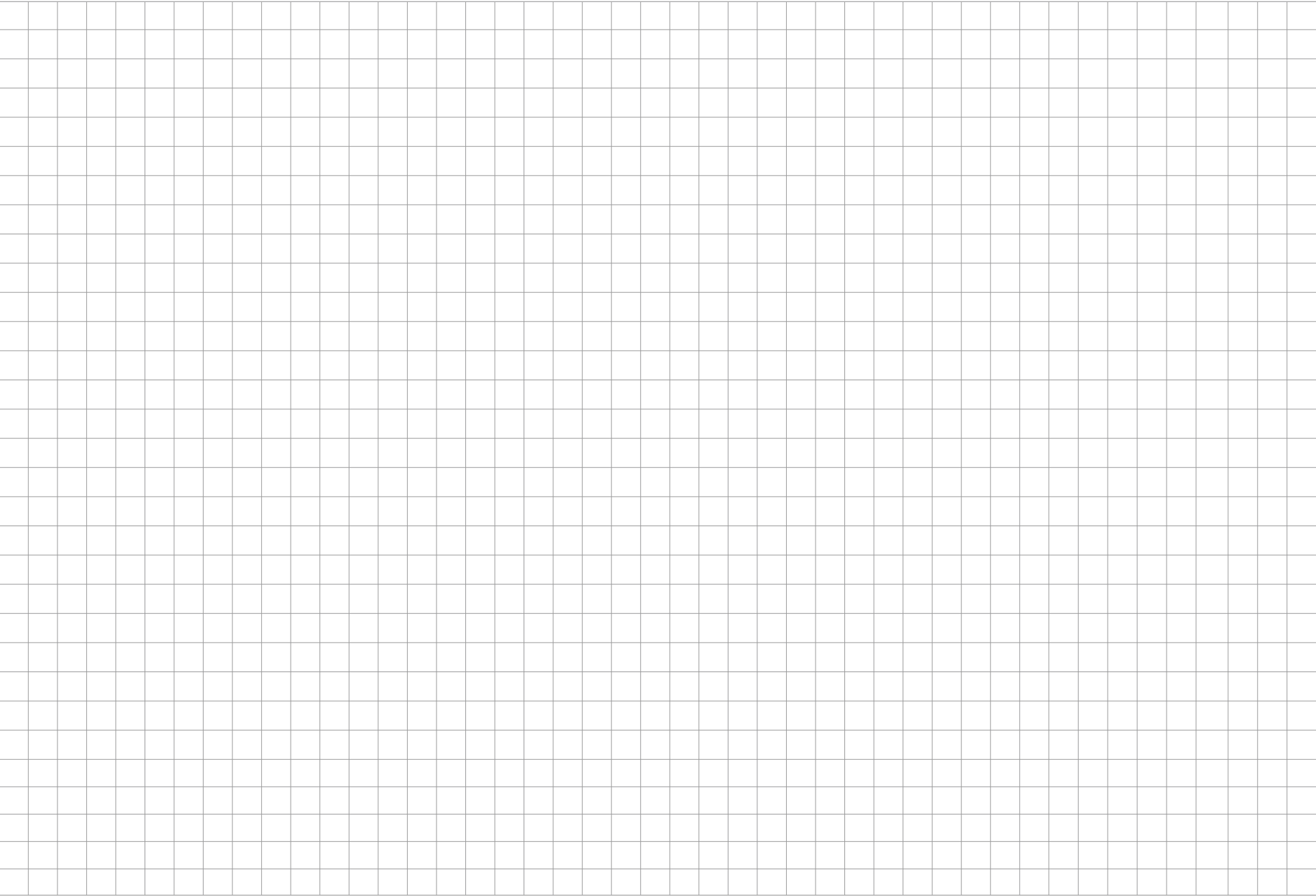
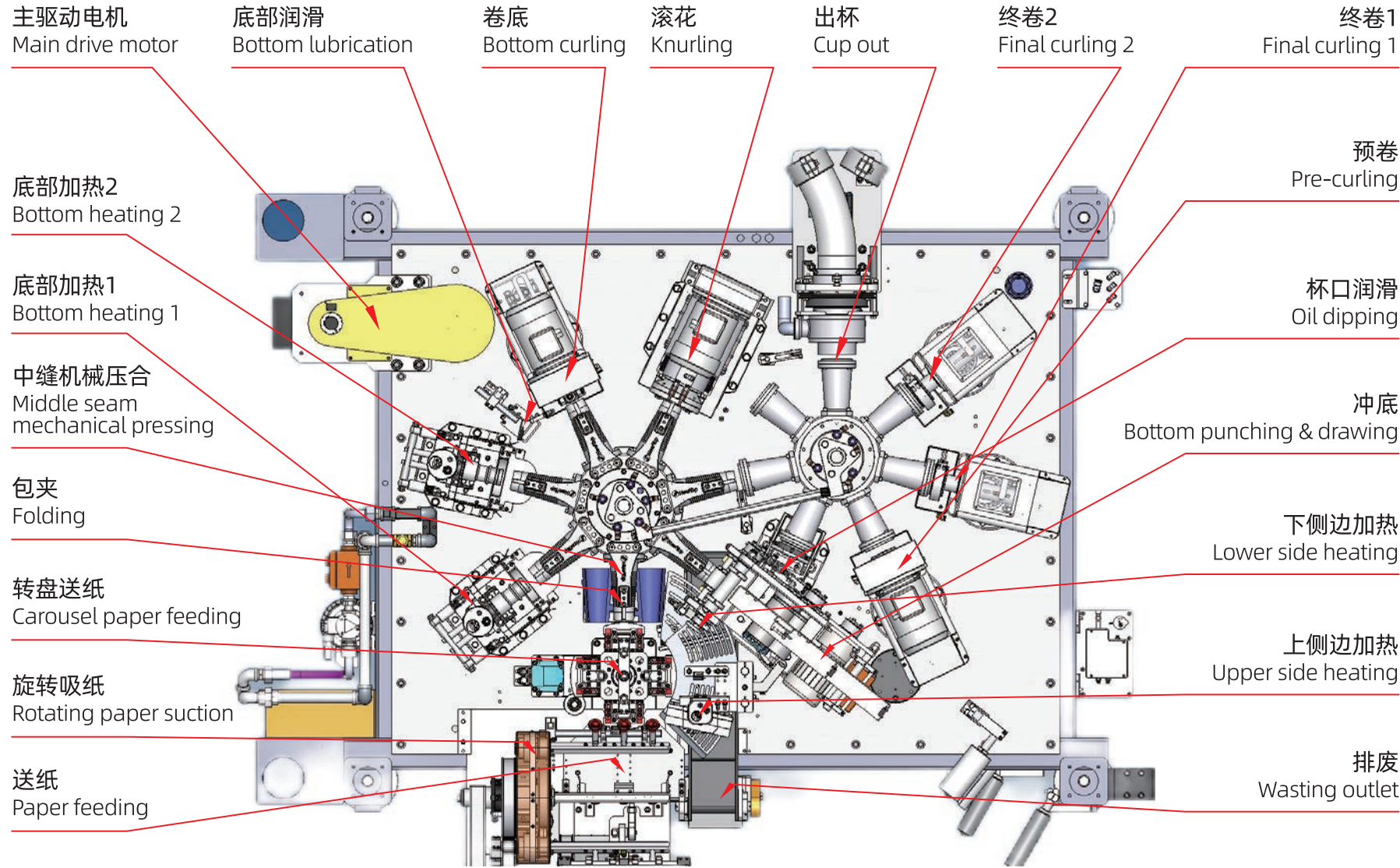
HORIZONTAL MACHINE SERIES

品质保证
WARRANTY



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Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

卧式机工艺布局
HORIZONTAL MACHINE
PROCESS LAYOUT



NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-1250S

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

高速智能纸杯机

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扫码观看1250S机器视频



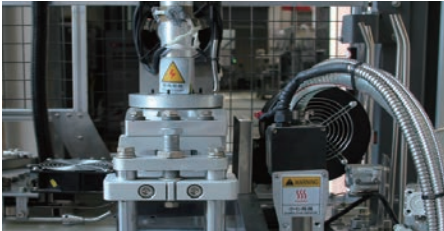
底部加热
BOTTOM HEATING



双工位卷口部分
DOUBLE CURLING STATION



双分度凸轮
TWO INDEXING CAMS ASSEMBLY

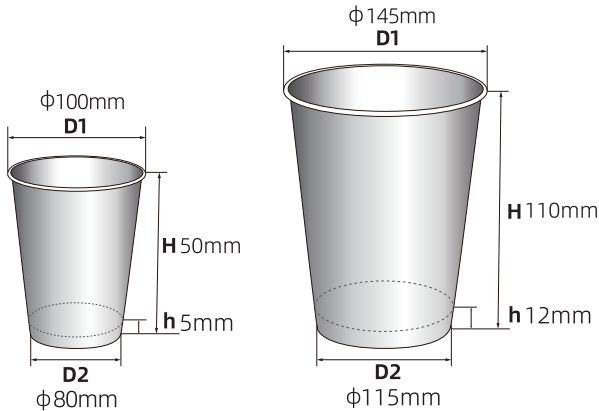


超声波部位
ULTRASONIC PART

The NEWTOP-1250S high speed intelligent paper cup bowl forming machine is using table-top layout,which isolates the forming parts and the transmission part. All transmission parts are installed in the main frame under the table, using long itudinal shaft,barrel indexing cam and gear transmission,lubricatedby oil bath, The forming parts are installation on the table,easy to access for cleaning and mainte-nance.Machine is controlled by PLC,the whole processis monitored by photoelectric sensors,feedingby servo.Visual inspection system is an option to get nid of disqualified cups.This machine is good for making 12-45 oz cold/hot bowls.

NEWTOP-1250S型高速智能纸杯机采用台式布局，将成型部分和传动部分隔开。传动部分安装在台面下的机架内，采用纵轴传动结构，圆柱分度凸轮和齿轮传动。所有传动部件采用淋浴式润滑。成型模具安装在台面上，便于清理维护。全机由PLC控制，全程由光电跟踪，底纸采用伺服供料。可选配视觉检测系统以剔除不良品。适合生产12-45oz的冷/热纸碗。

