



南京滕达机械设备有限公司

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安徽腾达挤出智能装备有限公司

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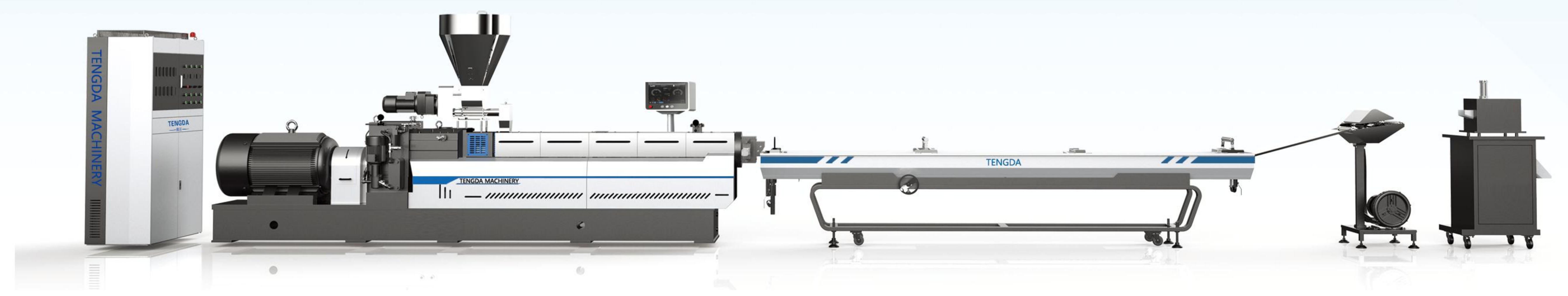
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中国兵器装备集团自动化研究所双螺杆技术研发事业部 >>>

Twin Screw Technology R&D Division of Automation Research Institute of China North Industries Group

科技创新板挂牌企业, 企业代码: 655836



TENGDA
——滕达——

南京滕达机械设备有限公司 | 安徽腾达挤出智能装备有限公司
Nanjing Tengda Machinery CO., LTD. | Anhui Tengda Extrusion Intelligent Equipment CO., LTD.



>>> 入选CCTV国家品牌计划



南京瞪羚企业



国家高新技术企业



扫一扫, 加入我们

世标认证
ISO9001

CE SGS

TUV
SUD

IAF
INTERNATIONAL ASSOCIATION OF CERTIFICATION BODIES

CNAS
CHINA NATIONAL CERTIFICATION AND MARKETING ASSOCIATION

南京滕达机械设备有限公司于2013年与中国兵器

装备集团自动化研究所联合成立双螺杆技术研发事业部



Nanjing Tengda Machinery Co., Ltd. and China North Industries Group Automation Research Institute jointly established the twin-screw Technology R&D Division in 2013.

公司简介



南京滕达机械设备有限公司——创立于2009年，占地38亩，建筑面积26000多平方米，是一家专业从事塑料加工成套设备的产品研发、生产和销售的国家高新技术企业。我们拥有行业资深的研发团队，专业致力于以双螺杆挤出机为核心的产品研发与生产制造。历经二十余年精工研创，已形成了以双螺杆挤出机为基础的成套全自动高聚物加工生产线，以及高端关键零配件的自主生产，在研发、设计、制造、应用等方面，都建立了完整的产业链。

2013年与中国兵器装备集团自动化研究所联合成立了双螺杆技术研发事业部，将其前沿技术引入我公司的民用产品，更大限度地发挥军工技术优势。

2020年由南京发改委授牌成立南京淀粉降解塑料成型装备工程研究中心。

2022年在安徽马鞍山国家高新技术开发区新建安徽腾达挤出智能装备有限公司，以现代智能化工厂的标准，建设面积18000多平方米的厂房和研发楼。

我们立足中国、走向世界，在全球范围内也已形成了跨国家、跨地区的制造业服务及贸易营销团队。



荣誉资质 Plenty of Honors



公司获得江苏省高新技术企业，国家高新技术企业。

荣获“2021年南京瞪羚企业”称号。该殊荣代表着市发改委对南京滕达多年来繁荣健康发展以及所取得的成绩的认可。

已通过ISO:9001国际质量管理体系认证、欧盟CE认证、德国莱茵TUV认证，拥有各项专利50余项。

Our company was awarded as Jiangsu High-tech Enterprise and National High-tech Enterprise.

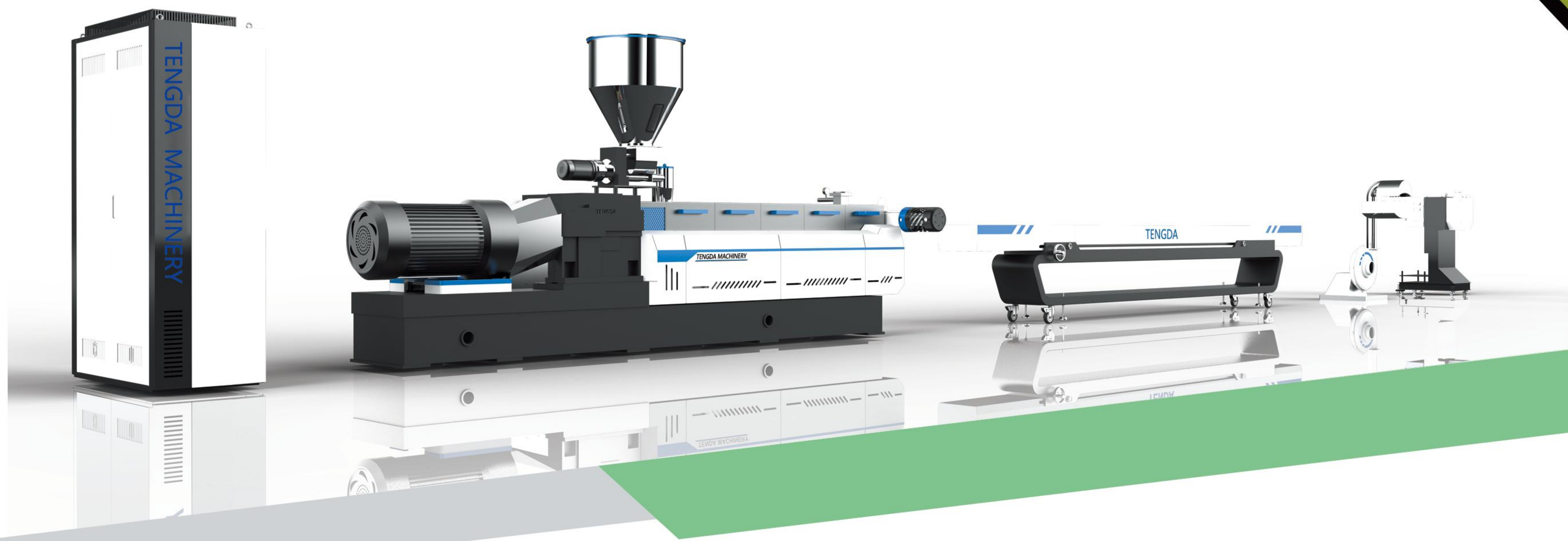
Won the title of "2021 Nanjing Gazelle Enterprise". This award represents the recognition by the Municipal Development and Reform Commission of Nanjing Tengda's prosperous and healthy development over the years and its achievements.

Our company has passed ISO:9001 international quality management system certification, EU CE certification, TUV Rheinland certification, and has more than 50 patents.

Company Introduction

Nanjing Tengda Machinery Co., Ltd.—founded in 2009, is a national high-tech enterprise specializing in the R&D, production and sales of complete sets of plastic processing equipment. We have a senior R&D team in the industry, dedicated to product development and manufacturing with twin-screw extruders as the core. After more than twenty years of precision research and innovation, we have formed a complete set of fully automatic polymer processing production lines based on twin-screw extruders, as well as independent production of high-end key parts. A complete industrial chain has been established in terms of R&D, design, manufacturing, and application. In 2013, we established a twin-screw technology research and development department jointly with the Automation Research Institute of China North Industries Group, and introduced its cutting-edge technology into our company's civilian products to maximize the advantages of military technology. In 2020, the Nanjing Development and Reform Commission awarded the establishment of the Nanjing Starch biodegradable Plastic Molding Equipment Engineering Research Center. In 2022, we will build a new Anhui Tengda Extrusion Intelligent Equipment Co., Ltd. in Maanshan National Hi-Tech Development Zone in Anhui, China, and construct a plant and R&D building with an area of more than 18,000 square metres with the standard of a modern intelligent factory. We are based in China, going to the world, and have formed a cross-country and cross-regional manufacturing service and trade marketing team on a global scale.