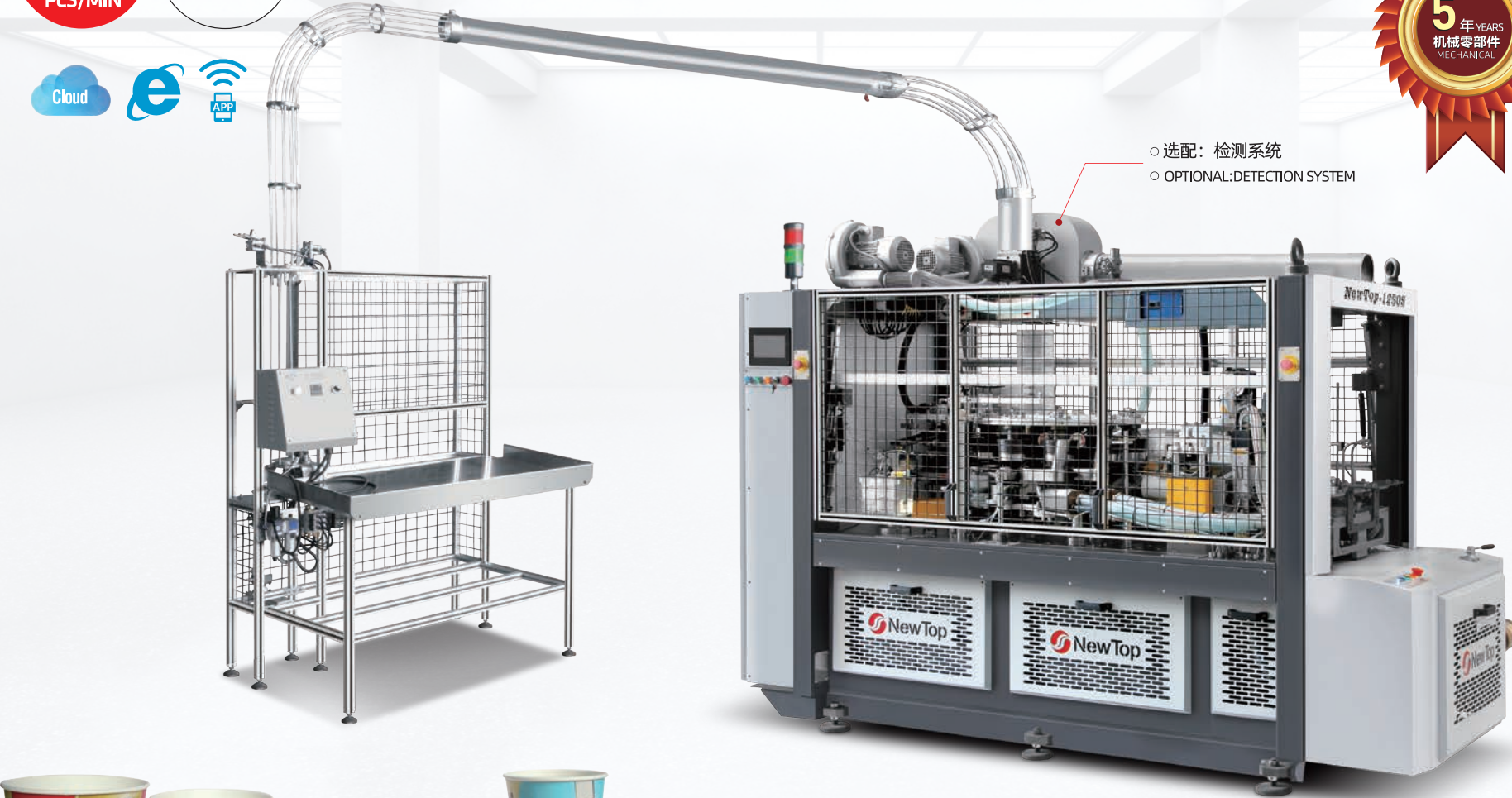
型号	Model	NEWTOP-1250S
重量	Weight	3400kg
机器装箱规格	Machine encasement dimension	3100x1600x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x720x1900mm
额定功率	Rated power	Three-phase 380V,31KW
压缩空气	Compressed air	0.6-0.8MPa,0.6m³/min
最大产能	Max Capacity	120pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.2825-0.445mm
纸杯规格	Product range	(D1) φ100-145mm (H)50-110mm (D2) φ80-115mm (h)5-12mm



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MAX
120
PCS/MIN

NEWTOP-1250S



- 选配：检测系统
- OPTIONAL: DETECTION SYSTEM

品质保证
WARRANTY



*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
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NEWTOP-FW135S

SERVO PAPER CUP MACHINE

伺服纸杯机



单旋转吸纸
SINGLE ROTRAY PAPER SUCTION



热风+超声波
HOT AIR + ULTRASONIC



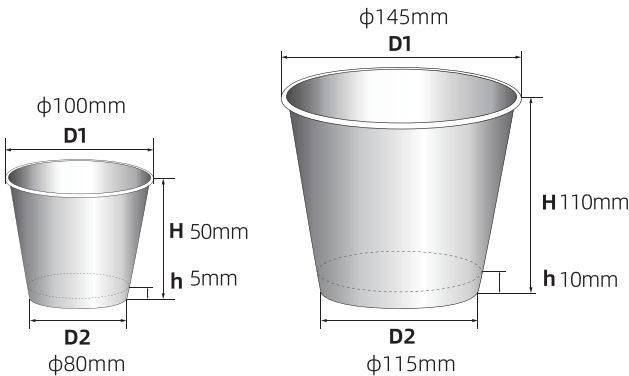
杯底三道热风
TRIPLE HOT AIR



伺服转盘部分
SERVO TURNTABLE SECTION

The NEWTOP-FW135S is a next-generation intelligent paper cup forming equipment that has been comprehensively optimized and upgraded. Centered on digital servo control, it integrates Ethernet real-time synchronization, electronic cam, and common DC bus control solutions. The machine features independent cam-driven base heating, extending heating time and enhancing bonding effects. Its exterior adopts a new industrial design with an integrated sheet metal body and isolated pipeline layout, ensuring more efficient heat dissipation and safer operation and maintenance. It is suitable for 10oz-45oz paper cup production, with a maximum output capacity of 135 pieces per minute.

型号	Model	NEWTOP-FW135S
重量	Weight	3500kg
机器装箱规格	Machine encasement dimension	2400x1900x2260mm
额定功率	Rated power	Three-phase 380V,46KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	135pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.2825-0.445mm
纸杯规格	Product range	(D1) φ100-145mm (H)50-110mm (D2) φ80-115mm (h)5-10mm



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MAX
135
PCS/MIN

NEWTOP-FW135S

Cloud

e

APP



- ①全新工业设计

一体式钣金机身，散热性能与结构稳定性全面提升，树立纸杯智造新标杆。
- ②产能再升级

最高产能从128只/分钟提升至135只/分钟，生产效率提升约5.5%。

- ③更易安装维护

门体升级为上下整体式大尺寸检修门，操作空间更开阔，装配与调试更便捷。
- ④安全全面强化

开门自动停机保护，有效保障操作人员安全，维护过程更安心。

*实际生产速度受产品尺寸、结构复杂度、原料特性及工艺要求影响，以最终方案推荐速度为准。
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伺服纸碗机系列
SERVO PAPER CUP MACHINE SERIES

品质保证
WARRANTY



XINJE 亚德客 NSK Schneider Electric Panasonic SIEMENS

NEWTOP-5000S8

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

高速智能纸杯机



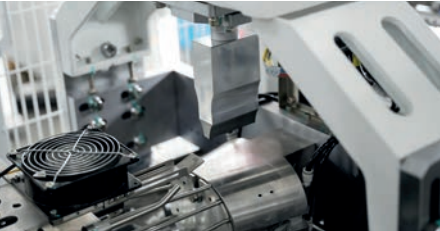
单旋转吸纸
SINGLE ROTRAY PAPER SUCTION



双工位卷口部分
DOUBLE CURLING STATION



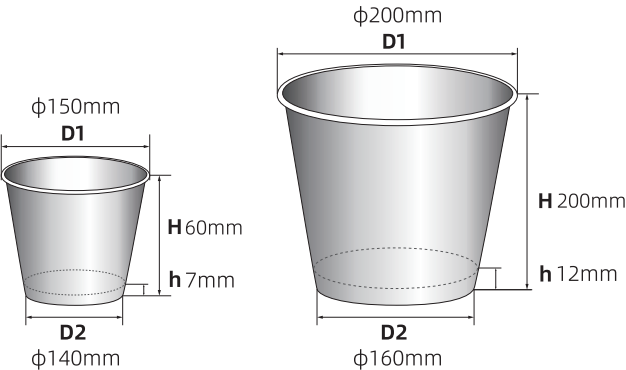
底部加热
BOTTOM HEATING



超声波
ULTRASONIC PART

The NEWTOP-5000S8 high speed intelligent paper cup machine is a newly launched generation of paper container forming equipment. It's transmission system uses a 4-axis distributed drive design, and the turntable drive can be optionally equipped with either a direct-drive motor or a mechanical indexing mechanism. The executive system features a rotating paper suction combined with a straight-line feeding mechanism, a servo-driven ultrasonic and cup-clamp forming mechanism for the cup body, an 11-station cup bottom forming turntable, and an 8-station cup rim forming turntable in a dual-turntable layout, achieving multiple processes from sheet material to forming. The curling mechanism uses a servo-driven two-station pre-curl and final curl setup, ensuring consistent cup rim dimensions and perfect curl lines. The transmission components use spray lubrication. The executive system and transmission system are designed with large plate isolation for easier cleaning and maintenance. The electrical control system uses motion control PLC and encoders, with full photoelectric tracking monitoring, while the bottom paper is servo-fed. The exterior features a sheet metal body with a mesh door structure, improving overall machine cooling and operational safety. This machine is suitable for producing 30oz-170oz paper bowls and paper buckets.

型号	Model	NEWTOP-5000S8
重量	Weight	5800kg
机器装箱规格	Machine encasement dimension	3500x1900x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x720x1900mm
额定功率	Rated power	Three-phase 380V,70KW
压缩空气	Compressed air	0.6-0.8MPa,0.6m3/min
最大产能	Max Capacity	115pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.3825-0.5325mm
纸杯规格	Product range	(D1)φ150-200mm (H)60-200mm (D2)φ140-160mm (h)7-12mm



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NEWTOP-5000S8



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Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.

纸碗机系列
PAPER BOWL MACHINE SERIES



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Schneider Electric INOVANCE 亞德客 AIRTAC Panasonic

NEWTOP-5000S

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

高速智能纸杯机

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双分度凸轮
DOUBLE INDEXING CAM ASSEMBLY



双工位卷口部分
DOUBLE CURLING STATION



底部加热
BOTTOM HEATING

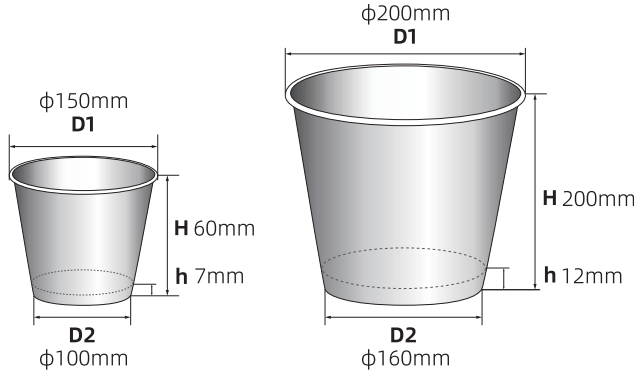


脱模转移
DEMOULDING TRANSFER MECHANISM

The NEWTOP-5000S high speed intelligent large paper cup machine is using tabletop layout, which isolates the forming parts and the transmission parts. All transmission parts are installed in the main frame under the table, using longitudinal shaft, barrel indexing cam and gear transmission, lubricated by oil bath. The forming parts are installed on the table, easy to access for cleaning and maintenance. Machine is controlled by PLC, the whole process is monitored by photoelectric sensors, feeding by servo. This machine is good for making large paper containers for multi-purposes.

NEWTOP-5000S型高速智能超大型纸杯机采用台式布局，将成型模具与传动部分隔开。传动部分安装在台面下的机架内，采用纵轴结构，圆柱分度凸轮和齿轮传动。所用传动部件采用淋浴式润滑。成型模具都安装在台面上，便于清理维护。全机由PLC控制，全程光电跟踪监控，底纸采用伺服供料。该机器生产的超大型纸容器用途广泛。

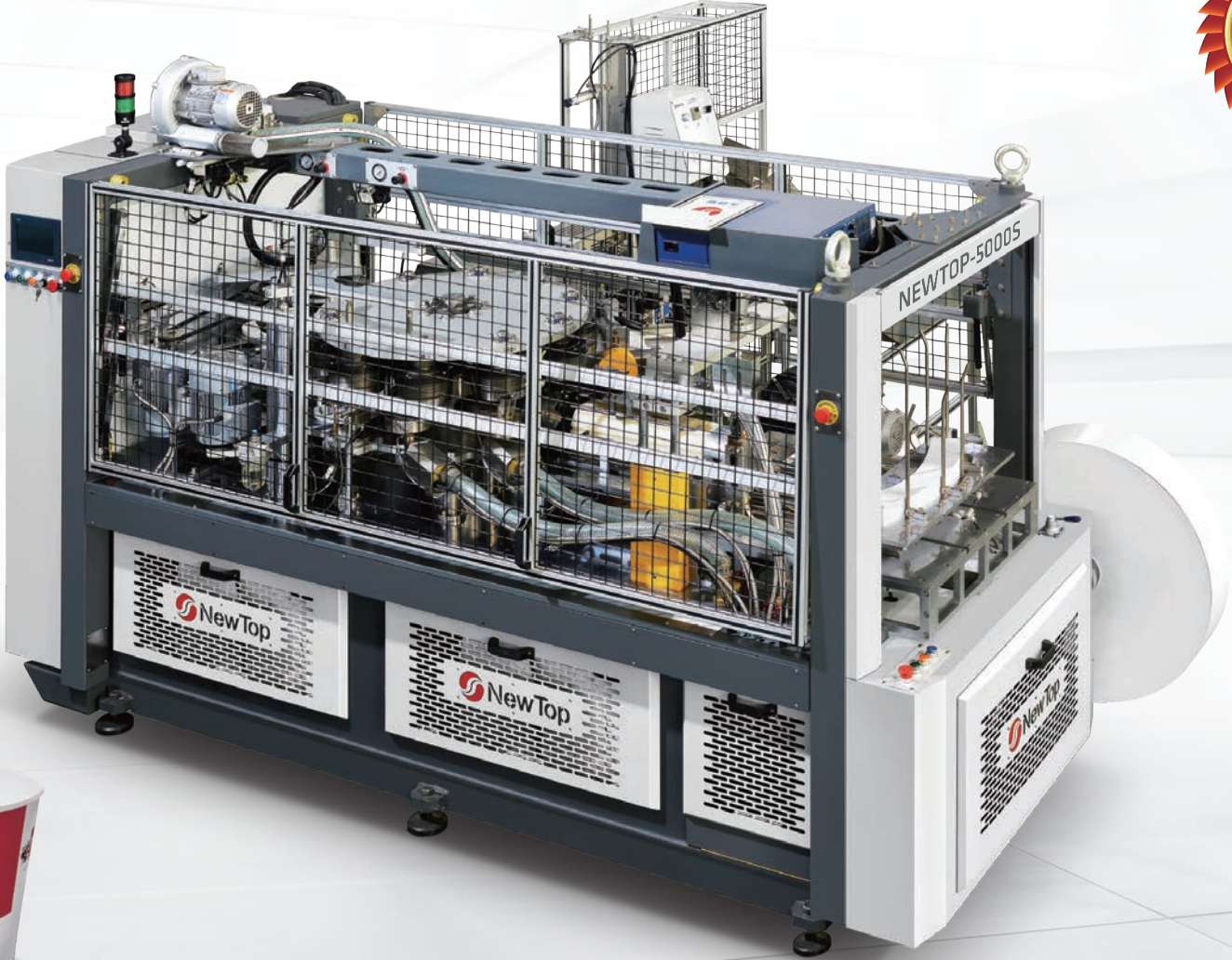
型号	Model	NEWTOP-5000S
重量	Weight	4500kg
机器装箱规格	Machine encasement dimension	3500x1800x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x720x1900mm
额定功率	Rated power	Three-phase 380V,35KW
压缩空气	Compressed air	0.6-0.8MPa,0.6m3/min
最大产能	Max Capacity	80pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.3825-0.5325mm
纸杯规格	Product range	(D1) ϕ 150-200mm (H)60-200mm (D2) ϕ 100-160mm (h)7-12mm



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NEWTOP-5000S



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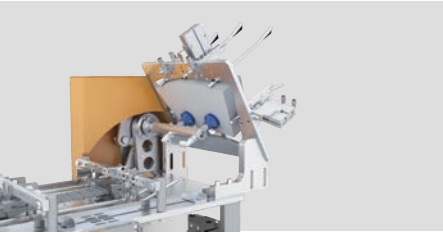
NEWTOP-168D

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

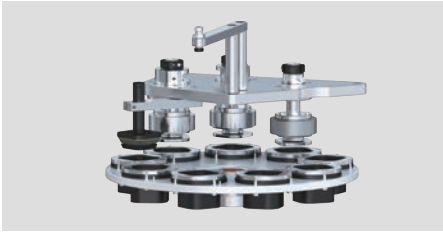
高速智能纸杯机



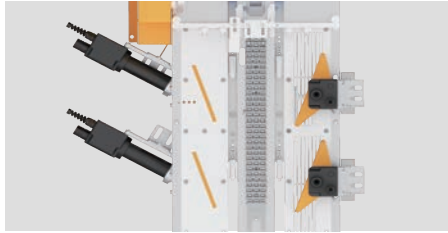
杯底三道热风
TRIPLE HOT AIR



单旋转吸纸
SINGLE ROTRAYPAPER SUCTION



九工位母模+三工位卷口
NINE-STATION FEMALE MOLD+TRIPLE CURLING STATIONS

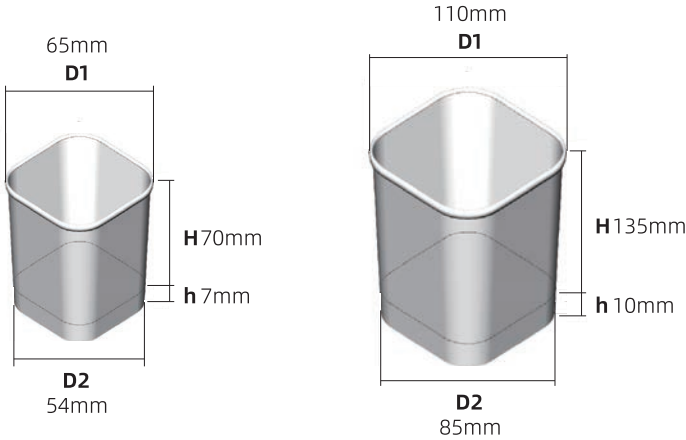


双工位四热风
DUAL STATION FOUR HOT AIR

The NEWTOP-168D high speed intelligent paper cup machine inherits the high speed and stable platform of the NEWTOP-168S9 model, cleverly separating the transmission mechanism from the execution mechanism. The transmission mechanism is designed with a 'one horizontal, two vertical' dynamic shaft layout, while the execution mechanism uses a straight-line suction paper and cup forming technology. Combined with a dual-turntable layout of 10-station male molds and 9-station female molds, it achieves multi-station curling (≥3), ensuring stable forming dimensions, high curl rate, and strong paper adaptability for the paper containers. This model is highly flexible and offers multiple options to meet different customer needs: it can be optionally equipped with a vision inspection system to remove defective products and is suitable for producing square cold or hot cups.

NEWTOP-168D型高速智能纸杯机，该机型继承了168S9的高速稳定平台，巧妙地将传动与执行机构分开。传动机构的设计采用了“一横二纵”的动轴布局，而执行机构则采用了直列式的吸送纸与杯筒成型技术，结合10工位公模与9工位母模的双转盘布局，实现了卷边多工位（≥3），让纸容器成型尺寸稳定，卷曲率高，纸张适应性强。该机型配置灵活，选择多样，可满足客户的不同需求：可选配视觉检测系统以剔除不良品，适用于生产方形的冷/热杯。

型号	Model	NEWTOP-168D
重量	Weight	3400kg
机器装箱规格	Machine encasement dimension	3100x1600x2100mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x610x1900mm
额定功率	Rated power	Three-phase 380V,31KW
压缩空气	Compressed air	0.6-0.8MPa0.5m³/min
最大产能	Max Capacity	100pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.38-0.5mm
纸杯规格	Product range	(D1)φ65-110mm (H)70-135mm (D2)φ54-85mm (h)7-10mm



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MAX
100
PCS/MIN



NEWTOP-168D



NEWTOP-168D该机型秉承新德宝一贯的高品质、高性能与高可靠性基因，通过模块化架构设计，实现外框、控制系统、热风配置及胀压工艺的灵活组合，为不同场景客户提供“一机多配、精准匹配”的定制化解决方案,其优点包括：

- 1.热风系统：可选配双工位四道杯边热风系统，采用渐进式加温技术,实现柔和均匀的热传导，优化中缝粘合效果。
- 2.三重卷边技术:三道卷边，使卷边角度可达到450°以上。
- 3.变频热风技术：实现停机降温节能。

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异型机系列

NON-ROUND CONTAINER MACHINE SERIES

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NEWTOP-1250D

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

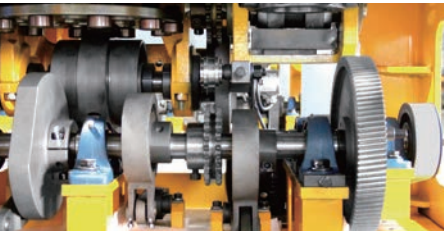
高速智能纸杯机



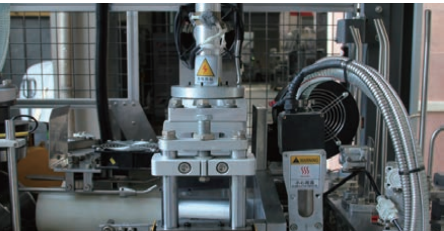
双工位卷口部分
DOUBLE CURLING STATION



冲底部分
BOTTOM PUNCHING & DRAWING



机械传动部分
MECHANICAL TRANSMISSION

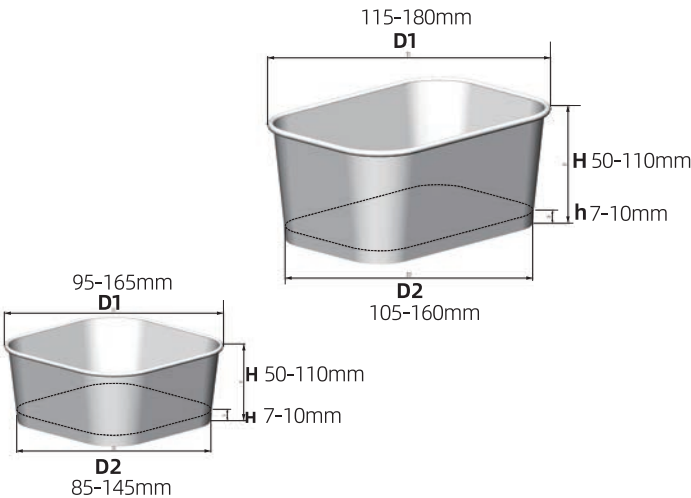


超声波部位
ULTRASONIC PART

The NEWTOP-1250D high speed intelligent paper cup machine is using tabletop layout, which isolates the forming parts and transmission parts. All transmission parts are installed in the main frame under the table, using longitudinal shaft, barrel indexing cam and gear transmission. The forming parts are installed on the table, easy to access for cleaning and maintenance. Machine. is controlled by PLC, the whole process is monitored by photoelectric sensors, feeding by servo. The NEWTOP-1250D is good for making non-round type cold/hot bowls. Rectangle ones have eight standard sizes can be chosen from.

newtop-1250D型高速智能纸杯机采用台式布局，将成型部分和传动部分隔开。传动部分安装在台面下的机架内，采用纵轴传动结构，圆柱分度凸轮和齿轮传动，所有传动部件采用淋浴式润滑。成型模具都安装在台面上，便于清理维护。全机由PLC控制，全程光电跟踪监控，底纸采用伺服送料。本机型适合生产异形冷/热纸碗，其中矩形纸碗产品有八个标准尺寸可供选择。