50多项实用新型及发明专利



国家高新技术企业

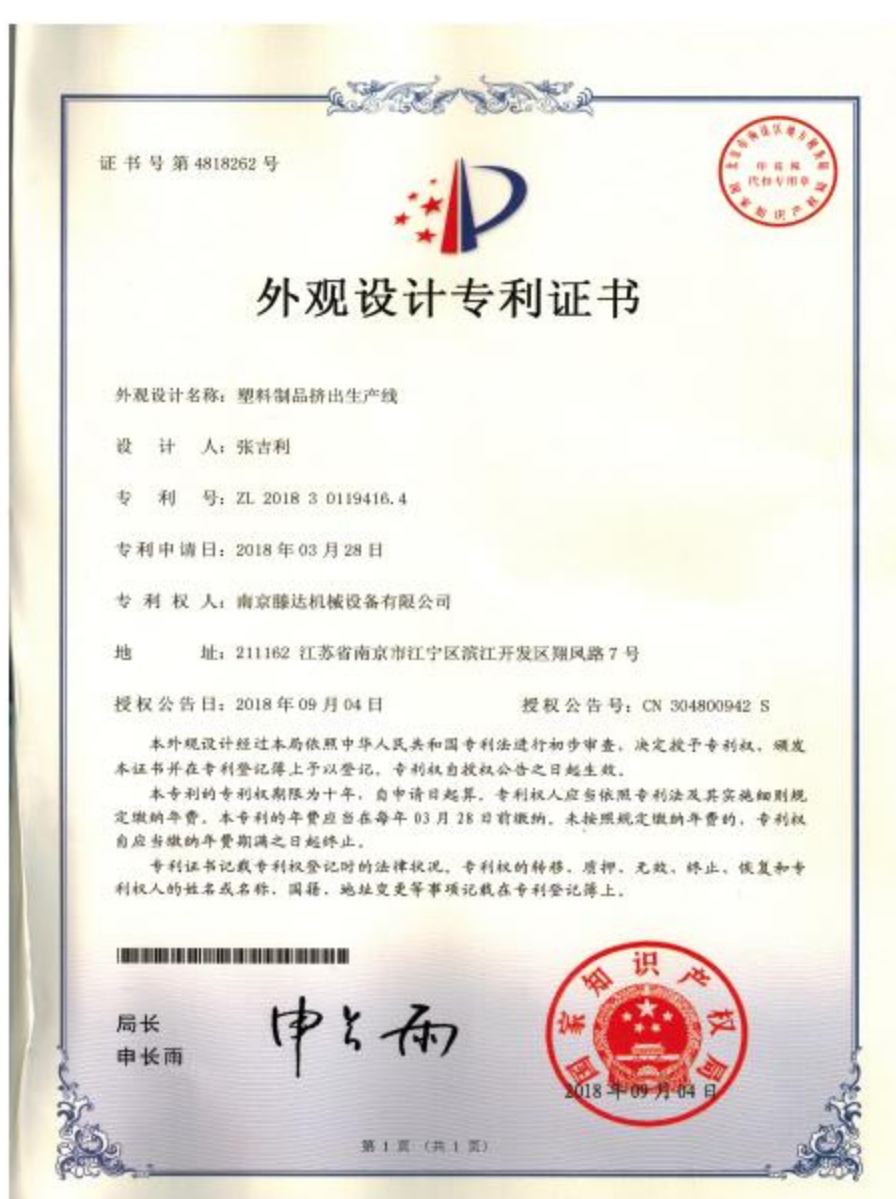
世标认证
ISO9001

CE SGS



企业资质与证书

Enterprise qualification and enterprise certificate



塑料制品挤出生产线
Plastic products extrusion line



自动化挤药填装机
Automatic squeezing medicine filling machine



一种高扭矩双螺杆齿轮箱
High-torque twin-screw gearbox



一种油冷却系统的辅助设备
Auxiliary equipment of oil cooling system



一种挤出机外部循环水系统
External circulating water system of extruder



防堵料真空排气管装置以及挤出机
Anti-blocking vacuum exhaust device and extruder



挤出机双工位不停机换网器
Double station non-stop screen changer for extruder



水下切悬挂装置
Underwater cutting suspension device



透明双螺杆试验机
Transparent twin screw experimental machine



无纺布切粒专用料仓
Non-woven granulating special silo



液压分离式挤出机机筒
Hydraulic separation extruder barrel



一种挤出机新型加热机筒
New type of extruder heating barrel



一种水环热切振筛生产线
Water ring hot cutting vibrating screen production line



新型上下换网机头
New type screen changer machine head



电机启停的控制装置
Control device for motor start and stop



电机升降调整垫
Motor lifting adjustment pad



压缩仓薄膜加料装置
Compression silo film feeding device



一种小型制粒机
Small pelletizer



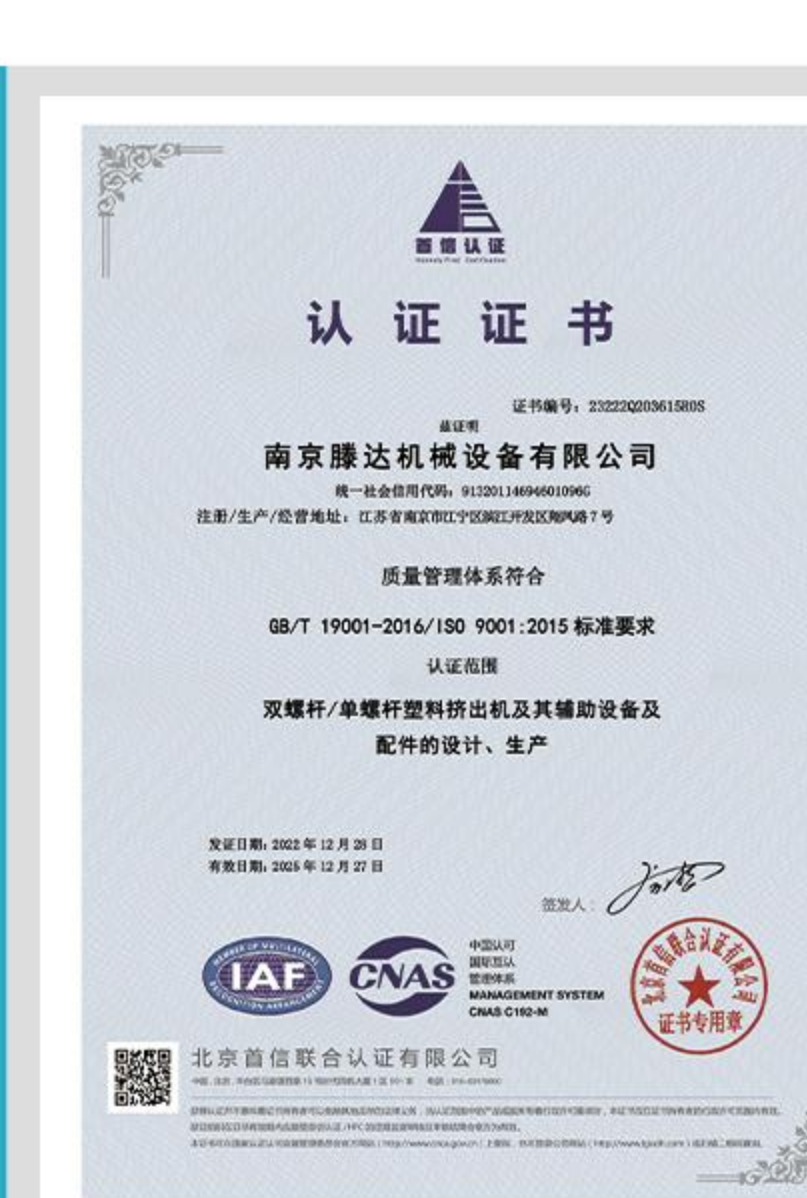
3D打印挤出机
3D filament printing extruder



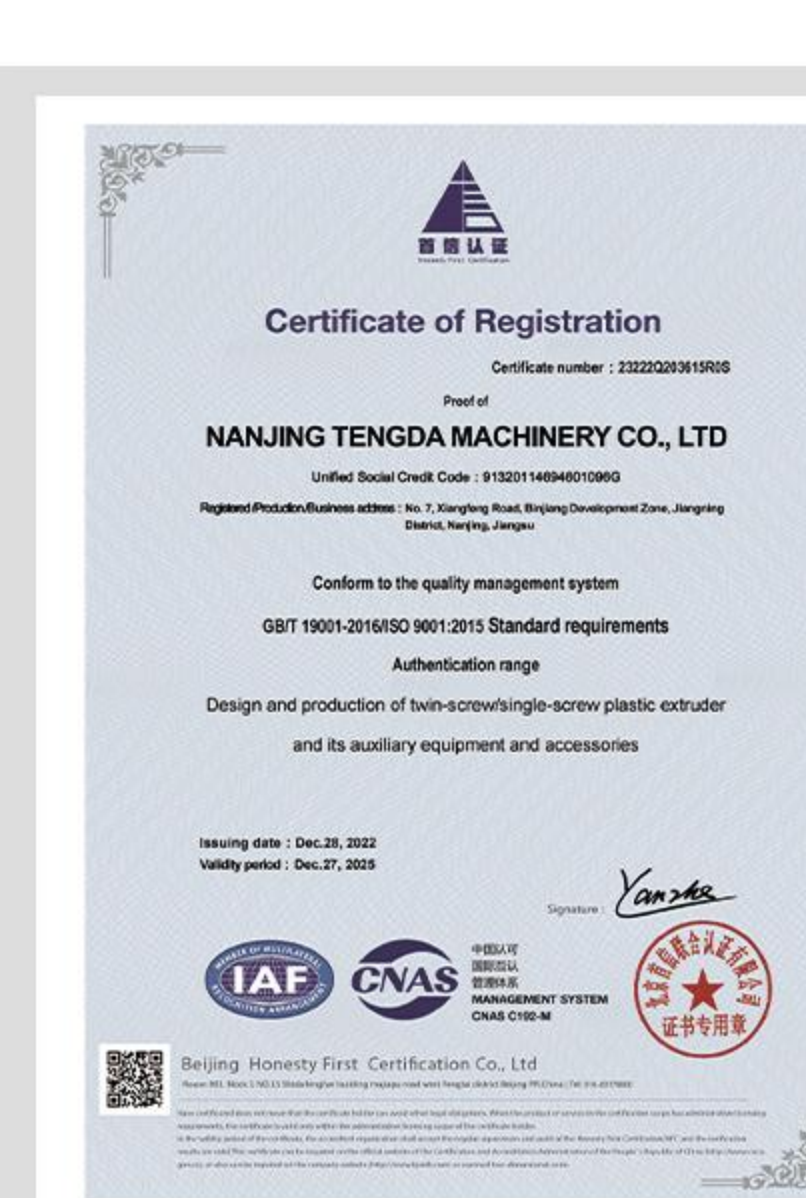
TUV认证
TUV certification



Ce认证
CE certification



ISO9001认证
ISO9001 certification



产品检验报告
Product inspection report



2013 年，正式挂牌为中国兵器工业第五八研究所双螺杆技术研发事业部。



国务院副总理张德江来中国兵器装备集团自动化研究所视察



2015 年 4 月 22 日，科工局财审司范兴敏副司长一行来中国兵器装备集团自动化研究所视察。



2016 年 5 月 20 日，集团公司副总经理李守武来中国兵器装备集团自动化研究所视察。



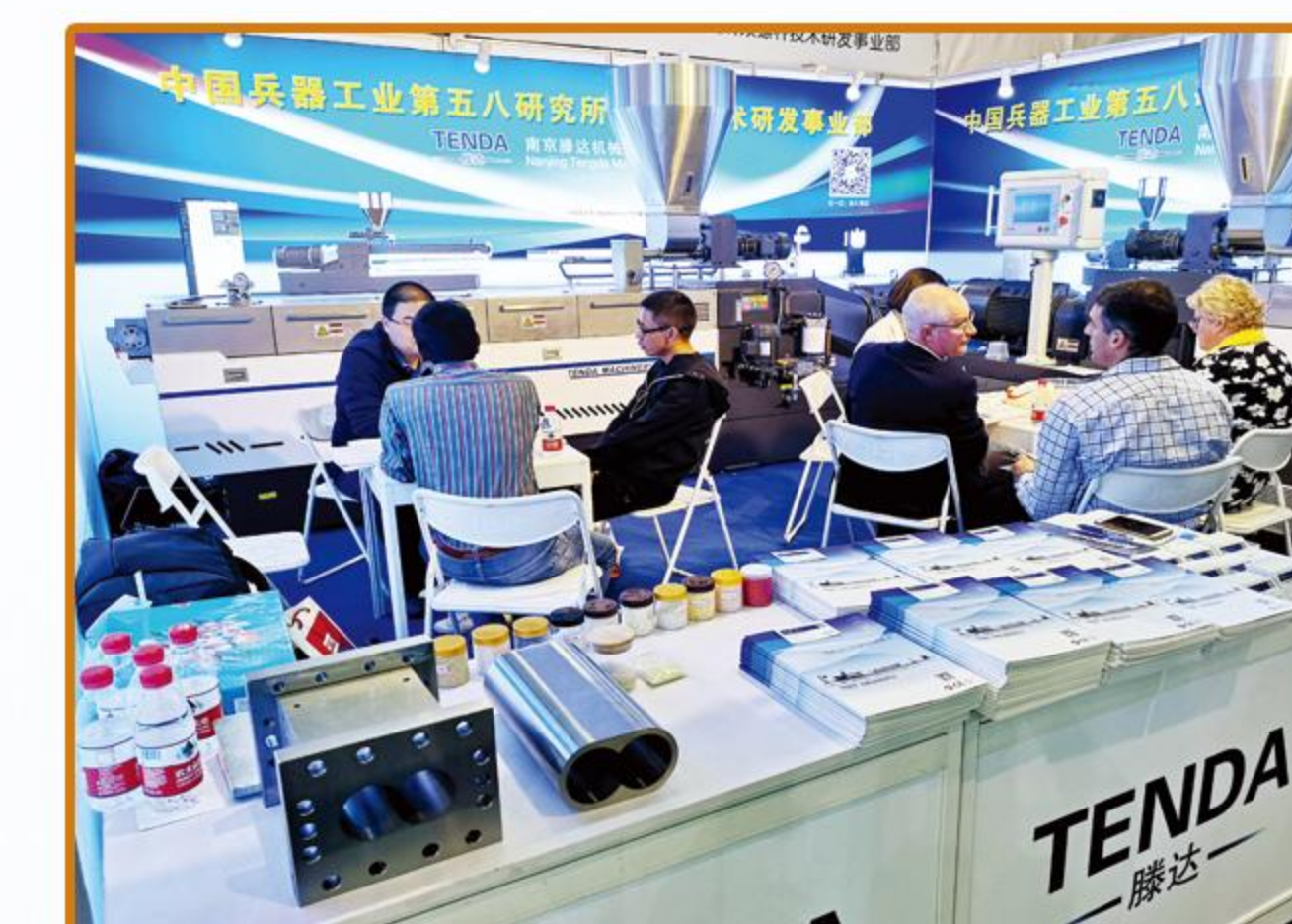
2014 年 9 月 27 日，中国颗粒学会常务理事李凤生教授来我公司考察指导。