型号	Model	NEWTOP-1250D
重量	Weight	3400kg
机器装箱规格	Machine encasement dimension	3100x1650x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x720x1900mm
额定功率	Rated power	Three-phase 380V,29KW
压缩空气	Compressed air	0.6-0.8MPa,0.6m3/min
最大产能	Max Capacity	70pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.38-0.5mm
纸杯规格	Product range (square正方形)	(D1)φ95-165mm (H)50-110mm (D2)φ85-145mm (h)7-10mm
	Product range (rectangle矩形)	(D3)φ115-180mm (H)50-110mm (D4)φ105-160mm (h)7-10mm



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NEWTOP-1250D



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NEWTOP-5000D8

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

高速智能纸杯机



三工位卷口部分
TRIPLE CURLING STATIONS



杯底加热部分
BOTTOM HEATING



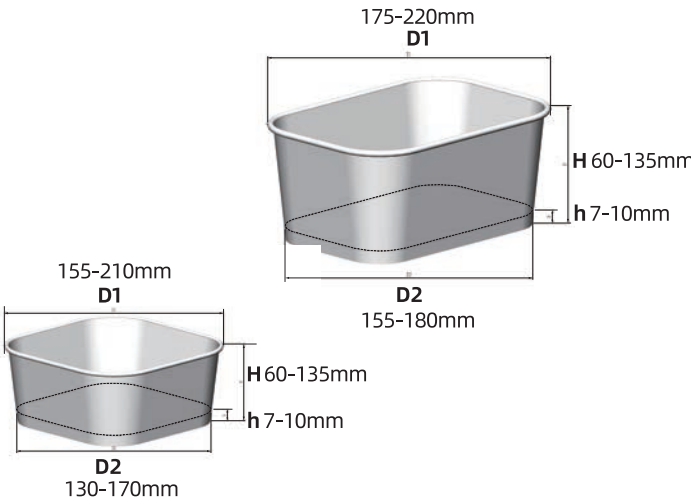
单旋转吸纸
SINGLE ROTRAY PAPER SUCTION



超声波部位
ULTRASONIC PART

The NEWTOP-5000D8 high speed intelligent paper cup machine is a newly launched generation of paper container forming equipment. Its transmission system uses a distributed design with 4-axis drive, and the turntable drive can be optionally equipped with either a direct drive motor or a mechanical indexing mechanism. The actuating mechanism combines rotary paper suction with a linear feeding system, a cup-forming mechanism driven by servo and ultrasonic with a cup-clamping setup, an 11-station cup bottom forming turntable, and an 8-station cup rim forming turntable in a dual-turntable layout, achieving multiple processes from sheet material to finished cup. The curling system uses a two-step process with pre-curling and final curling to ensure consistent cup rim dimensions and perfect roll lines. Transmission parts use spray lubrication. The actuating mechanisms and transmission system are separated by large panels for easy cleaning and maintenance. The electrical control system features motion control PLCs with encoders, full optical tracking, and servo paper feeding. The exterior has a sheet metal body with mesh doors to improve overall cooling and operational safety.

型号	Model	NEWTOP-5000D8
重量	Weight	5800kg
机器装箱规格	Machine encasement dimension	3500x1900x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x720x1900mm
额定功率	Rated power	Three-phase 380V,60KW
压缩空气	Compressed air	0.6-0.8MPa,0.6m³/min
最大产能	Max Capacity	115pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.38-0.5mm
纸杯规格	Product range (square正方形)	(D1)φ155-210mm (H)60-135mm (D2)φ130-170mm (h)7-10mm
	Product range (rectangle矩形)	(D1)φ175-220mm (H)60-135mm (D2)φ155-180mm (h)7-10mm



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NEWTOP-5000D8



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NEWTOP-5000D

HIGH SPEED INTELLIGENT PAPER CUP MACHINE

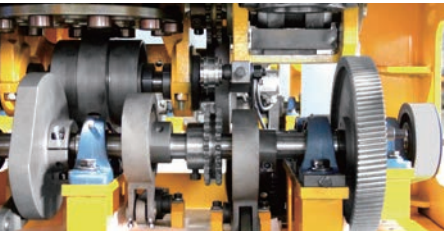
高速智能纸杯机



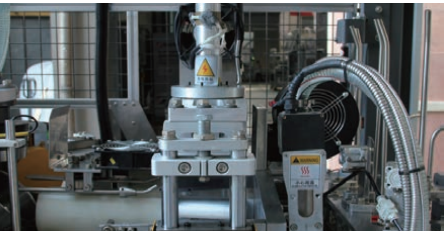
双工位卷口部分
DOUBLE CURLING STATION



冲底部分
BOTTOM PUNCHING & DRAWING



机械传动部分
MECHANICAL TRANSMISSION

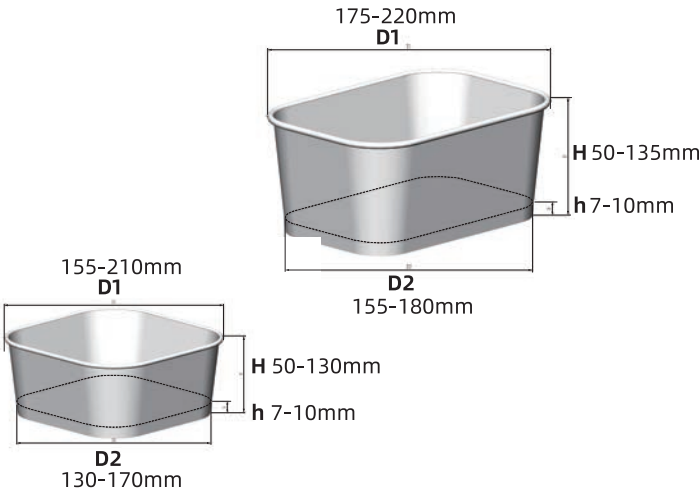


超声波部位
ULTRASONIC PART

The NEWTOP-5000D high speed intelligent large paper cup machine is using tabletop layout,which isolates the forming parts and the transmission parts.All transmission parts are installed in the main frame under the table,using longitudinal shaft,barrel indexing cam and gear transmission,lubricated by oil bath.The forming parts are installed on the table,easy to access for cleaning and maintenance.Machine is controlled by PLC,the whole process is monitored by photoelectric sensors,feeding by servo.This machine is good for making large paper containers for multi-purposes.

NEWTOP-5000D型高速智能超大型纸杯机采用台式布局，将成型模具与传动部分隔开。传动部分安装在台面下的机架内，采用纵轴结构，圆柱分度凸轮和齿轮传动。所用传动部件采用淋浴式润滑。成型模具都安装在台面上，便于清理维护。全机由PLC控制，全程光电跟踪监控，底纸采用伺服供料。该机器生产的超大型纸容器用途广泛。

型号	Model	NEWTOP-5000D
重量	Weight	4600kg
机器装箱规格	Machine encasement dimension	3500x1800x2250mm
计杯架装箱规格	Cup counting holder packing specifcation	1230x720x1900mm
额定功率	Rated power	Three-phase 380V,35KW
压缩空气	Compressed air	0.6-0.8MPa,0.6m3/min
最大产能	Max Capacity	60pcs/min
纸杯材料	Paper materials	Single PE/Double PE/PLA
纸张厚度	Paper thickness	0.38-0.5mm
纸杯规格	Product range (square正方形)	(D1) ϕ 155-210mm (H)50-135mm (D2) ϕ 130-170mm (h)7-10mm
	Product range (rectangle矩形)	(D1) ϕ 175-220mm (H)50-135mm (D2) ϕ 155-180mm (h)7-10mm



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NEWTOP-5000D



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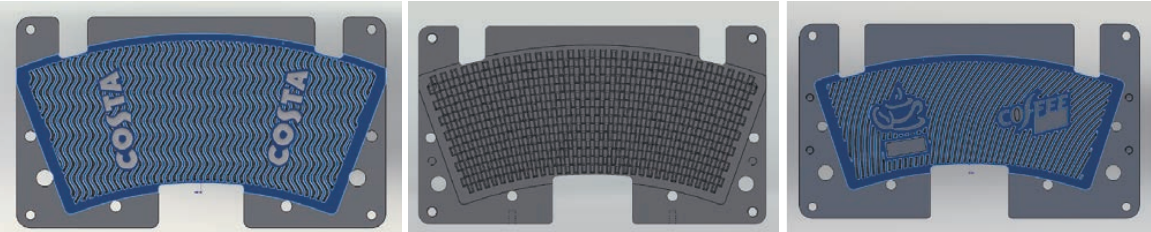


NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-118DT

HIGH SPEED INTELLIGENT PAPER CUP SLEEVE MACHINE

高速智能纸杯外套机



EMBOSSED FORMING PART(OPTION)

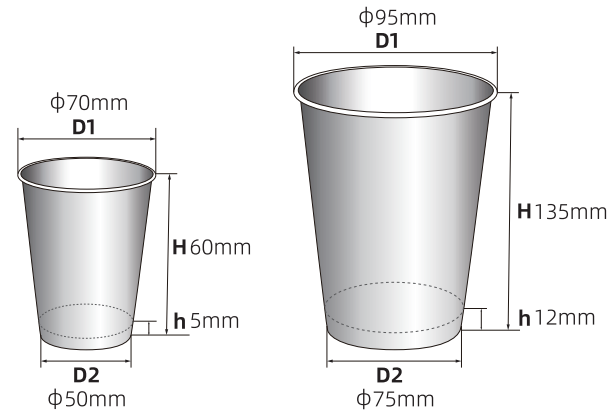
The NEWTOP-118DT high speed intelligent paper cup sleeve machine is using tabletop layout, which isolates the forming parts and transmission parts. All transmission parts are installed in the main frame under the table, using longitudinal shaft, barrel indexing cam and gear transmission, lubricated by oil bath. The forming parts are installed on the table, easy to access for cleaning and maintenance. Machine is controlled by PLC, the whole process is monitored by photoelectric sensors, with servo-controlled glue spraying. Machine is good for making 6- 18oz sleeved paper cup. It is an ideal equipment for making different type of sleeved cups, Embossing unit is an option according to customers' request.