中国兵器装备集团自动化研究所党委书记、董事长周勇和高丰总经理来公司指导工作。



入选 CCTV 国家品牌计划



中国展会 Chinaplas



印度展会 Indiaplast



土耳其客户 Turkish Customers



乌克兰客户 Ukrainian Customers



越南客户 Vietnamese Customers



俄罗斯客户 Russian Customers



美国客户 American Customers



南非客户 South African Customers



泰国客户 Thailand Customers



葡萄牙客户 Portuguese Customers



印度客户 Indian Customers

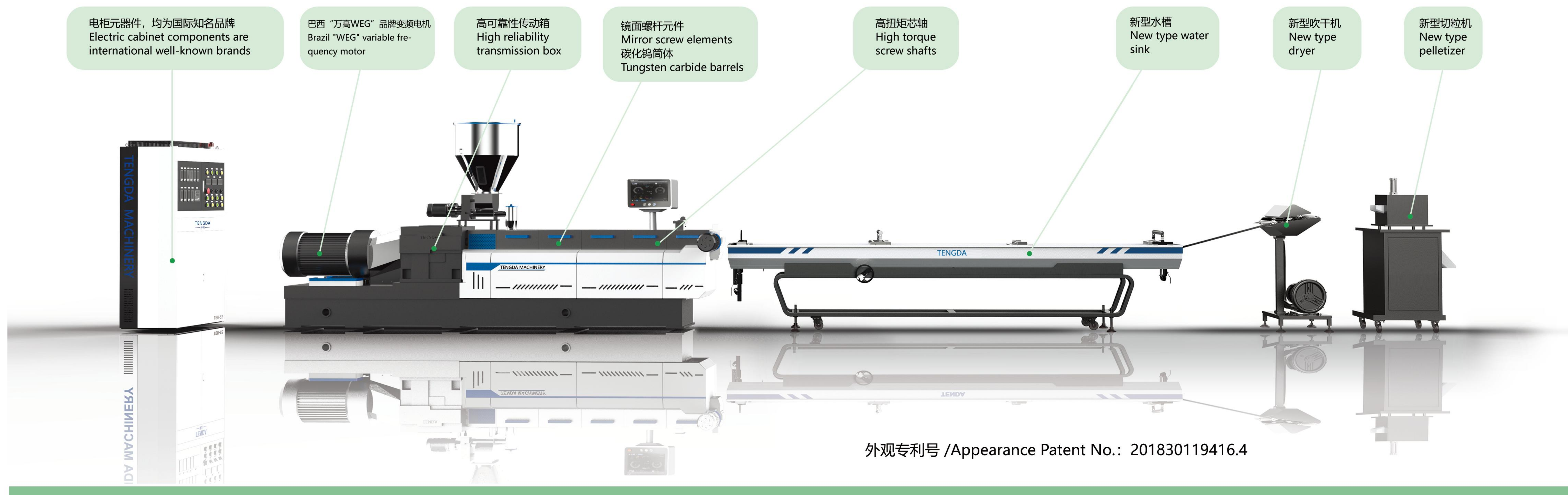


CONTENTS

目 录

■ 产品目录 Products Catalog	
◆ TSH-Plus系列同向双螺杆混炼 / 造粒机组	01
TSH-Plus Series Co-rotating Twin-screw Compounding/Pelletizing Units	
◆ TDH系列同向双螺杆混炼/造粒机组	03
TDH Series Co-rotating Twin-screw Compounding/Pelletizing Units	
◆ TSH系列实验型同向双螺杆混炼/造粒机组	05
TSH Series Experimental Co-rotating Twin-screw Compounding/Pelletizing Extruder System	
◆ 水环模面热切混炼造粒生产线	07
Water-ring Hot-face Compounding/Pelletizing Units	
◆ PLA/PBAT/PBS生物降解材料降解生产线	09
PLA/PBAT/PBS etc. biodegradable granules production line	
◆ 冲水式双螺杆PET造粒生产线	11
Twin Screw PET Underwater Strand Pelletizing Line	
◆ 破碎料专用双阶造粒生产线	13
Two-stage granulation production line for recycled flakes and scraps	
◆ TD-SX 水下切粒机组	15
TD-SX Underwater Pelletizing Extruder System	
◆ TSC/SE 系列双阶混炼挤出 / 造粒机组	17
TSC/SE Series Two-stage Compounding/Pelletizing Extruder System	
◆ SE 系列单螺杆挤出造粒机组	19
SE Series Single Screw Extruder Pelletizing System	
■ 电仪控制系统 Electric Instrument Control System	21
■ 物联网智能供料混料系统 Building Block Type Forced Side Feeder	23
■ 辅助加料装置 Auxiliary feeding device	25
■ 真空系统&材料选用表 Vacuum system & material selection table	27
■ 物料产能表 Material output table	29

■ 工艺流程 / 产品应用 Technological Process/Product Application	
◆ 双螺杆水冷拉条造粒机组	31
Twin Screw Water-cooling Strand Pelletizing System	
◆ 双螺杆风冷模面热切机组	32
Twin Screw Air-cooling Die-face Pelletizing System	
◆ 双螺杆水环风冷模面热切粒机组	32
Twin Screw Water-ring Air-cooling Die-face Pelletizing System	
◆ 双螺杆 + 单螺杆风冷模面热切粒机组	33
Twin Screw + Single Screw Air-cooling Die-face Pelletizing System	
◆ 密炼机 + 斗式提升机 + 锥双 + 双螺杆 + 单螺杆风冷模面热切粒机组	34
Internal Mixer + Bucket Elevator + Conical Twin-Screw Feeder + Twin Screw Extruder + Single Screw Extruder Air-cooling Die-face Pelletizing System	
◆ 双螺杆 + 单螺杆水环模面热切粒机组	35
Twin Screw Extruder + Single Screw Extruder Water-ring Die-face Pelletizing System	
◆ 单螺杆水冷拉条造粒机组	36
Single Screw Water-cooling Strand Pelletizing System	
◆ TD-SX 水下切粒机组	36
TD-SX Underwater Pelletizing System	
■ 辅机设备 / 备品备件 Auxiliary Equipment/Spare Parts	37
■ 生产车间 Workshop	39
■ 加工设备 Processing Equipment	41
■ 实用案例 Practical Cases	45
■ 走向世界, 服务全球 Walk to the world and serve the world	47



外观专利号 / Appearance Patent No.: 201830119416.4

本产品由中国兵器装备集团自动化研究所双螺杆技术研发事业部研发，TSH-Plus系列代表着当今双螺杆挤出机更先进的标准，更大程度地发挥我国高端双螺杆挤出机优势。

■ 机组技术特点

1. 产能提高10%-20%;
2. 整机节能 5%-15%;
3. 免调试，快速装机;
4. 真空、水箱一体化设计;
5. 设备总冷却，只需接进出水即可，降低客户装机成本，外形美观，维护简单;

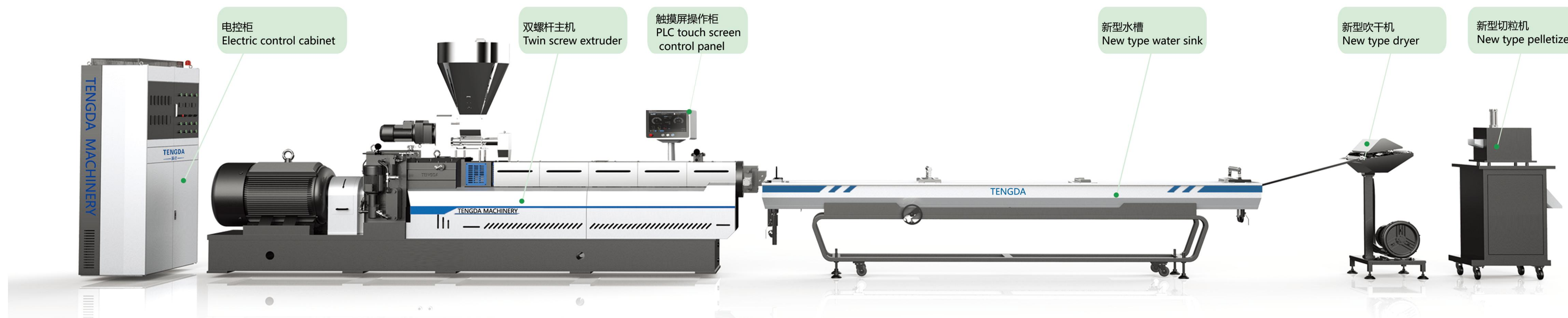
The product is researched and developed by the Twin Screw Technology Research and Development Business Division of the China North Industries Group Corporation Automation Research Institute. TSH-Plus series represent the most advanced standards of twin screw extruder in China, Which exploit the advantages of high-end twin screw extruder to greatest extent in china.

■ Units Technical Features

1. Capacity is increased by 10%-20%;
2. Energy saving is increased by 5%-15%;
3. No debugging, quick installing;
4. Integrated design of vacuum and water tank;
5. The total cooling of the equipment only needs to be connected to the inlet and outlet water, which reduces the customer's installation cost. Beautiful appearance and simple maintenance.

■ TSH-Plus系列参数表 TSH- Plus Series Parameters Table

设备型号 Model	螺杆直径 Dia(mm)	螺杆中心距 Center Distance(mm)	长径比 L/D	螺杆转速 Speed(rpm)	主电机功率 Motor(kW)	螺杆扭矩 Screw Torque (N.m)	扭矩等级 Torque Grade (N.m)	生产能力 Output(kg/h)
TSH-40Plus	41	34.5	20~68	400	22	252	6	40~95
				500	30	229	6	70~120
				600	37	280	7	90~150
TSH-52Plus	51.4	43	20~68	400	45	413	5.5	120~200
				500	55	420	5.5	155~255
				600	75	398	7.5	200~355
TSH-65Plus	62.4	52	20~68	400	75	680	5.5	200~355
				500	90	680	5.5	255~400
				600	110	830	6.5	300~550
TSH-75Plus	71	60	20~68	400	110	995	5.5	300~550
				500	132	1210	5.5	450~750
				600	160	1222	6	500~850
TSH-95Plus	93	78	20~68	400	250	2260	5	750~1250
				500	315	2380	5.5	950~1600
				600	450	3400	7.5	1350~2250
TSH-120Plus	116	98	20~68	400	315	3570	5	950~1600
				500	450	4080	5.5	1350~2250
				600	550	4980	6.5	1800~3000
TSH-135Plus	133	110	20~68	400	550	6200	5.5	1650~2750
				500	750	6800	5.5	2250~3750
				600	900	8100	6.5	3000~5000



■ 机组技术特点

- 1.高转速/高扭矩=高产量;
- 2.长期稳定可靠的性能;
- 3.TDH系列兼顾确保最大限度的、最长久的可靠性能。

■ 典型配置

- 1.采用进口高扭矩齿轮箱及润滑系统，拥有高扭矩，高转速;
- 2.配备高扭矩芯轴，镍基碳化钨筒体，高耐磨螺纹元件;
- 3.电仪控制系统为高端触摸屏系统，元器件为进口知名品牌;

■ Units Technical Characteristics

- 1.High speed/high torque = high output;
- 2.Long-term stable performance;
- 3.TDH series is given consideration to ensuring maximum and longest unfailing performance.

■ Typical Configuration

- 1.Imported high torque gear box and lubrication system, with high torque and high speed;
- 2.It is equipped with high torque screw shafts, nickel based carbide barrels and high wear-resistant screw elements;
- 3.Electrical control system is high-end touch screen system. All components are international well-known brand;

■ TDH系列参数表 TDH Series Parameters Table

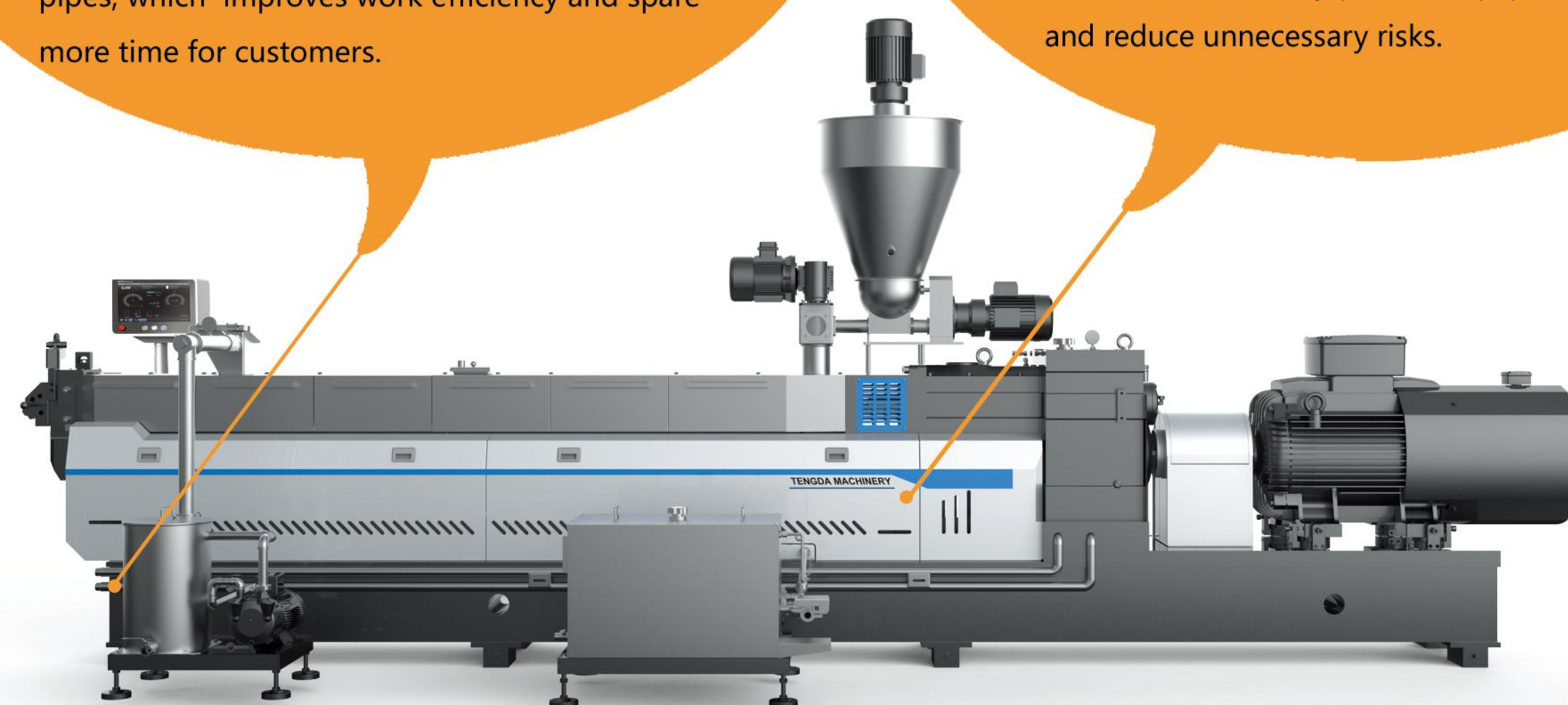
设备型号 Model	螺杆直径 Dia(mm)	螺杆中心距 Center Distance(mm)	长径比 L/D	螺杆转速 Speed(rpm)	主电机功率 Motor(kW)	螺杆扭矩 Screw Torque (N.m)	扭矩等级 Torque Grade (N.m)	生产能力 Output(kg/h)
TDH-35D	35.6	30	32~60	500	22	235	8.7	10~110
				600	30/37	235/294	8.7/10.9	10~150
				800	45	291	11.6	15~225
				900	55	355	11.6	18~270
TDH-40D	41	34.5	32~60	500	37	339	8.3	90~180
				600	45/55	344/437	8.4/10.6	100~230
				800	55	365	8.9	160~280
				900	90	489	11.9	200~400
TDH-52D	51.4	43	32~60	500	75	688	8.6	200~380
				600	90/110	688/825	8.6/10.4	300~450
				800	110	739	9.3	330~550
				900	160	1002	12.6	450~810
TDH-65D	62.4	52	32~60	500	132	1210	8.6	400~660
				600	160/200	1222/1528	8.7/10.9	500~800
				800	200	1308	9.3	600~1000
				900	280	1772	12.6	820~1450
TDH-75D	71	60	32~60	500	200	1834	8.5	600~1000
				600	250/315	1910/2407	8.8/11.1	750~1250
				800	315	1944	9	900~1550
				900	400	2740	12.7	900~2300
TDH-95D	93	78	32~60	500	450	4126	8.7	1350~2250
				600	550/650	4202/4966	8.9/10.5	1650~2750
				800	650	4034	10.5	1950~3250
				900	1000	5932	12.5	2950~4800
TDH-115D	115.5	92	32~60	500	800	7334	8.3	2400~4000
				600	1000	9168	10.4	3300~4900
TDH-135D	133	110	32~60	400	1000	11460	8.6	3000~5000
				500	1500	13752	9.8	4500~7500