型号	Model	NEWTOP-118DT
重量	Weight	2600kg
装箱规格	Machine encasement dimension	2800 x 1300 x 2250mm
额定功率	Rated power	Three-phase 380V, 5KW
压缩空气	Compressed air	0.6-0.8MPa, 0.4m³/min
纸张厚度	Paper thickness	0.2825~0.4075mm
最大产能	Max Capacity	中空/平贴: 150pcs/min 双层瓦楞: 100pcs/min 单层瓦楞: 80pcs/min
纸杯材料	Paper materials	灰底白板/灰底白卡 口杯 Embossed
纸杯规格	Product range	(D1)φ70-95mm (H)60-135mm (D2)φ50-75mm (h)5-12mm(sleeve height)



压瓦成型部份（另选）

NEWTOP-118DT智能纸杯外套成型机采用台式布局，将成型部分与传动部分隔开。传动部分安装在台面下的机架内，采用纵轴结构，圆柱分度凸轮和齿轮传动，所有传动部件采用淋浴式润滑。成型模具安装在台面上，便于清理维护。全机由PLC控制，全程光电跟踪监控，伺服甩胶。根据产品需要可选配压瓦装置。适合生产6-18oz的带外套的纸杯，隔热效果好。是热饮杯、咖啡杯、瓦楞杯等的理想设备。

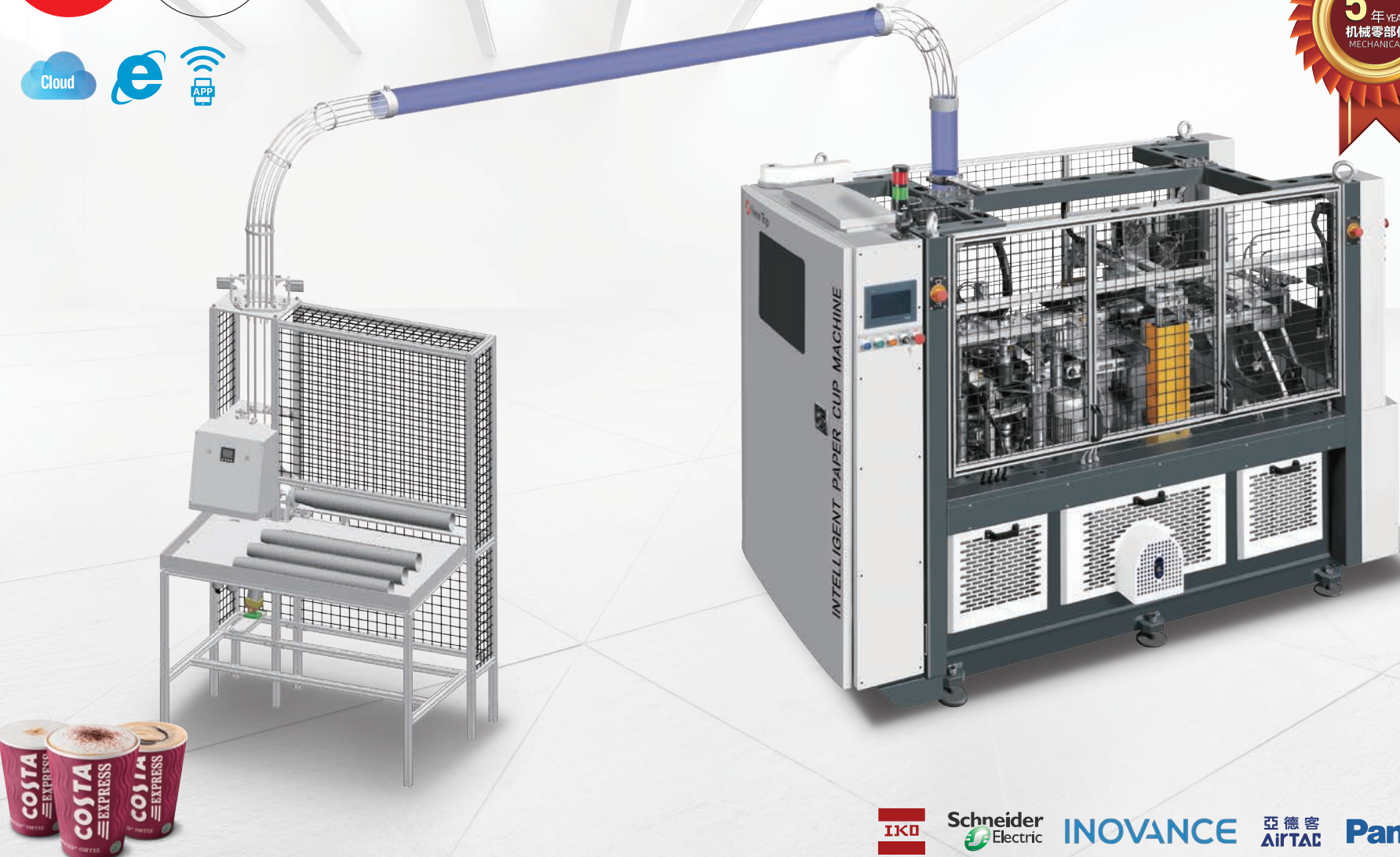


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MAX 150 PCS/MIN

NEWTOP-118DT

Cloud e APP



外贴机系列
PAPER CUP SLEEVE MACHINE SERIES

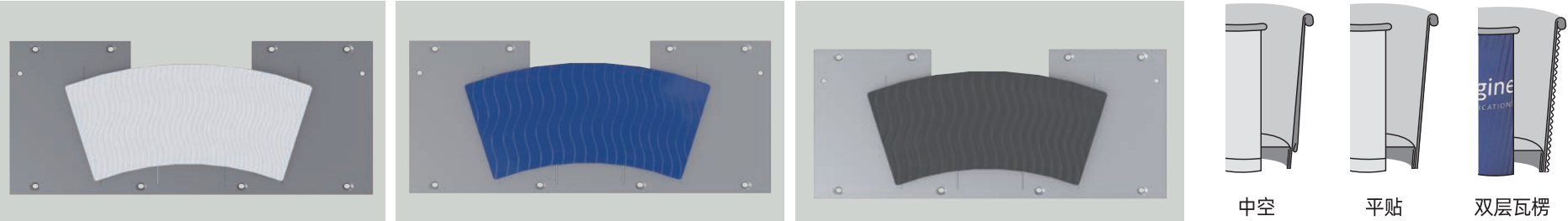
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Actual production speed varies with product size, structure, material and process, and shall be subject to the final recommended speed.



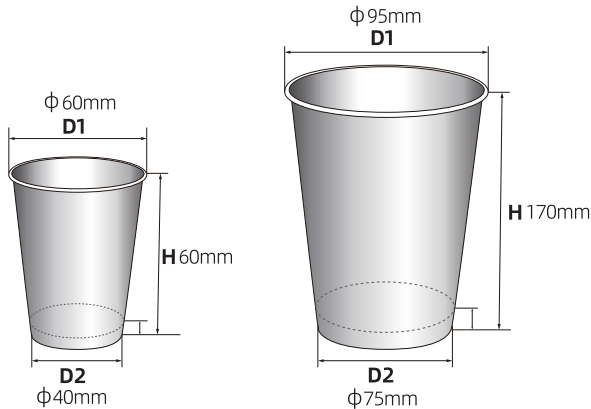
NEWTOP-138WT
HIGH SPEED INTELLIGENT PAPER CUP
SLEEVE MACHINE
高速智能纸杯外套机



The NEWTOP-138WT high speed intelligent paper cup sleeve machine is a model used for making double-walled cups. Based on the NEWTOP-118S platform, this new generation double-walled cup forming equipment utilizes a rotary paper suction and in-line feeding mechanism, matched with a dual-turntable process layout. It features EtherCAT high-speed bus communication technology, employing distributed clock synchronization and electronic cam coordinated control. Equipped with an online glue detection device, it uses a high-frame-rate industrial camera to monitor the glue coverage area in real time, and applies image algorithms to quantitatively analyze the glue layer distribution, eliminating defective products due to poor adhesion and ensuring stable product assembly quality. This machine is suitable for producing multi-specification paper cups with sleeves ranging from 6-20 OZ, and the sleeves can be made with flat or hollow processes, achieving a maximum production capacity of 160 pcs/min.

型号	Model	NEWTOP-138WT
重量	Weight	3300kg
装箱规格	Machine encasement dimension	3300 x 1600 x 2100mm
额定功率	Rated power	Three-phase 380V, 15KW
压缩空气	Compressed air	0.6-0.8MPa, 0.5m³/min
纸张厚度	Paper thickness	0.2825~0.445mm
最大产能	Max Capacity	160pcs/min
纸杯材料	Paper materials	灰底白板/灰底白卡 口杯 Embossed
纸杯规格	Product range	(D1)φ 60-95mm (H)60-170mm (D2)φ 40-75mm

NEWTOP-138WT高速智能纸杯外套机是一款用于制作双层杯的机型。它基于NEWTOP-118S平台推出的新一代双层外套杯的成型设备，采用旋转吸纸与直列式送料机构匹配双转盘工艺布局，搭载ETHERCAT高速总线通讯技术，通过分散式时钟同步与电子凸轮协同控制，搭配胶水在线检测装置，通过高帧率工业相机实时监测胶水覆盖面积，运用图像算法量化分析胶层分布，杜绝胶合不良品，确保产品套合质量稳定。设备适配生产6-20oz多规格带外套纸杯，外套可做平贴和中空工艺，最高产能达160只/分钟。



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扫码观看138WT机器视频

138WT



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外贴机系列
PAPER CUP SLEEVE MACHINE SERIES

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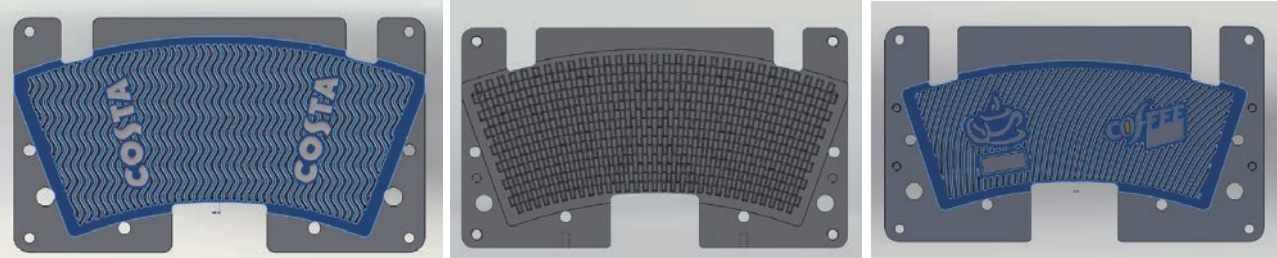
Schneider Electric INOVANCE 亞德客 AIRTAC Panasonic

NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-1250WT

HIGH SPEED INTELLIGENT PAPER CUP SLEEVE MACHINE

高速智能纸杯外套机



EMBOSSED FORMING PART(OPTION)

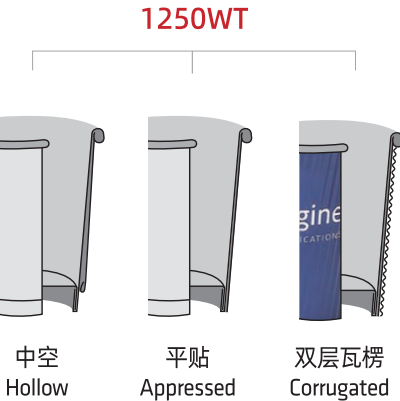
The NEWTOP-1250WT high speed intelligent paper cup sleeve machine is using tabletop layout,which isolates the forming parts and transmission parts,All transmission parts are installed in the main frame under the table, using longitudinal shaft, barrel indexing cam and gear transmission,lubricated by oil bath. The forming parts are installed on the table, east to access for cleaning and maintenance. Machine is controlled by PLC, the whole process is monitored by photoelectric sensors, glue sprayed by servo. Machine is good for making 13-48oz sleeved paper bowl. It is an ideal equipment for making different type of sleeved. Embossing unit is an option according to customers` request.

型号	Model	NEWTOP-1250WT
重量	Weight	2600kg
装箱规格	Machine encasement dimension	2700 x 1300 x 2100mm
额定功率	Rated power	Three-phase 380V, 5KW
压缩空气	Compressed air	0.6-0.8MPa, 0.4m³/min
纸张厚度	Paper thickness	0.2825~0.4075mm
最大产能	Max Capacity	120pcs/min 中空/平贴: 80-120pcs/min
纸杯材料	Paper materials	灰底白板/灰底白卡 Gray board/White board
纸杯规格	Product range	(D1) Φ 90-150mm (H)70-110mm (D2) Φ 80-120mm (h)5-12mm

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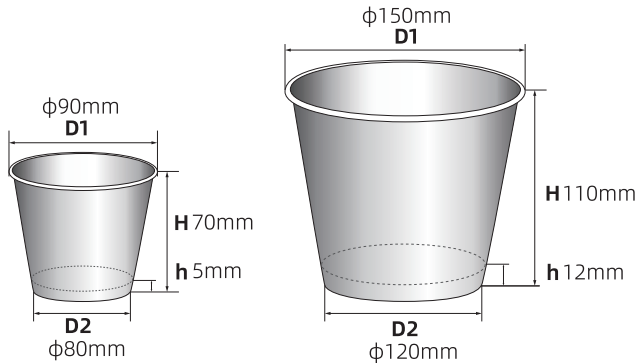


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压瓦成型部份（另选）

NEWTOP-1250WT智能纸杯外套成型机采用台式布局，将成型部分与传动部分隔开。传动部分安装在台面下的机架内，采用纵轴结构，圆柱分度凸轮和齿轮传动，所有传动部件采用淋浴式润滑。成型模具安装在台面上，便于清理维护。全机由PLC控制，全程光电跟踪监控，伺服甩胶。根据产品需要可选配压瓦装置。适合生产13-48oz的带外套的纸杯，隔热效果好。是汤碗、方便面碗、外卖打包碗等的理想设备。



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MAX 120 PCS/MIN

NEWTOP-1250WT

Cloud e APP



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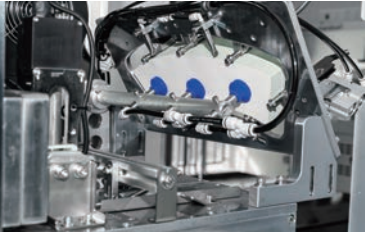


NEWTOP INTELLIGENT PAPER CUP MACHINE

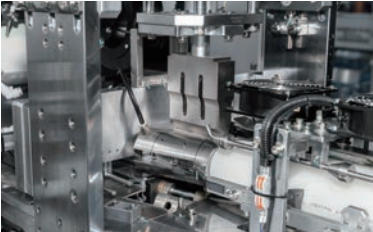
NEWTOP-FW125WT

SERVO PAPER CUP MACHINE

伺服纸杯机



单旋转吸纸
SINGLE ROTARY PAPER SUCTION



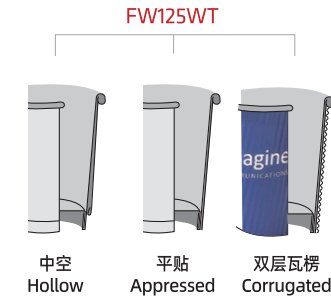
超声波
ULTRASONIC



伺服转盘部分
SERVO TURNT ABLE SECTION

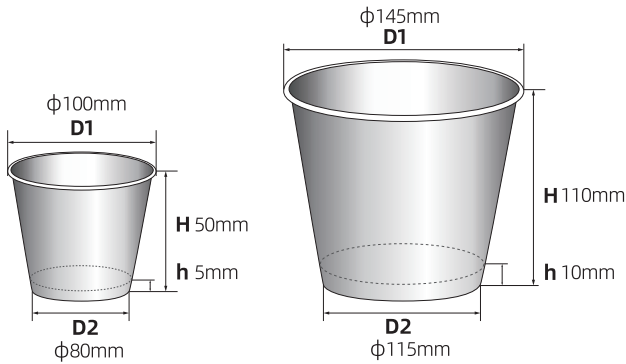


在线胶水检测
ONLINE GLUE INSPECTION



The NEWTOP-FW125WT is a professional model for the production of paper cup sleeve, setting up an innovative benchmark for intelligent and precise control and efficient production. As a new generation of intelligent equipment based on NEWTOP-FW125S platform, FW125WT adopts innovative desktop double turntable process layout, equipped with international leading ETHERCAT high-speed bus communication technology, through decentralized clocking mechanism and electronic cam synergistic control,with a common DC bus scheme to achieve energy efficient operation of the servo system. High frame rate industrial camera real-time monitoring of the glue coverage area,the use of image algorithms to quantitatively analyse the distribution of the glue layer, when the continuous detection of insufficient glue overflow immediately triggered audible and visual alarms to eliminate gluing defects, compared with the manual inspection efficiency increased by 5 times, the equipment to control the coat molding,-gluing, laminating the whole process with high precision movement, perfectly adapted to the production of 32-44oz instant noodle bowls and paper bowls with jackets, compatible with the flat sticker /hollow/corrugated and other processes,compared with the flat stickers/corrugated and other processes. Compatible with flat/hollow/corrugated and other processes,40% higher efficiency than traditional models, with a maximum capacity of 150PCS/MIN.

型号	Model	NEWTOP-FW125WT
重量	Weight	3100kg
机器装箱规格	Machine encasement dimension	2300x1900x2100mm
额定功率	Rated power	Three-phase 380V,18KW
压缩空气	Compressed air	0.6-0.8MPa,0.5m³/min
最大产能	Max Capacity	中空/平贴: 150pcs/min 双层瓦楞: 128pcs/min
纸杯材料	Paper materials	Grey back white board,white card,cup
纸张厚度	Paper thickness	0.2825-0.4075mm
纸杯规格	Product range	(D1)φ100-145mm (H)50-110mm (D2)φ80-115mm (h)5-10mm



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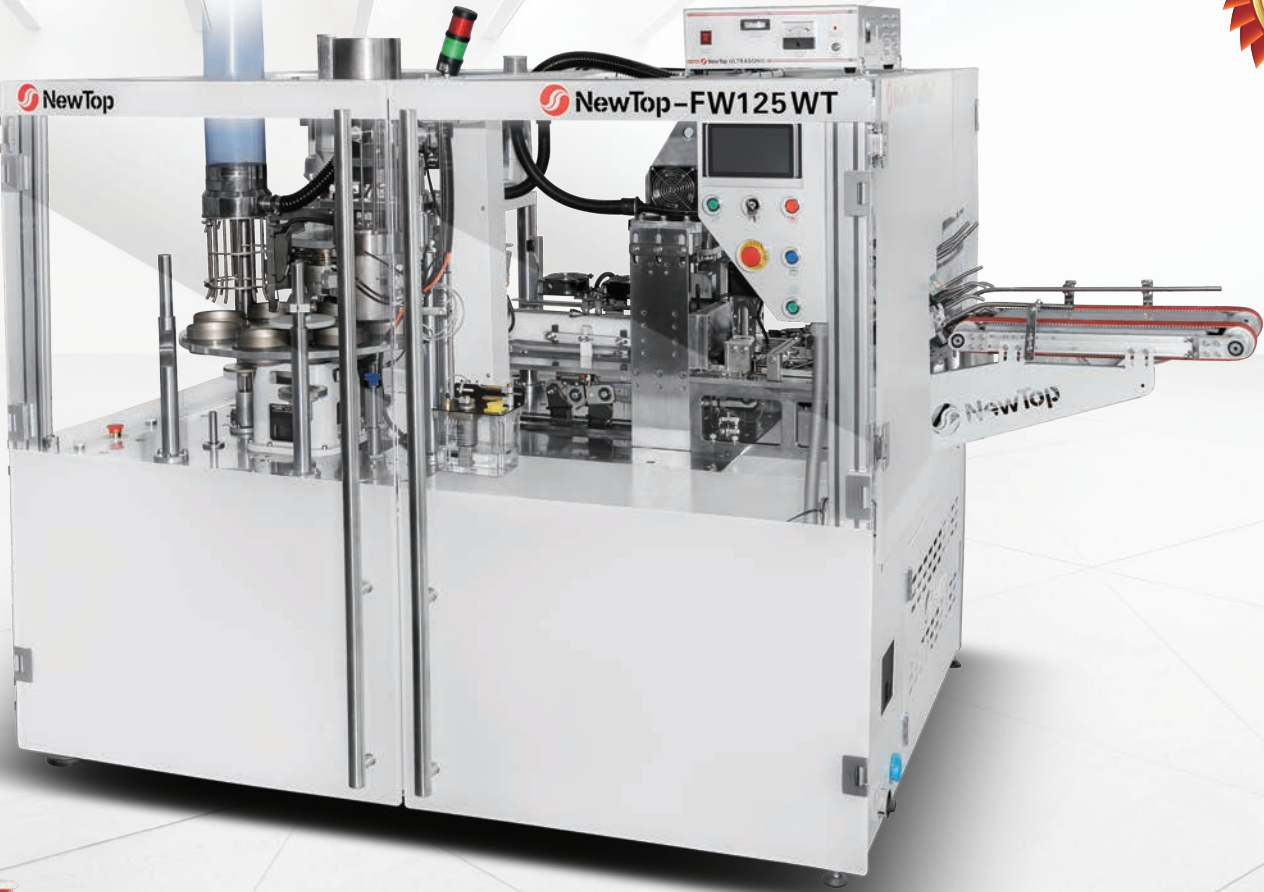
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MAX
150
PCS/MIN



NEWTOP-FW125WT



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NEWTOP-DXD110/150

HIGH SPEED INTELLIGENT PAPER CUP PACKING MACHINE

高速智能纸杯包装机

The NEWTOP-DXD110/150 high speed intelligent paper cup packing machine integrates the functions of automatic feeding,- sealing,sorting and venting.It can be linked with 2 sets of paper cup machines for fully automatic production.This type machine increases the stopping receiving port.The packing machine can also operate independently when linked with the paper cup machine,and its shutdown won't affect the running of the paper cup machine! The length of film feeding can be adjusted automatically according to the size of paper cup caliber.Besides, abeling machine and inkjet printer are optional for tracking color labels, printing production date, production batch number and running number for paper container products.It is the best choice for automated production!

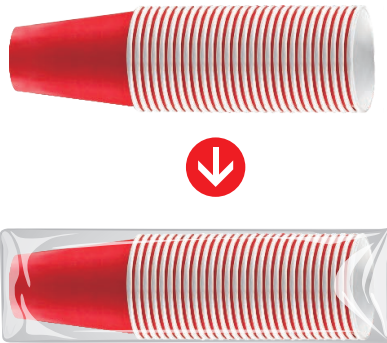
NEWTOP-DXD110/150高速智能纸杯包装机具有自动送料、封袋、分类和排气孔功能，可与2台纸杯机联动作全自动生产。该机型增加停机收料口，包装机与纸杯机联机时也可独立运作，且停机对纸杯机不产生影响!该包装机可根据纸杯口径大小自动调节送膜长度；可选配贴标机和喷码机，对纸容器产品作色标追踪、打印生产日期、生产批号和流水号，是自动化生产的最佳选择!

型号	Model	NEWTOP-DXD110/150
重量	Weight	1400kg
机器装箱规格	Machine encasement dimension	2400 x 1700 x 2000mm（主机）
额定功率	Rated power	Single-phase, 220V, 5.5KW
压缩空气	Compressed air	0.5~0.7MPa, 0.3m³/min
包装速度	Packing speed	15/12 bags/min
包装膜材料	Plastic film material	HDPE/LDPE
包装膜厚度	Packing film thickness	15um-50um
叠杯高	Stacking height	250-650mm
包装口径	Packing diameter	φ70-110mm, φ110-150mm

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NEWTOP-DKX530

INTELLIGENT PAPER CUP ENCASING MACHINE

智能纸杯装箱机

The NEWTOP-DKX530 intelligent paper cup encasing machine adopts the integrated design of opening, loading and sealing,counting , transporting and automatic carton picking and forming functions. The new model adopts digital integrated control,which can complete a series of processes such as pushing the cups into the carton, automatically sending the carton,folding the carton back and forth, and sealing the carton with tape.The overall space occupation is small, the front end can be connected to the packaging machine,the back end can be connected to the roller corveyor line,four corners of the sealing equipment and inkjet labeling equipment.The lifting height can be adjusted based on the size of paper cup caliber and carton size.This equipment is the ideal choice for automated production!