集成化进出水路设计，有效解决客户现场管路散乱的问题，同时简化安装流程，避免接管错误，提高工作效率，为客户争取更多的生产时间。

The Integrated inlet and outlet water system can effectively solve scattered pipelines problems, simplify the installation process and avoid mistakes in laying pipes, which improves work efficiency and spare more time for customers.

独特的外观防尘设计，防止粉尘掉落到设备内部，一是便于设备维护和保养，二是有效防止设备故障，减少不必要的风险。

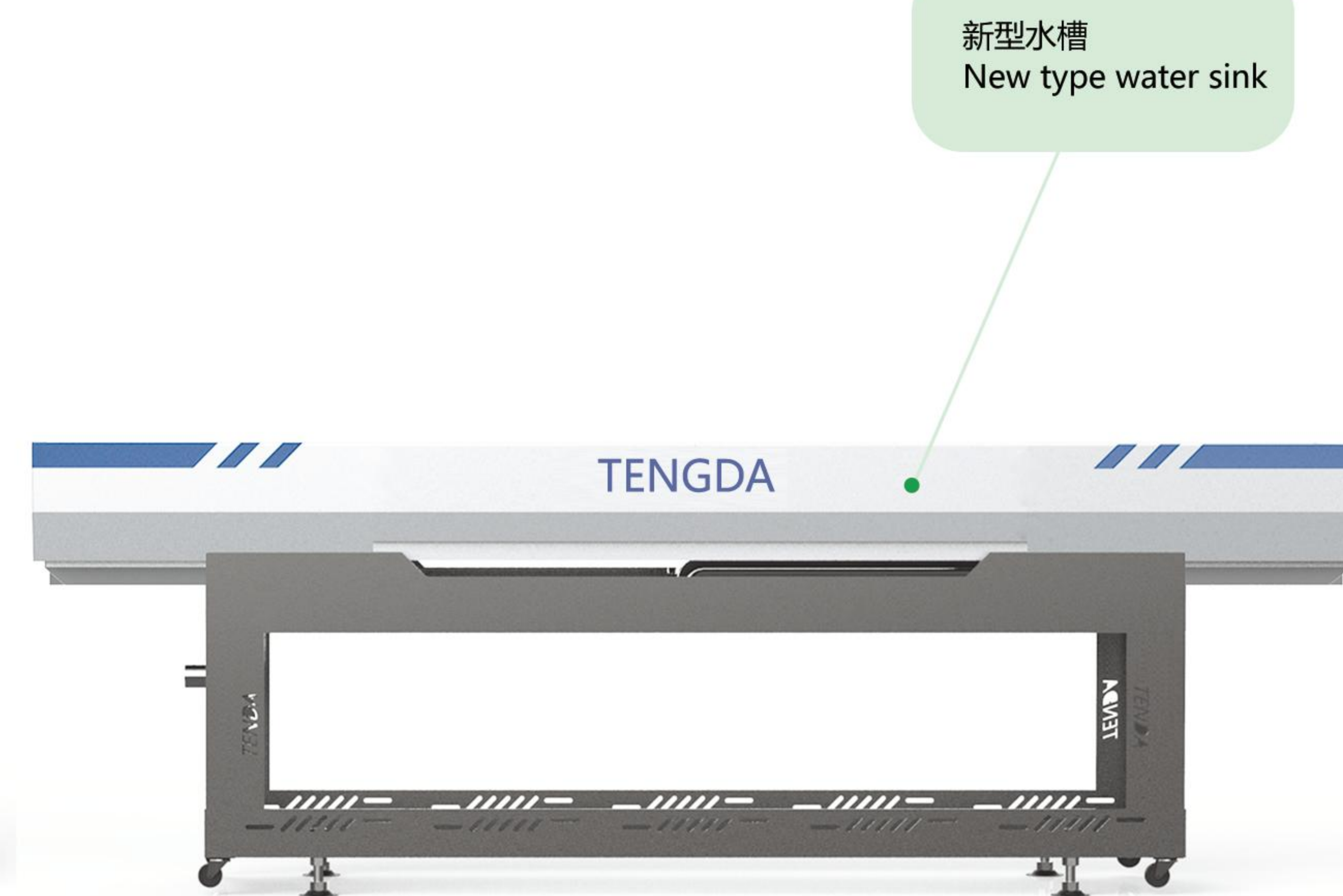
The unique appearance with dust-proof design prevents dust from falling into equipment. One is to facilitate equipment maintenance, and the other is to effectively prevent equipment failures and reduce unnecessary risks.



水路和电路集成化设计，安装在底座内，节约空间
Integrated design of waterway and circuit, installed in the base, saving space



双螺杆主机
Twin screw extruder



新型水槽
New type water sink



新型吹干机
New type dryer



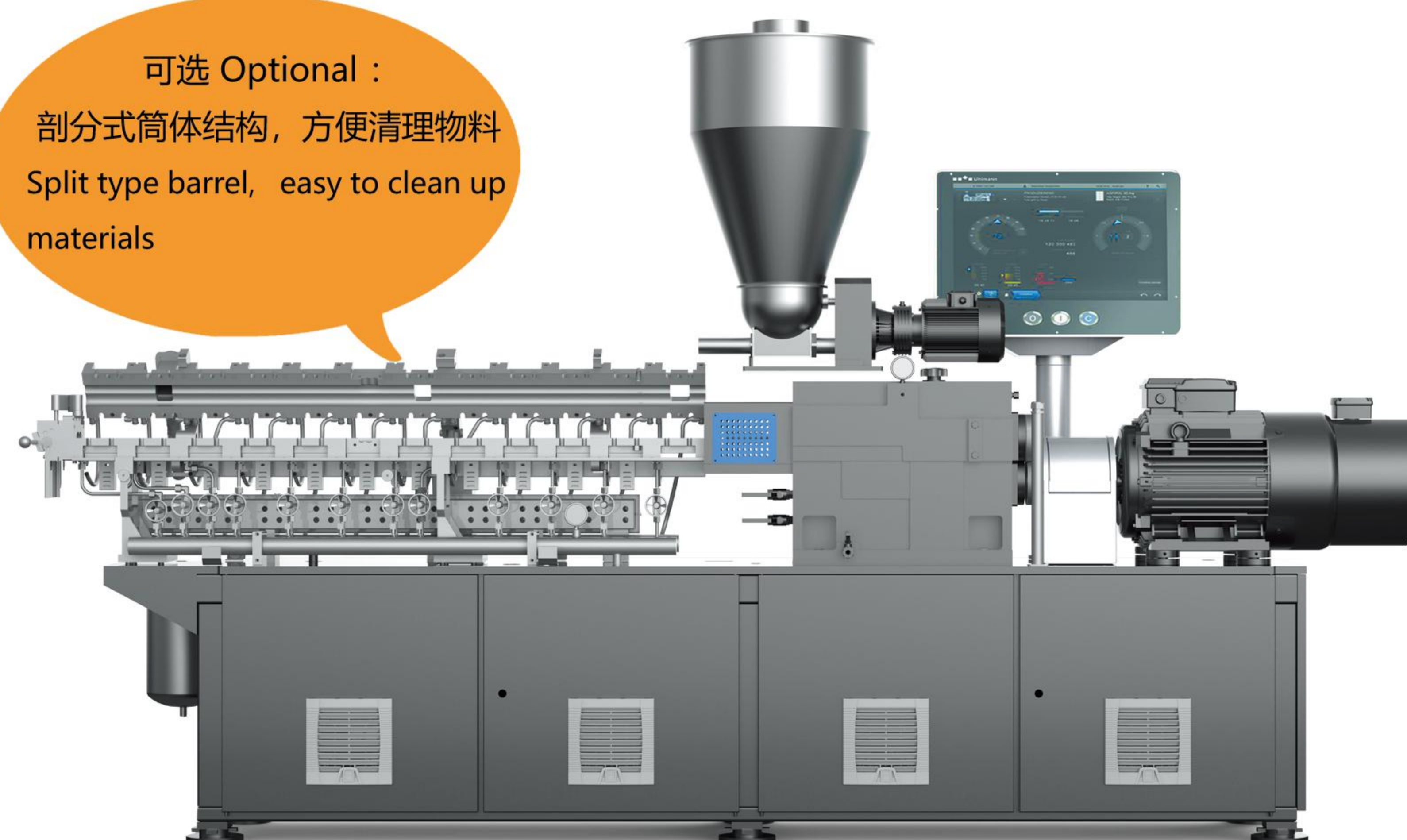
新型切粒机
New type pelletizer

TSH实验型系列挤出机的设计理念是即插即用式，采用集成模式，所有系统都安装于主机底座内，只要接入电源和水源就可以投入使用。

■ 适用范围

1. 高等职业院校教学专用；
2. 高等院校聚合体高分子实验室实验新材料和材料改性用；
3. 色母、功能母料生产企业，测试色母分散性、塑化性用；
4. 塑料助剂企业，测试助剂功能性用；
5. 色母、助剂销售公司，为客户打样用。

可选 Optional：
剖分式筒体结构，方便清理物料
Split type barrel, easy to clean up materials



The design concept of TSH experimental extruder is plug and play mode, and adopts integrated mode. All systems are installed in the base of the mainframe extruder and can be put into use as long as the power, and water is well prepared.

■ Typical Application

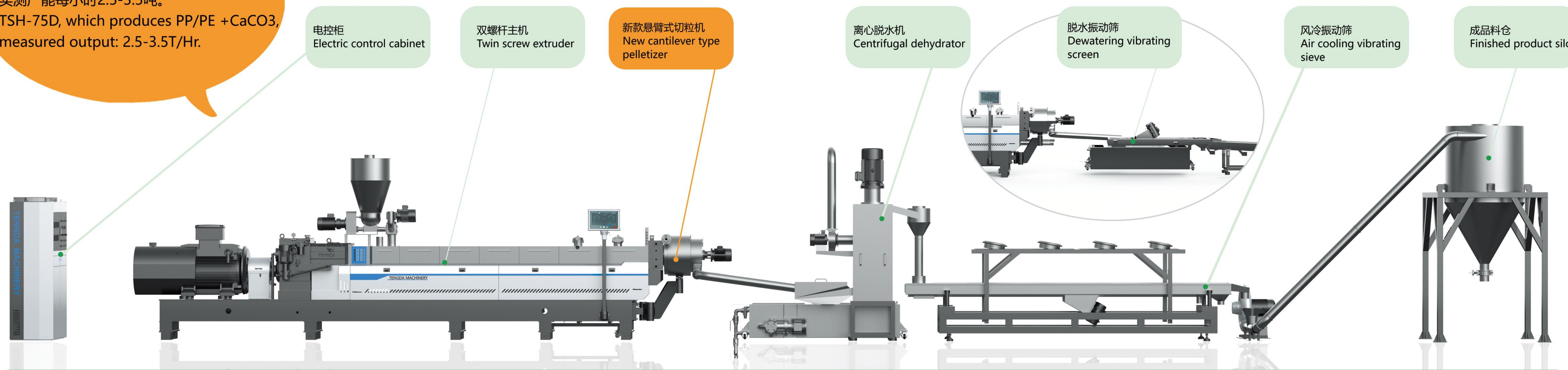
1. Teaching research in higher vocational colleges;
2. New material experiment and material modifications of polymer high molecular weight in Colleges and Universities;
3. Color master batch, functional Masterbatch production enterprises, testing the dispersion and plasticity of master batch;
4. Plastic additives enterprises, testing the function of additives;
5. The sales company of master-batch and additives, applying in taking samples for the customers.