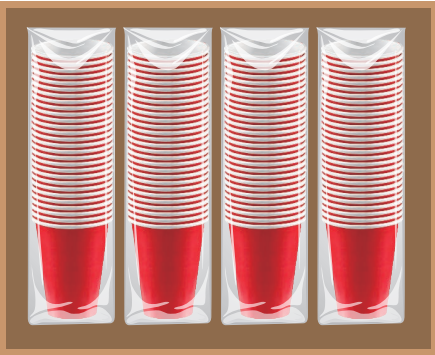
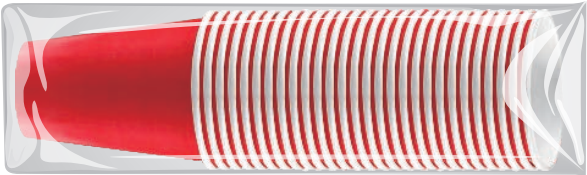
NEWTOP-DKX530智能装箱机采用开箱、装箱、封箱一体化设计，具备计数、运输、自动取箱成型功能。该新款机型采用数字化集成控制，能够完成推杯入箱、自动送箱、前后折箱、胶带封箱等连续动作。整体空间占用小，前端可联包装机，后端可联滚筒式输送线、四角封箱设备和喷码贴标设备等；可根据纸杯口径大小及纸箱大小调节升降高度，是自动化生产的理想选择！

型号	Model	NEWTOP-DKX530
重量	Weight	1500kg
机器装箱规格	Machine encasement dimension	3500 x 2400 x 1750mm
电器规格	Electrical specifications	Three-phase, 380V, 3.5KW
气源规格	Air supply specifications	0.4~0.7MPa, 0.3m³/min
最大产能	Max Capacity	30 cartons/hr
纸箱规格	Carton specifications	L300×W200×H350-L500×W400×H700 mm

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NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-DK500
PAPER CUP
ENCASING MACHINE
纸杯装箱机

The NEWTOP-DK500 paper cup encasing machine has functions of paper cup auto-feeding,cup bags quantity identification,-carton feeding and discharging.It can be linked up to 4 paper cup machines and 1 packing machine as an automatic automatic production line.The lifting be adjusted according to the diameter of the paper cup and the carton size. It is an ideal machine for automation.

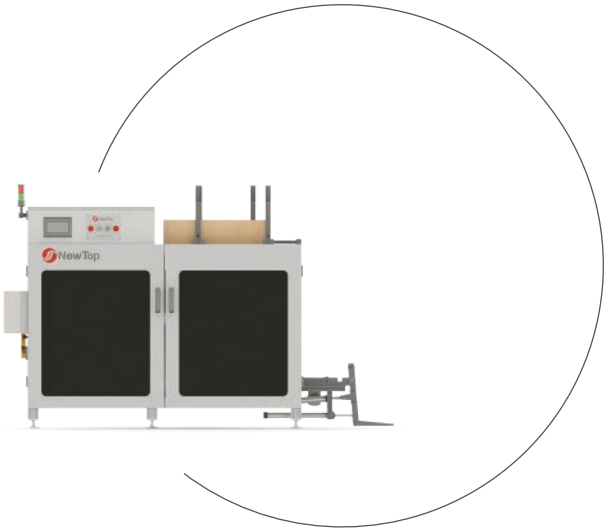
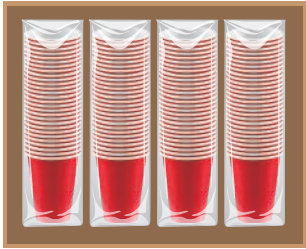
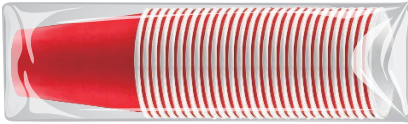
NEWTOP-DK500纸杯装箱机具有自动进杯、识别条数、进箱和出箱功能，可与多达4台纸杯机和1台包装(套袋)机联机进行全自动生产，且可根据纸杯口径大小及纸箱大小调节升降高度。是自动化生产的理想选择!

型号	Model	NEWTOP-DK500
重量	Weight	550kg
机器装箱规格	Machine encasement dimension	1800 x 1600 x 2000mm
电器规格	Electrical specifications	Three-phase, 220V, 2KW
气源规格	Air supply specifications	0.4MPa, 0.5m³/min
最大产能	Max Capacity	30Cartons/Hr
纸箱规格	Carton specifications	500X400X700
纸杯规格	Paper specifications	φ60-95mm(Cup) φ95-150mm(Bowl)

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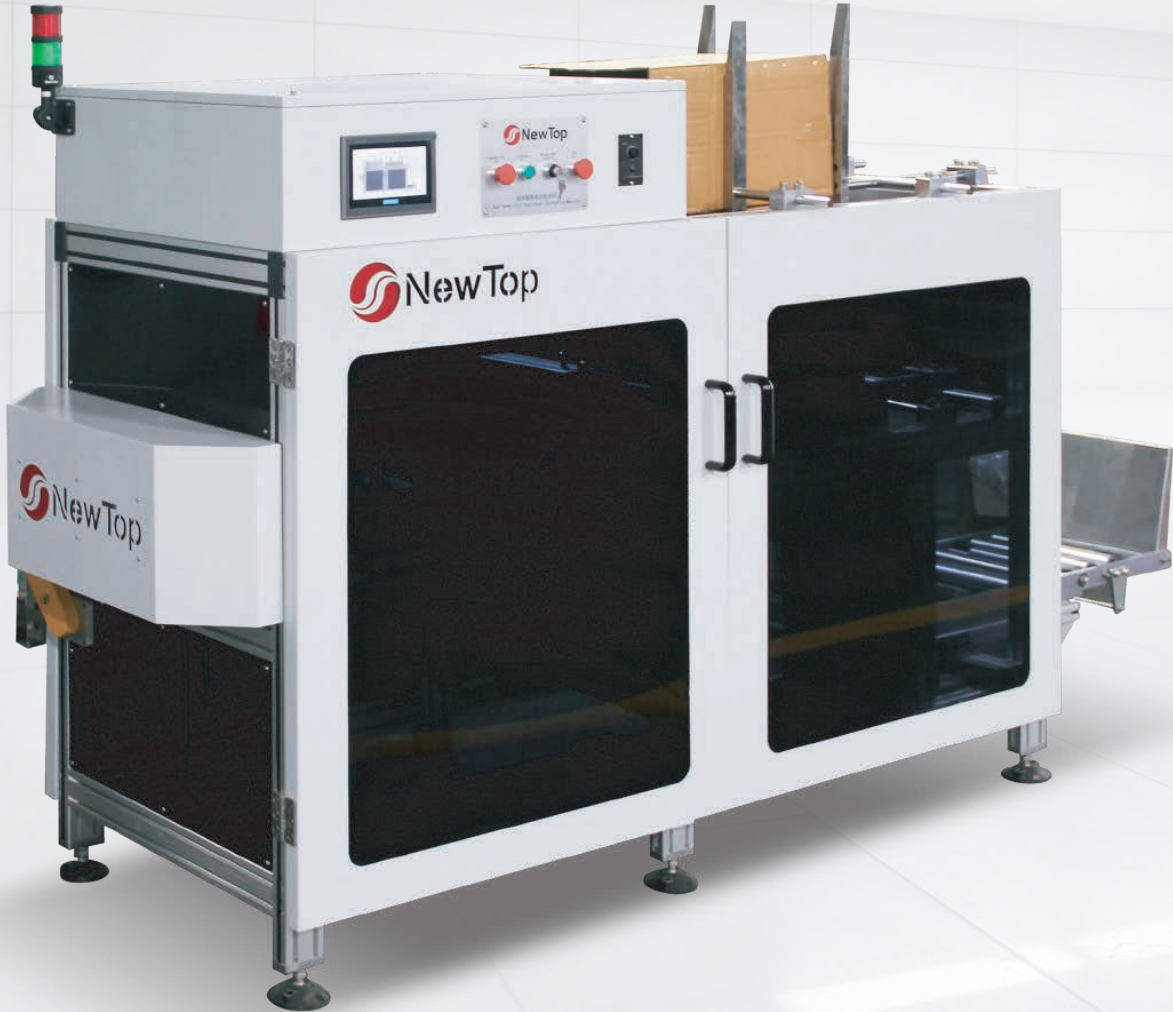
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NEWTOP INTELLIGENT PAPER CUP MACHINE

NEWTOP-YB150

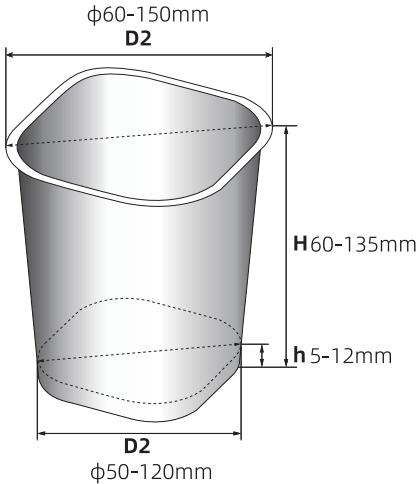
HIGH SPEED PAPER CUP RIM FLATTENING MACHINE

高速纸杯压平口机

The NEWTOP-YB150 high speed paper cup rim flattening machine adopts tabletop layout,which isolates the flattening parts and transmission parts. All the transmission parts are installed in the main frame under the table and lubricated by grease with intermittent supply automatically.The upper devices are positioned around the indexing turret based on the forming process.The machine is controlled by PLC, the whole process is monitored by photoelectric sensors. This machine is good for flattening $\phi 60\text{-}\phi 150\text{mm}$ paper cup rim.

NEWTOP-YB150高速纸杯压平口边机采用桌面式布局，将成型机构与传动机构分离。传动机构设置在台板下的箱体内，采用油脂间隙式自动润滑。台板上部依据成型工艺设置在分度转盘周围。电气采用PLC控制，全程光跟踪监控，适合对直径60-150的纸杯进行压口。

型号	Model	NEWTOP-YB150
重量	Weight	2000kg
机器装箱规格	Machine encasement dimension	2150 x 1450 x 2200mm
电器规格	Electrical specifications	Three-phase, 380V, 16KW
气源规格	Air supply specifications	0.6~0.8MPa, 0.2m³/min
最大产能	Max Capacity	120pcs/min
纸杯规格	Paper specifications	(D1) $\phi 60\text{-}150\text{mm}$ (H)60-135mm (D2) $\phi 50\text{-}120\text{mm}$ (h)5-12mm



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120
PCS/MIN

NEWTOP-YB150

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NEWTOP INTELLIGENT PAPER CUP MACHINE

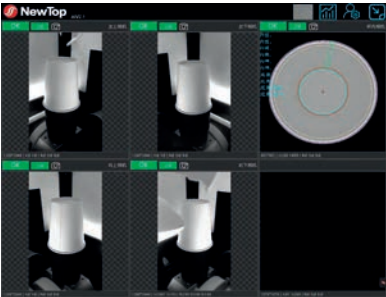
NEWTOP-JA200

PAPER CUP AI VISUAL INSPECTION MACHINE

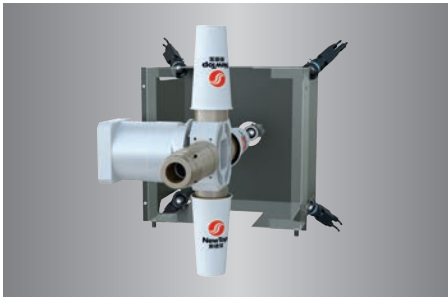
独立AI视觉检测机



螺旋下杯
SPIRAL DOWN CUP



检测系统
DETECTION SYSTEM



杯外旋转检测
CUP EXTERNAL ROTATION DETECTION



杯内旋转检测
CUP ROTATION DETECTION

The NewTop-JA200 paper cup AI visual inspection Machine uses a unified main platform and can be set up with a single-channel or dual-channel inspection system based on the customer's production capacity and inspection needs. The single-channel version comes standard with 5 industrial cameras and can be upgraded to 6, while the dual-channel version can support up to 12 industrial cameras. The machine can capture images from multiple angles of the paper cup's rim, inside, bottom, and outer surface, checking for common defects like stains, burst rims, rolled edges, collapsed bottoms, crescent bottoms, and unusual patterns. The single-channel version can inspect up to 160 cups per minute, and the dual-channel can go up to 2 × 160 pcs/min. It also supports automatic OK/NG judgment, defective product removal, and inspection data statistics, effectively boosting inspection efficiency, consistency, and quality traceability.

型号	Model	NEWTOP-JA200
重量	Weight	1000kg
机器装箱规格	Machine encasement dimension	1750 x 1350 x 1800mm（主机）
额定功率	Rated power	Three-phrase, 380V, 9KW
压缩空气	Compressed air	0.3~0.5MPa, 0.2m³/min
检测速度	inspection speed	160 pcs/min
单杯高度	Single cup height	(H)70-140mm
纸杯口径	Cup diameter	φ70-100mm

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MACHINE STANDARD AND
OPTIONAL CHART

机型标配及选配表

序号 Number	机型 名称 Model Name	机型 型号 Model Number	外观 配置 Appearance Configuration	在线检测仪 Online Inspection Instrument		联机配置 Outer Unit Optional Configurations																备注 Remarks
				立式 Vertical		卧式 Horizontal		上料部分 Loading Unit		收杯部分 Cup Handling Module				外套联机部分 Outer Unit Interconnect Module				管道 Pipeline				
				单相机 Single-camera	双相机 Dual-camera	三相机 Triple-camera	喷 雾 Spray	纸片输送1 Paper Sheet Conveying 1	纸片输送2 Paper Sheet Conveying 2	理杯机 Cup Orienting Machine	横飞理杯机 Horizontal-flight Cup Orienter	叠飞理杯机 Stack-flight Cup Orienter	包装理杯机 Packaging Cup Orienter	一进一出理杯机 Single-feed Single- Discharge Cup Orienter	一进两出理杯机 Single-Input Dual- Output Cup Orienter	旋转机构 Rotary Mec- hanism	单联机通道 Single Interconnect Channel	分路三通 Tri-flow Orienter	弯头 Elbow	玻璃管 Glass Tube		
																						
1	高速智能 纸杯机 High-Speed Intelligent Paper Cup Machine	NewTop-118S+SY		○	○	-	● 旋转吸	○	-	●	○	○	○	○	○	○	●	○	○	○		
2		NewTop-118S+ZY		○	○	-	● 旋转吸	○	-	●	○	○	○	○	○	○	●	○	○	○		
3		NewTop-118C		○	○	-	● 旋转吸	○	-	●	-	-	-	○	○	○	●	○	○	○		
4		NewTop-168C		○	○	-	● 旋转吸	-	-	●	-	○	○	○	○	○	●	○	○	○		
5		NewTop-168S9		○	○	-	● 旋转吸	-	-	●	-	○	○	○	○	○	●	○	○	○		
6		NewTop-1250S		○	-	-	● 旋转吸	○	-	●	○	○	○	○	○	○	●	-	○	○		
7		NewTop-1250D		○	-	-	-	○	-	●	-	●	-	-	-	-	●	-	-	-		
8		NewTop-5000S		○	○	-	-	-	○	●	○	-	-	-	-	○	●	-	○	○		
9		NewTop-5000S8		○	○	-	-	-	○	●	○	-	-	-	-	○	●	-	○	○		
10		NewTop-5000D		-	-	-	-	-	○	●	-	●	-	-	-	-	●	-	-	-		
11		NewTop-5000D8		-	-	-	-	-	○	●	-	●	-	-	-	-	●	-	-	-		

注：
(1) “●” 该机型标准配备 “○” 该机型选装配备 “-” 该机型不可选配
(2) 本目录内容根据印制时纸杯机配置状态信息编制。鉴于新德宝不断对纸杯机改型和改进，具体细节请咨询浙江新德宝机械有限公司。

Remark:
(1) “●”Standard “○”Optional “-”Not Available
(2) This catalogue is made uder current paper cup machine configuration. Since Newtop keep improving and innovating, for more details please contact with our company.

新德宝智能纸杯机，工作原来如此简单！
db@debaochina.com

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12		NewTop-5000D		-	-	-	-	-	-	●	-	●	-	-	-	-	●	-	-	-		
13	高速智能 纸杯外套机 High-Speed Intelligent Paper Cup Sleeve Machine	NewTop-118DT		○	○	-	● 旋转吸	-	-	●	-	○	○	○	○	○	●	-	○	○		
14		NewTop-138WT		○	○	-	● 旋转吸	-	-	●	-	○	○	○	○	○	●	-	○	○		
15	伺服纸杯机 Servo Paper Cup Machine	NewTop-FB100S		○	○	-	● 旋转吸	-	-	●	○	○	○	○	○	-	●	○	○	○		
16		NewTop-FB158SV1		○	○	-	● 旋转吸	-	-	●	○	○	○	○	○	-	●	○	○	○		
17		NewTop-FW135S		○	○ 三相机	-	● 旋转吸	-	-	●	○	○	○	○	○	-	●	○	○	○		
18		NewTop-FW135C		○	○ 三相机	-	● 旋转吸	-	-	●	○	○	○	○	○	-	●	○	○	○		

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[illegible]

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This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

NEW DEBAO 5S
SERVICE SYSTEM
5S服务体系

1S

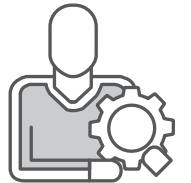
整机销售
MACHINE SAL ES



提供产品介绍、选型资料，为客户定制产品
提供设计方案与咨询
Provide product introduction and selection,
customized products
Provide design and consulting

2S

配件销售
SPARE PARTS SALES



配件销售
保质期内配件更换或维修
Parts sales
Parts replacement or repair
under warranty period

3S

信息反馈
INFORMATION FEEDBACK



故障反馈统计
客户对设备改进建议反馈
Fault statistics feedback
Customer feedback for
equipment improvement

4S

售后服务
AFTER-SALES SERVICE



现场安装指导
辅助调试/日常维护
On-site installation guiding
Assistant trouble shooting
/ Routine maintenance

5S

解决方案
SOLUTION



保养人员的培训
设备托管
Technician training
Machine trustee
management

5S网点联系方式 CONTACTS FOR 5S NETWORK		
河南省 HENAN PROVINCE	湖北省 HUBEI PROVINCE	
联系人: 卢少华 13736922992	联系人: 杜盼 18757779666	
Contacts: Lu ShaoHua	Contacts: Du Pan	
MB: +86 13736922992	MB: +86 18757779666	

土耳其 TURKEY BRANCH	俄罗斯办事处 ПРЕДСТАВИТЕЛЬСТВО В РОССИИ	意大利 ITALY
Contacts: Penny Xu	Tel: +8613910880697 Василий Цюань	Contacts: Will Hao
sale5@debaochina.com	Tel : +79138399300 Антон (Новосибирск)	will@debaochina.com
MB: +8618958876690		MB: +86 13381509398

NEW DEBAO business scope covers all over the world, for providing reliable service for customers' production. NEW DEBAO treats "five in one" as the core of the intelligent paper cup machine marketing mode. We will set up NEW DEBAO 5S service shops world wide, professional technical engineers can provide customers with timely and efficient service.

新德宝业务范围覆盖全球各地区，
为了给客户工厂的正常生产提供保障，
新德宝将以“五位一体”为智能纸杯机营销模式的核心，
在全球范围内设立新德宝5S店，
常年派驻一批专业的技术工程师为客户提供及时有效的服务。

新德宝智能纸杯机，工作原来如此简单！
db@debaochina.com

二十年多不懈努力，成就今日新德宝！

AFTER OVER TWENTY YEARS OF UNREMITTING EFFORTS,
ACHIEVE TODAY'S BRILLIANT!

Since 2001, New Debao has been committed to the innovation and improvement of paper cup machine. With all New Debao staffs effort, we now get good reputation within the industry

自2001年创办以来，新德宝一直致力于纸杯成型机的创新、精进，
在一批又一批新德宝人的不懈努力下，并且得到行业内用户的好评。



OUR CLIENTS 我们的客户

Our customers spread all over the world,
New Debao's view of clients: Treat customer's requirement as priority

我们的客户遍布世界各地。

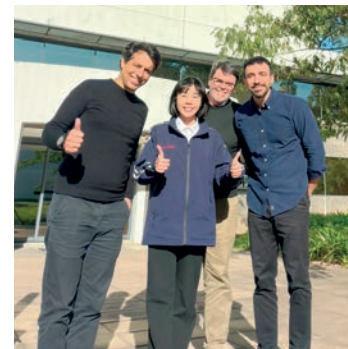
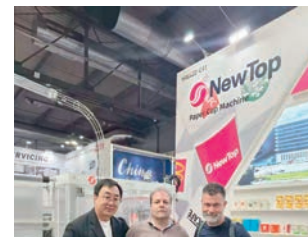
新德宝的客户观：一切以客户的价值需求为根本



CLIENTS' FACTORIES 客户工厂展示

NewTop's Vision
Make Intelligent Equipment
Change The World

新德宝的使命：
让智能设备改变世界



CORPORATE CULTURE
企业文化



New Debao create relationship as a family, school, army and supervisor, which also establish “New Debao business college” to ensure staffs learn from working by talents replication, improve self-thinking consciousness and achieve dream in the process of working.

新德宝创建家庭化、学校化、军队化、领导导师化，建立“新德宝商学院”，
实现人才复制，使每个德宝人在工作中学习，
在学习中工作，不断提升自我的思维意识，实现人生的梦想。

PRODUCTION WORKSHOP
生产车间

We now have more than 600 employees,
with production capacity of 200 sets of machines per month .

现有员工600余人，月生产能力达200台以上。

Our processing equipments are equipped with world-class CNC multi-axis Turning-Milling compound, such as DMG MORI, Hardinge, Doosan, TSUGAMI, Mazak and so on. The laboratory is equipped with Zeiss three coordinates, Mitutoyo roughness measuring instrument, profilometer, SPECTRO spectrometer, Omega tool setter and other inspection equipment, to achieve the accuracy of inspection for machine parts, to ensure the overall reliability of the cup machines, to truly ensure the high quality, to achieve world-class product standards.

我们的加工设备配置世界一流的多轴联动（车铣复合-TURN MILLING COMPOUND）CNC数控加工设备，如德国德马吉（DMG MORI）、美国哈挺（HARDINGE）、韩国斗山（DOOSAN）、日本津上（TSUGAMI）、马扎克（MAZAK）等，同时实验室配有德国蔡司（ZEISS）三坐标、日本三丰（MITUTOYO）粗糙度测量仪、轮廓仪、德国斯派克光谱仪（SPECTRO）、德国欧美伽对刀仪（OMEGA）等等检验设备，实现了检验加工零件的精度，保证了纸杯机的整体可靠性，真正做到品质的高度保证，做到产品世界一流的标准。