■ TSH实验型系列参数表 TSH Experimental Series Parameters Table

设备型号 Model	螺杆直径 Dia(mm)	螺杆中心距 Center Distance(mm)	长径比 L/D	螺杆转速 Speed(rpm)	主电机功率 Motor(kW)	螺杆扭矩 Screw Torque (N.m)	扭矩等级 Torque Grade (N.m)	生产能力 Output(kg/h)
TSH-20Plus	22	18	32~60	500	3	30	5	2~10
				600	4	30	5	2~15
TSH-30Plus	30	26.1	32~56	400	7.5	85	5	10~30
				500	11	85	5	10~40
				600	15	110	6.5	15~55
TSH-35Plus	35.6	30	32~68	400	15	125	5	10~40
				500	18.5	138	5	20~60
				600	22	165	6.5	40~95

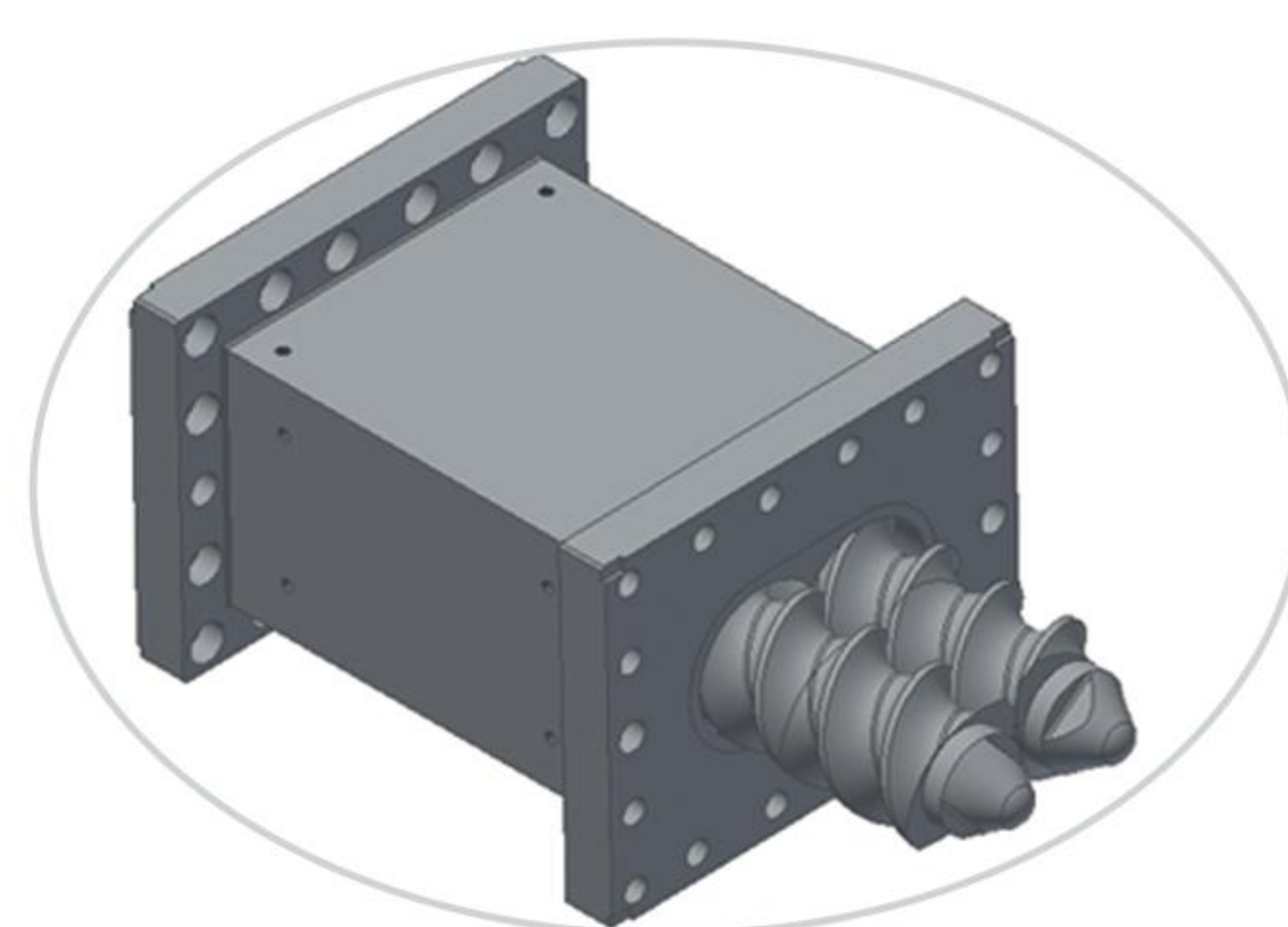
实际应用案例（浙江客户）：

图示为TDH-75D机型，生产PP/PE+碳酸钙，实测产能每小时2.5-3.5吨。
TSH-75D, which produces PP/PE + CaCO₃, measured output: 2.5-3.5T/Hr.



产品应用

- ◆ 分散要求高、填充量大的共混改性或填充增强，如聚烯烃改性料、工程塑料改性料等的制备；
- ◆ 混合混炼、排气脱挥、停留时间均匀性要求高的反应挤出，如XLPE电缆料、硅烷交联电统料TPE等；
- ◆ 分散效果要求高的高浓度色母及其它功能母料制备，如高浓度黑、白色母、高填充阻燃料、半电料等；
- ◆ 薄膜、板材、注塑件的在线混配成型，如透气膜、长玻纤增强塑料结构件等。



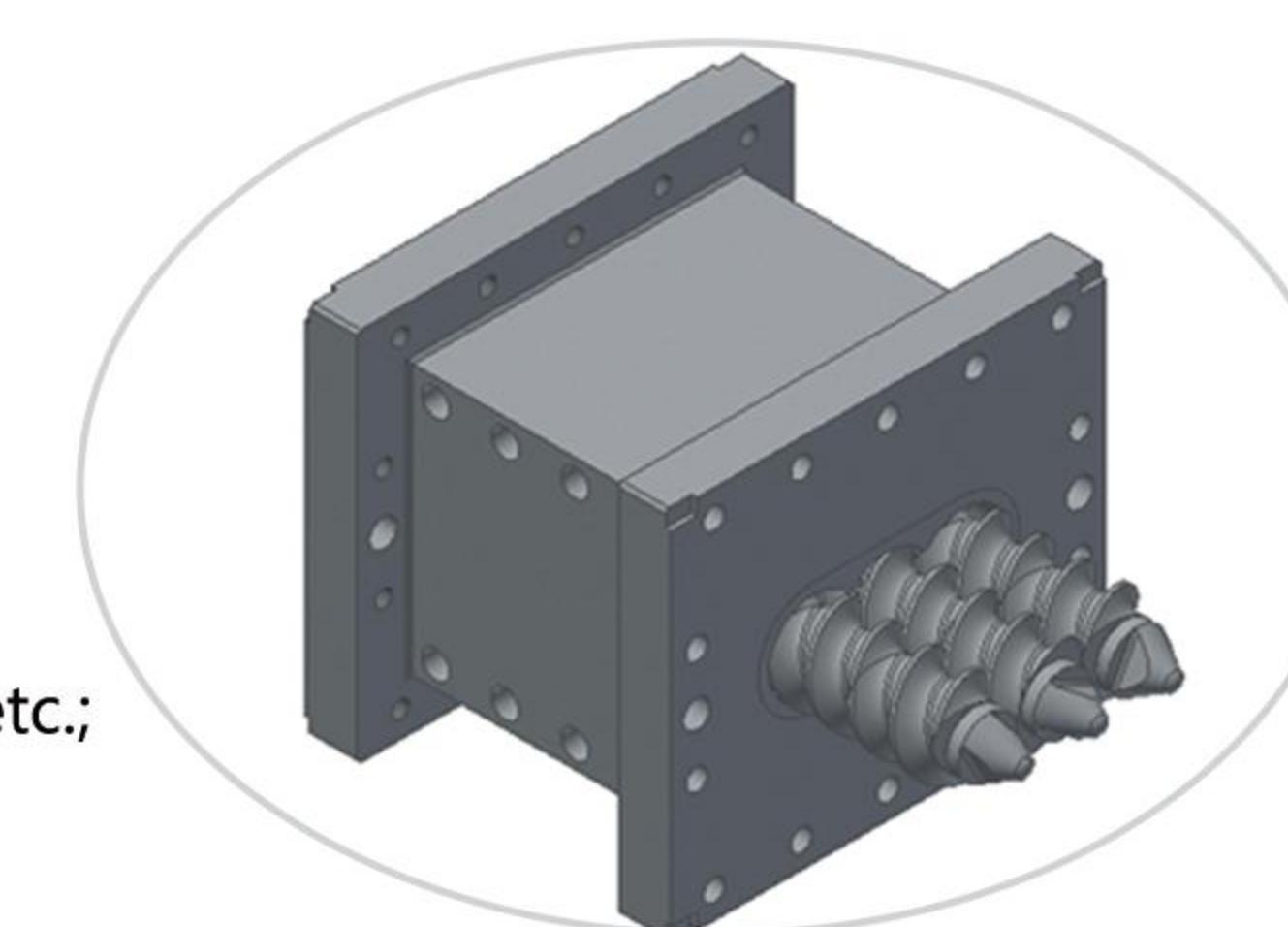
双螺杆 (Twin screw)

TDH系列双螺杆参数表 TDH Series Twin screw Parameters Table

设备型号 Model	螺杆直径 Dia(mm)	螺杆中心距 Central Distance(mm)	长径比 L/D	螺杆转速 Speed(rpm)	主电机功率 Motor(kW)	生产能力 Output(kg/h)
TDH-52D	51.4	43	44~52	600	90/110	600~1100
				900	110/132	700~1300
TDH-65D	62.4	52	44~52	600	132/160	800~1600
				900	200/220	1200~2000
TDH-75D	71 / 73	60	48~52	600	220/250	1400~2500
				900	315/355	2000~3500

Product Application

- ◆ Blending modification or filling enhancement with high dispersion requirements and large filling amount, such as the preparation of polyolefin modified materials, engineering plastic modified materials, etc.
- ◆ The reactive extrusion that has high requirements on mixing and kneading, exhaust devolatilization, residence time uniformity, such as XLPE cable material, silane cross-linked cable material TPE, etc.
- ◆ Production of high-concentration color masterbatch and other functional masterbatches that require high dispersion effect, such as high-concentration, white masterbatch, high-filling flame retardant material, semi-conductive materials, etc.;
- ◆ Compounding and molding of films, sheets and injection molded parts, such as breathable films, long glass fiber reinforced plastic structural parts, etc.



三螺杆 (Tri-screw)

TDS系列三螺杆参数表 TDS Series Tri-screw Parameters Table

设备型号 Model	螺杆直径 Dia(mm)	螺杆中心距 Central Distance(mm)	长径比 L/D	螺杆转速 Speed(rpm)	主电机功率 Motor(kW)	生产能力 Output(kg/h)
TDS-52P	51.4	43	44~52	500	110/132	400~800
				600		
TDS-65P	62.4	52	44~52	500	132/160	700~1100
				600		
TDS-75P	71	60	44~52	500	220/250	1500~2200
				600		



■ 双螺杆挤出机在降解材料改性中的应用

1. PLA/PBAT/PBS等生物降解树脂+**生物质**填充物（淀粉、植物纤维+木质素等）+其他助剂；
2. PLA/PBAT/PBS等生物降解树脂+**矿物质**填充物（碳酸钙、滑石粉等）+其他助剂；
3. PLA/PBAT/PBS等生物降解树脂+**生物质**填充物（淀粉、植物纤维+木质素等）+**矿物质**填充物（碳酸钙、滑石粉等）+其他助剂；

■ 机组技术特点

1. 搭载高扭矩或超高扭矩减速机，减速、扭矩分配为一体，新型结构设计；可选配进口零应力安全联轴器；
2. 采用高耐磨耐腐蚀筒体和螺杆及高强度芯轴；
3. 采用风冷拉条切粒，机组性能可靠，操作方便。

■ Applications:

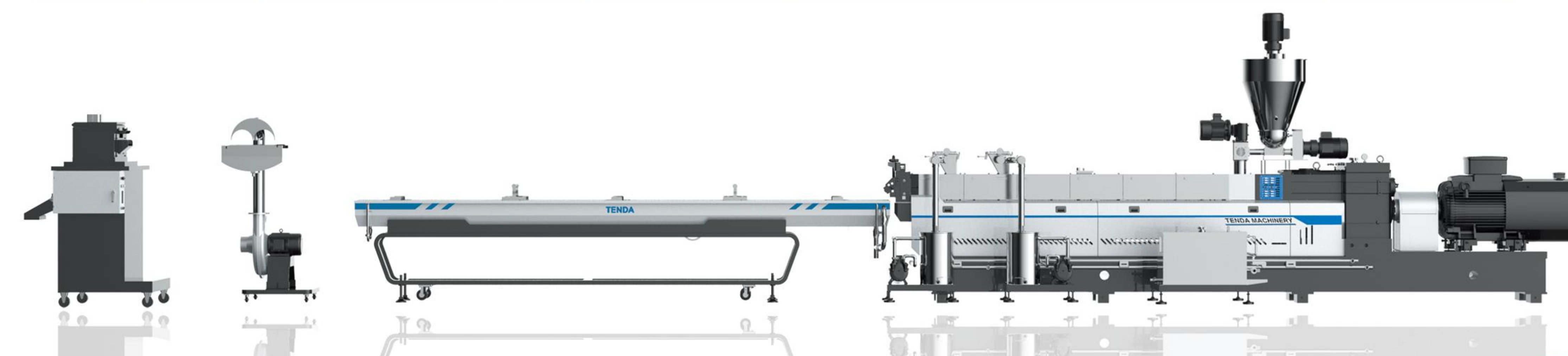
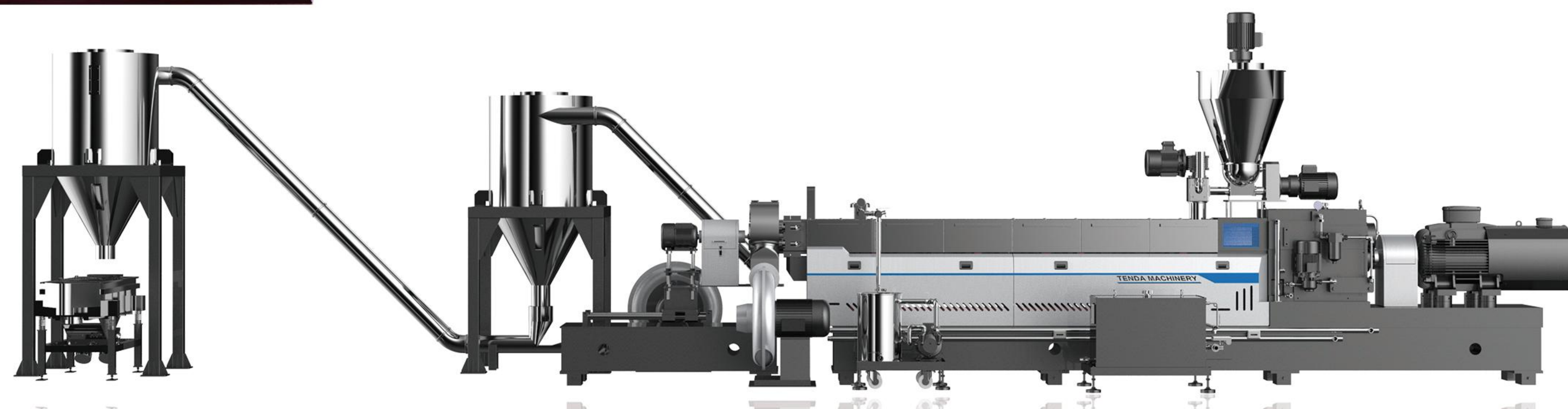
1. PLA/PBAT/PBS etc. biodegradable resin+Biomass filler(starch、plant fiber+lignin etc.)+other additives;
2. PLA/PBAT/PBS etc. biodegradable resin+minerals filler(CaCo3、Talcum powder etc.)+other additives;
3. PLA/PBAT/PBS etc. biodegradable resin+Biomass filler(starch、plant fiber+lignin etc. filler(CaCo3、Talcum powder etc.))+other additives;

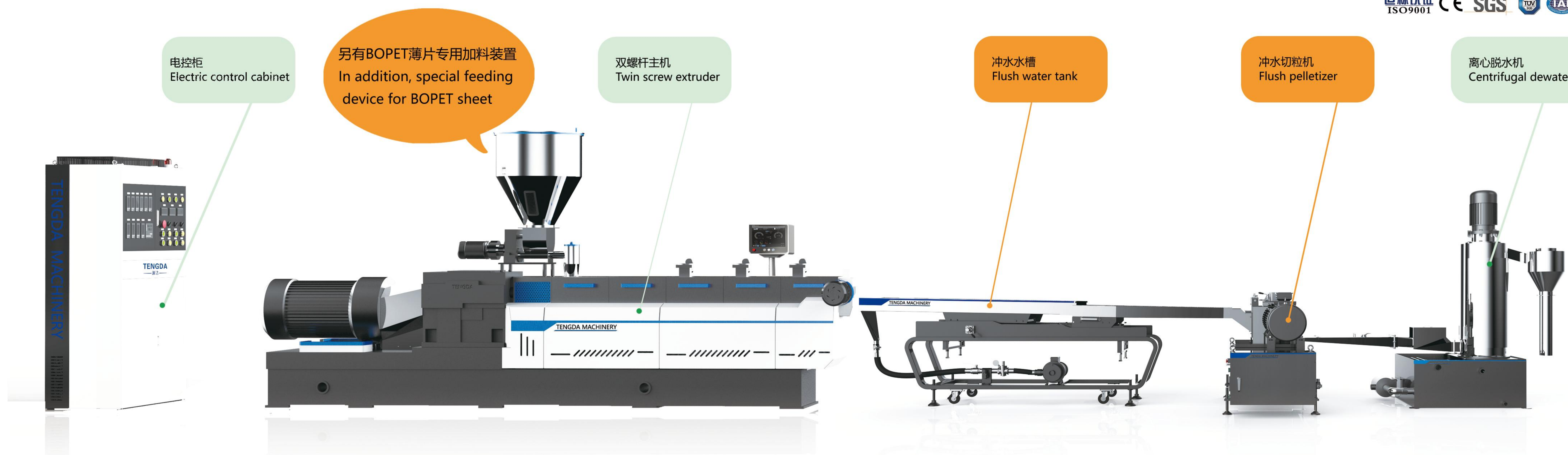
■ Machine technical features:

1. Equipped with high torque or ultra-high torque gearbox, deceleration and torque distribution are integrated, new structure design; imported zero-stress safety coupling can be selected;
2. Adopt high wear-resistant and corrosion-resistant barrel and screw, high-strength screw shaft.
3. Adopt air-cooling strand pelletizing system, which has reliable performance and easy operation.

■ 机组参数表 Units Parameters Table

设备型号 Model	螺杆直径 Dia(mm)	螺杆中心距 Center distance(mm)	长径比 L/D	螺杆转速 Screw speed(rpm)	主电机功率 Motor(kW)	螺杆扭矩 Screw torque(N.m)	扭矩等级 Torque grade(N.m)	生产能力 Output (kg/h)
TSH-P系列（高性价比）								
TSH35P	35.6	30	40-56	500	18.5	138	6	10-40
					22	165	6.5	20-70
TSH-40P	41	34.5	40-56	500	30	229	6	25-90
					37	280	7	30-110
TSH-52P	51.4	43	40-56	500	55	420	5.5	50-200
					75	398	7.5	70-290
TSH-65P	62.4	52	40-56	500	90	680	5.5	90-320
					110	680	6.5	100-360
TSH-75P	71	60	40-56	500	132	1210	5.5	120-500
					160	1222	6	145-560
TDH-D系列（高扭矩，高产量）								
TDH-52D	51.4	43	40-56	500	90	688	8.6	90-280
					110	825	10.4	100-320
TDH-65D	62.4	52	40-56	500	132	1210	8.6	120-490
					160	1222	8.7	145-560
TDH-75D	71	60	40-56	500	250	1910	8.8	230-850
					280	1944	9	255-1000





机组技术特点

1. 高粘度，高产量；
2. 无需人工牵引，节省人工；
3. 切粒部件、动定刀磨损少，寿命长；
4. 机器性能可靠，操作方便；
5. 机组合理紧凑，占地面积小。

Units Technical Features

1. High viscosity, high output;
2. There is no need for manual traction, saving labor;
3. The pelletizing parts and the moving knives have less wear and long service life;
4. Reliable machine performance and easy to operate;
5. Reasonable and compact machine unit, less land occupation.

实际应用案例（日本客户）：

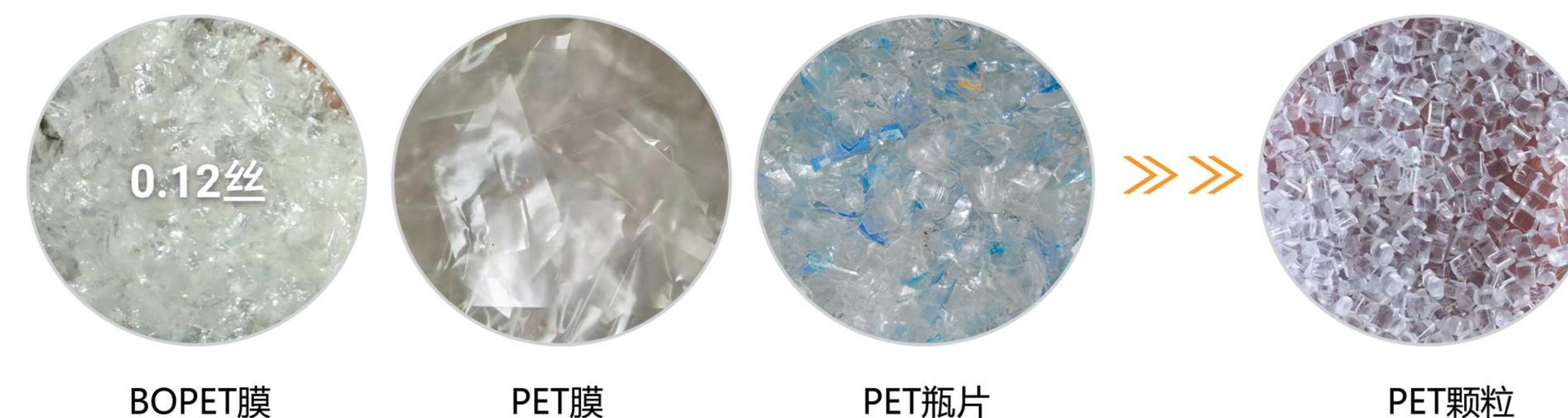
生产BOPET/PET薄片（0.12mm厚），实测产能每小时800-1000KG

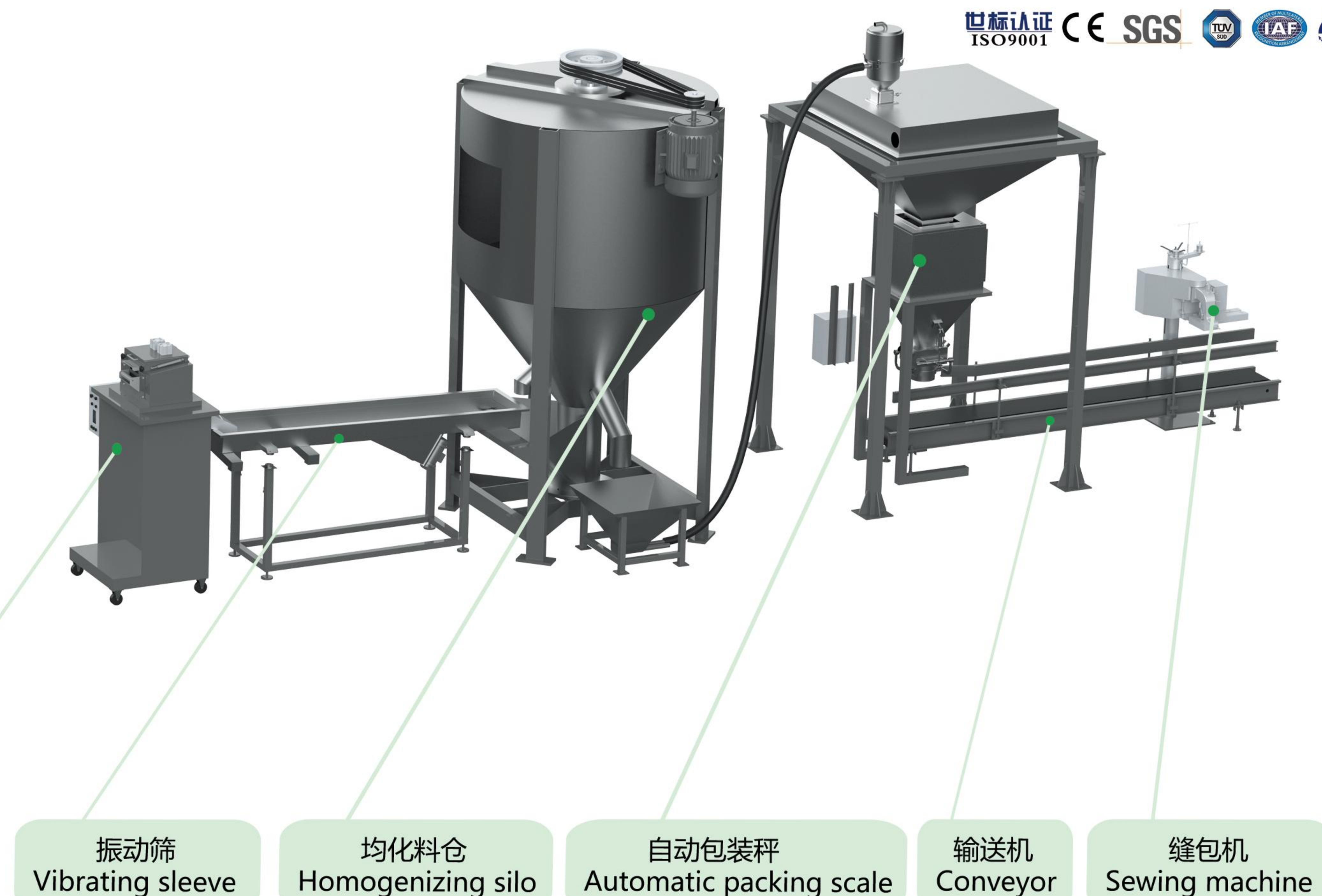
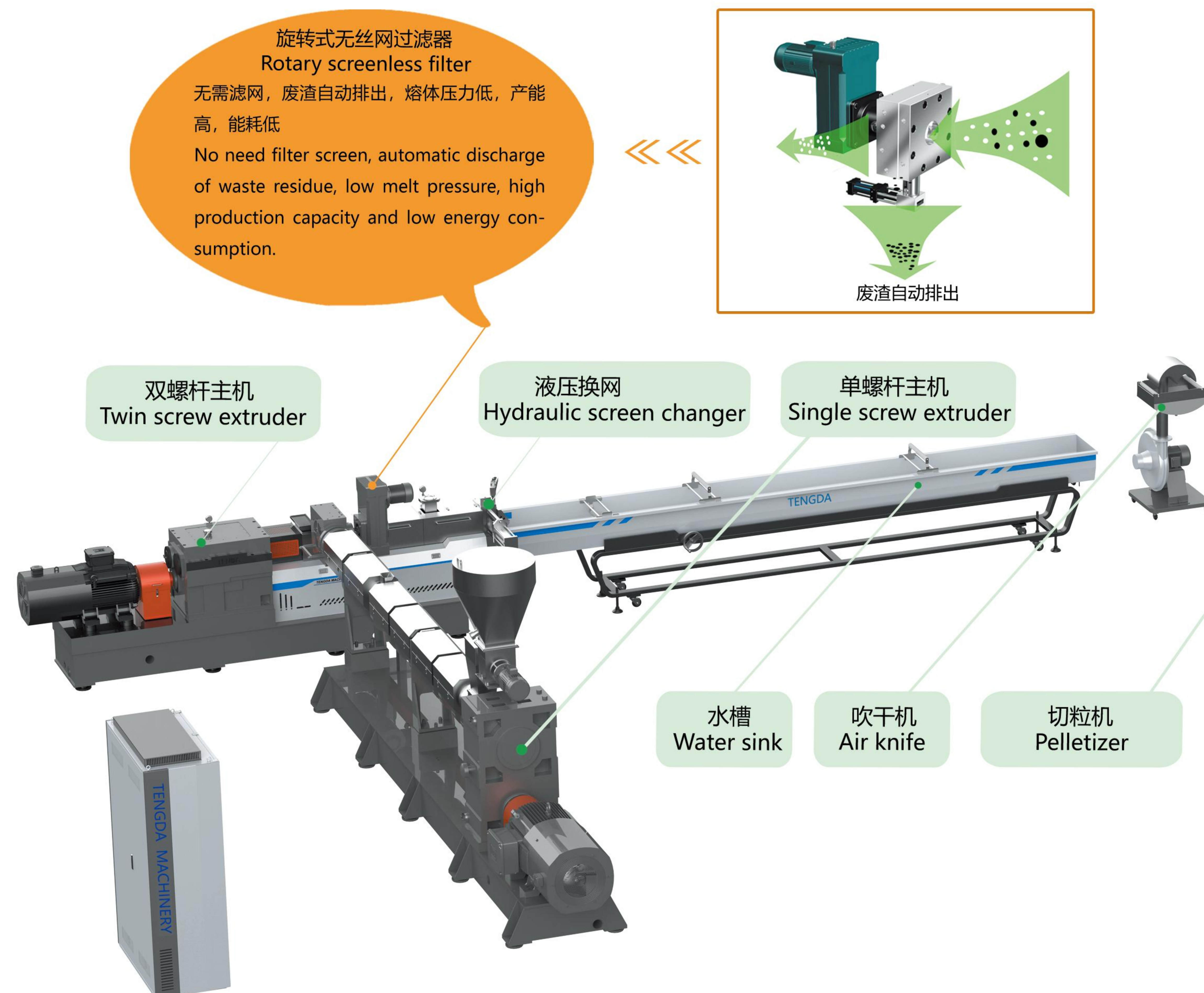
The measured capacity of BOPET/PET sheet(0.12mm thickness) production is up to 800-1000KG per hour



TSH 系列参数表 TSH Series Parameters Table

设备型号 Model	螺杆直径 Dia(mm)	螺杆中心距 Center Distance(mm)	长径比 L/D	螺杆转速 Speed(rpm)	主电机功率 Motor(kW)	螺杆扭矩 Screw Torque (N.m)	扭矩等级 Torque Grade (N.m)	生产能力 Output(kg/h)
TSH-52P	51.4	43	36~44	500	55/75	420	5.5	155~280
TSH-65P	62.4	52	36~44	500	90/110	680	5.5	300~450
TSH-75P	71	60	36~44	500	132/160	1210	5.6	400~650
TSH-95P	93	78	36~44	500	280/315	2380	5	800~1200





SE/TSH系列参数表 SE/TSH Series Parameters Table

设备型号 Model		螺杆直径 Dia(mm)	长径比 L/D	螺杆转数 Speed(rpm)	主电机功率 Motor(kW)	生产能力 Output(kg/h)
SE120/TSH65	SE120	120	28~32	90	90/110	400-600
	TSH65	62.4	24~32	400/500	45/55	
SE160/TSH75	SE160	160	28~32	90	110/132	700-1000
	TSH75	71	24~32	400/500	75/90	

典型作业

- ◆ ABS、PP、PE、PS、PBT、PA等片料、水口料的破碎回收改性造粒。

特性

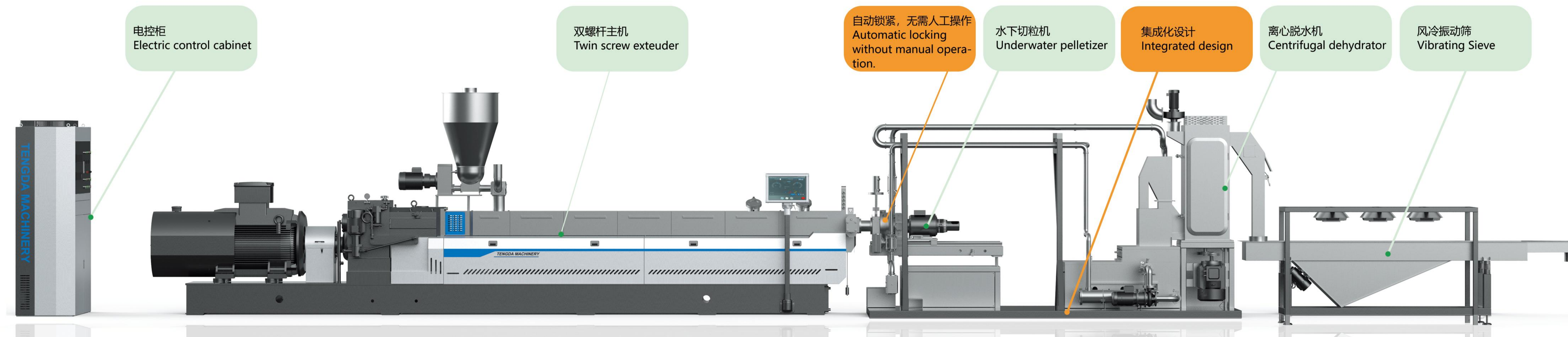
- ◆ 单螺杆挤出机配置无丝网过滤器，减少换网频率，降低人工成本，更大地提高生产效率；
- ◆ 特殊设计的排气口能有效排除物料融化过程中产生的水分和挥发性气体，挤出颗粒均匀，美观；
- ◆ 后续工序配有筛分装置、均化装置及包装秤系统，使造粒工艺实现自动化、操作更方便。

Typical Work

- ◆ Crushing, recycling, modification and granulation of ABS, PP, PE, PS, PBT, PA and other flakes and nozzle materials.

Features

- ◆ The single-screw extruder is equipped with a screenless filter, which reduces the frequency of screen changes, reduces labor costs, and greatly improves production efficiency;
- ◆ The exhausting port is specially designed to remove moisture and volatile gases generated effectively during the melting process of materials, then extrude uniform and beautiful granules;
- ◆ The follow-up process is equipped with a screening device, a homogenization device and a packaging scale system to automate the granulation process and make the operation more convenient.



水下切粒机自主研发，自动控制，一键开机。

The underwater pelletizing extruder system: Independent R&D, automatic control, One-button boot.

■ 典型作业 (提供产品的加工工艺)

- ◆ 塑料微粒0.5mm (防滑微粒)
- ◆ 弹性体 (TPU、TPE、TPV、SEBS、SBS)
- ◆ 热熔胶 (PES、PA、EVA)
- ◆ 色母粒 (PE 色母、PP 色母、TPU 色母)
- ◆ 高温熔酯 (PA6、PA66、PBT、PET)

■ Typical Work (Providing product processing technology)

- ◆ Plastic particle 0.5mm (anti-skid particles)
- ◆ Elastomer (TPU, TPE, TPV, SEBS, SBS)
- ◆ Hot melt adhesive(PES,PA,EVA)
- ◆ Color master-batch granules (PE Color master-batch, PP color master-batch, TPU color master-batch)
- ◆ High temperature melt ester(PA6, PA66, PBT, PET)

■ 产品特点

- ◆ 超硬合金模头
- ◆ 耐磨合金刀片
- ◆ 特殊的温度均衡模头控温装置
- ◆ 自动调心切粒系统
- ◆ 先进一体式设计

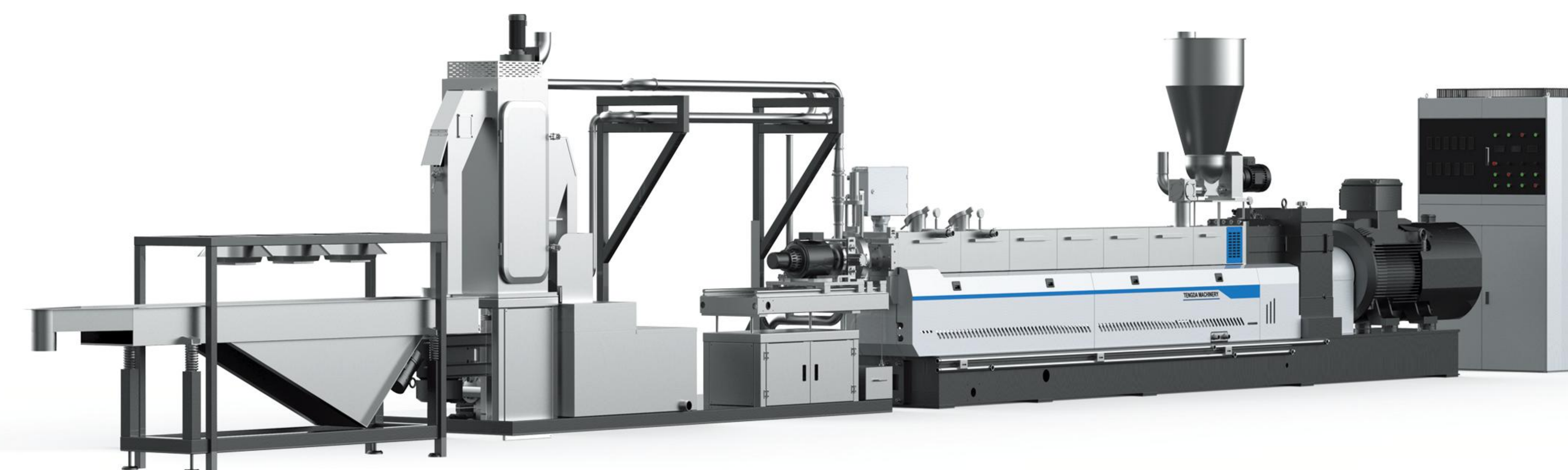
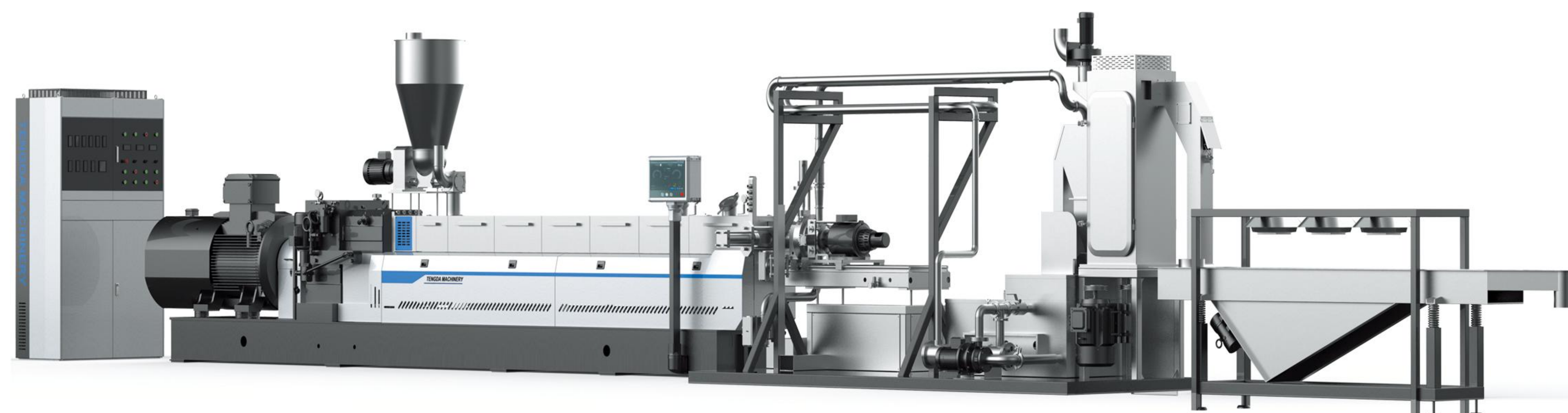
■ Product Characteristics

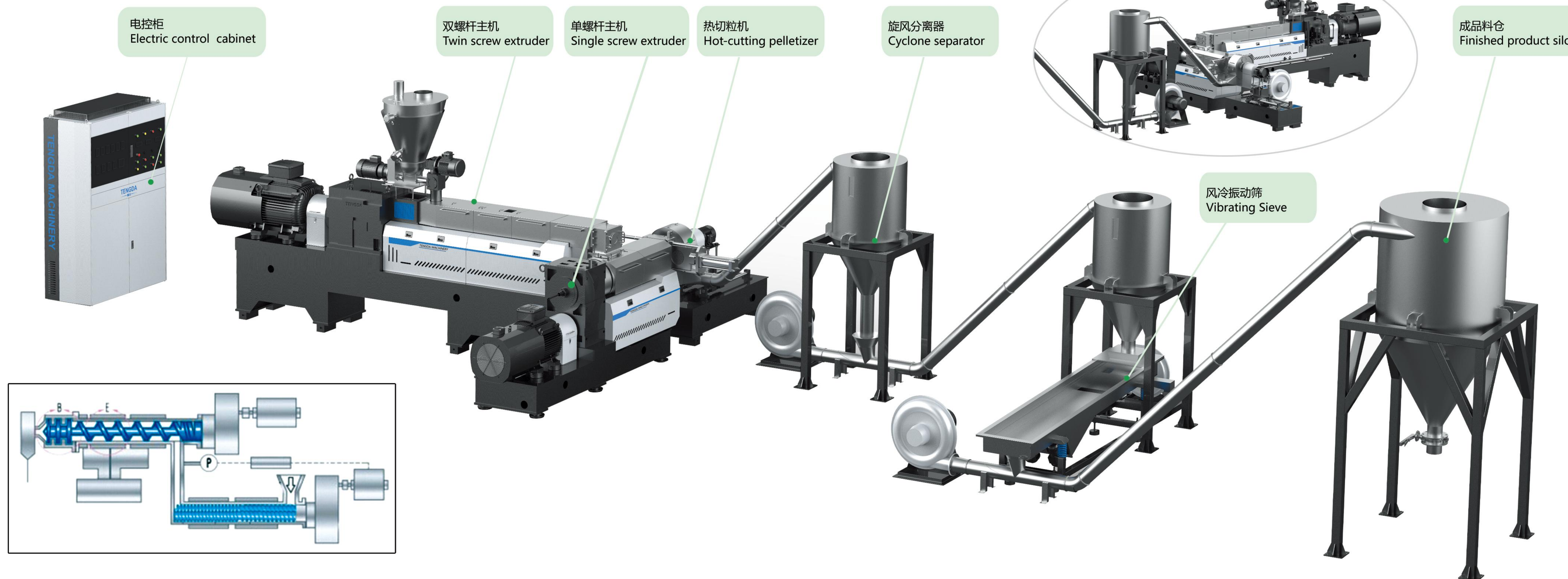
- ◆ Superhard alloy die
- ◆ Wear-resistant alloy blade
- ◆ Special temperature equalization die temperature control device
- ◆ Automatic centering and pelletizing system
- ◆ Advanced integrated design

■ TD-SX 系列水下切粒机参数表

TD-SX Series Underwater Pelletizing System Parameters Table

设备型号 Model	生产能力 Output (kg/h)	加热功率 Heating (kW)	驱动电机 Motor (kW)	调速范围 Speed-adjusting range (r/min)	模板孔径 Template aperture (mm)	模板孔数 Number of template holes (N)	工艺水流量 Process water flow (M)	水泵功率 Water pump (kW)
TD-SX150	10-150	5.5	3	300-3000	0.5-3.3	3-12	6-10	3
TD-SX600	150-600	7.5	7.5	300-3000	0.5-3.3	16-38	6-16	4
TD-SX1000	600-1000	10	11	300-3000	0.5-3.3	28-78	14-18	5.5
TD-SX2000	1000-2000	12	15	300-3000	0.5-3.3	45-90	18-25	7.5
TD-SX3000	2000-3000	14	18.5	300-3000	0.5-3.3	80-110	22-30	7.5
TD-SX4000	3000-4000	15	20	300-3000	0.5-3.3	90-130	25-35	11
TD-SX5000	4000-5000	16	22	300-3000	0.5-3.3	100-190	30-45	11





■ 双阶（双螺杆/单螺杆）混炼造粒机组特点

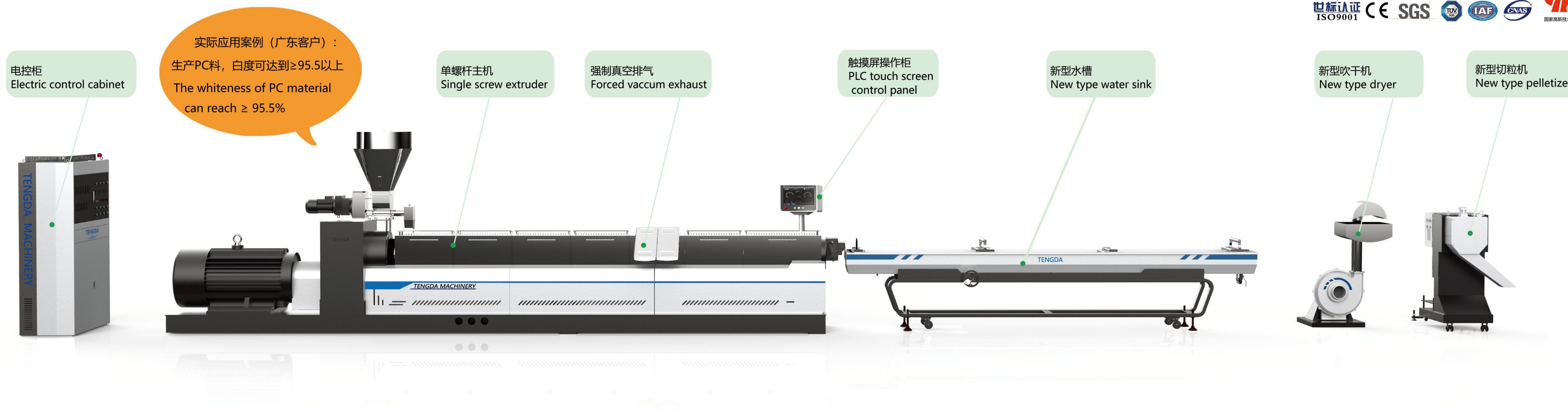
- ◆ 第一阶为双螺杆挤出机完成输送、高效塑化混炼，强剪切分散，由于无机头，整个加工过程处于无机头背压状态，使得我们可以针对不同物料灵活的排列螺杆组合，达到物料混合最佳状态。避免了强剪切过热并大大提高生产能力；
- ◆ 第二阶是低速旋转的单螺杆挤出机，单螺杆挤出机完成已塑化分散均匀物料的降温、降压、低速挤出造粒。将两者的优势结合互补。广泛应用于各类热敏性物料体系造粒、大容量脱挥、一步法成型挤出等作业。
- ◆ 将工艺过程功能分解，增加独立操作变量，有利于各工艺过程的分步优化，更高的效率与产能；适合热敏性高分子材料加工，如PVC各类电缆料，透明料，PE各类交联料，及PE屏蔽电缆料，鞋底发泡料等。

■ Two-stage (Twin-screw/Single-screw) Compounding/Pelletizing Extruder System Characteristics

- ◆ The first stage is the twin-screw extruder, which completes the transportation, high-effective plasticizing and compounding and strong shear dispersion. Because there is no machining head, the whole machining process is in a headless back pressure state, so that we can flexibly arrange screw combinations for different materials so as to achieve the best compounding state of materials, the strong shear overheating is avoided, and the production capacity is greatly improved;
- ◆ The second stage is the low speed rotating single screw extruder, which can reduce the temperature and pressure of plasticized dispersed uniform material and granulate at low speed. This design combines the advantages of both extruders. It is widely used in granulation of various thermosensitive materials, large capacity devolatilization, and one-step extrusion etc.
- ◆ Decomposing the process function, adding the independent operation variables, and being beneficial to the optimization of each process step by step, higher efficiency and capacity. It is suitable for the processing of thermosensitive polymer materials such as various PVC cable materials, transparent materials, various PE cross-linking materials, PE shielding cable materials, sole foaming material, etc.

■ TSH/SE系列参数表 TSH/SE Series Parameters Table

设备型号 Model		螺杆直径 Dia(mm)	长径比 L/D	螺杆转速 Speed(rpm)	主电机功率 Motor(kW)	生产能力 Output(kg/h)
TSH52/SE120	TSH-52	51.4	24~48	500	37/45	100-300
	SE-120	120	7~20	85	30/37	
TSH65/SE150	TSH-65	62.4	24~48	500	55/75	200-500
	SE-150	150	7~20	85	37/45	
TSH75/SE180	TSH-75	71	24~48	500	90/110	400-800
	SE-180	180	7~20	85	45/55	
TSH95/SE200	TSH-95	93	24~48	400	200/250	700-1500
	SE-200	200	7~20	90	55/75	



■ 典型作业

- ◆ ABS、PC、POM、PP、PE、PC/ABS等塑料原料染色及工程塑料回收造粒。

■ 特性

- ◆ 高精度齿轮箱，承载能力高，传动平稳，噪音低；
- ◆ 新型机筒和螺杆设计，确保更好的融化均匀性，低融温和更高产量；
- ◆ 机筒、螺杆氮化处理，抗磨腐蚀性强；
- ◆ 超静音风机冷却机筒，免维护操作；
- ◆ 进口温控表、PID温度控制，控温更加稳定、精确；
- ◆ 模头设计有手旋式或液压式两种，换网轻松省时。

■ Typical Work

- ◆ ABS、PC、POM、PP、PE、PC/ABS plastic raw materials dyeing and engineering plastics recycling granulation.

■ Features

- ◆ High-precision gearbox, high loading capacity, steady driving, low noise;
- ◆ New screw and barrel design, which can ensure good melt uniformity, low melt temperature and high production;
- ◆ The barrel and screw are subject to the nitrogen treatment, with high anti-wear and anti-corrosion performance;
- ◆ Super mute blowing fan cooling barrel, no need maintenance operation;
- ◆ Imported temperature-controlled meter, PID temperature control, and temperature control is more stable and accurate;
- ◆ The die head design comprises manual revolving type or hydraulic type, and it is easy and time-saving to change the screen.

■ SE系列参数表 SE Series Parameters Table

设备型号 Model	螺杆直径 Dia (mm)	长径比 L/D	螺杆转速 Speed (rpm)	功率 Motor (kW)	生产能力 Output (kg/h)
SE-30	30	32	120	7.5	10-30
SE-45	45	32	120	22	30-70
SE-65	65	32	120	37-45	50-150
SE-90	90	32	120	45-55	120-250
SE-100	100	32	85	55-75	200-330
SE-110	110	32	85	75-110	230-360
SE-120	120	32	85	75-132	250-400
SE-150	150	32	85	75-220	450-700
SE-180	180	32	85	90-315	600-900
SE-200	200	32	85	110-400	1000-1500
SE-220	220	32	85	110-600	1200-2000



PC料



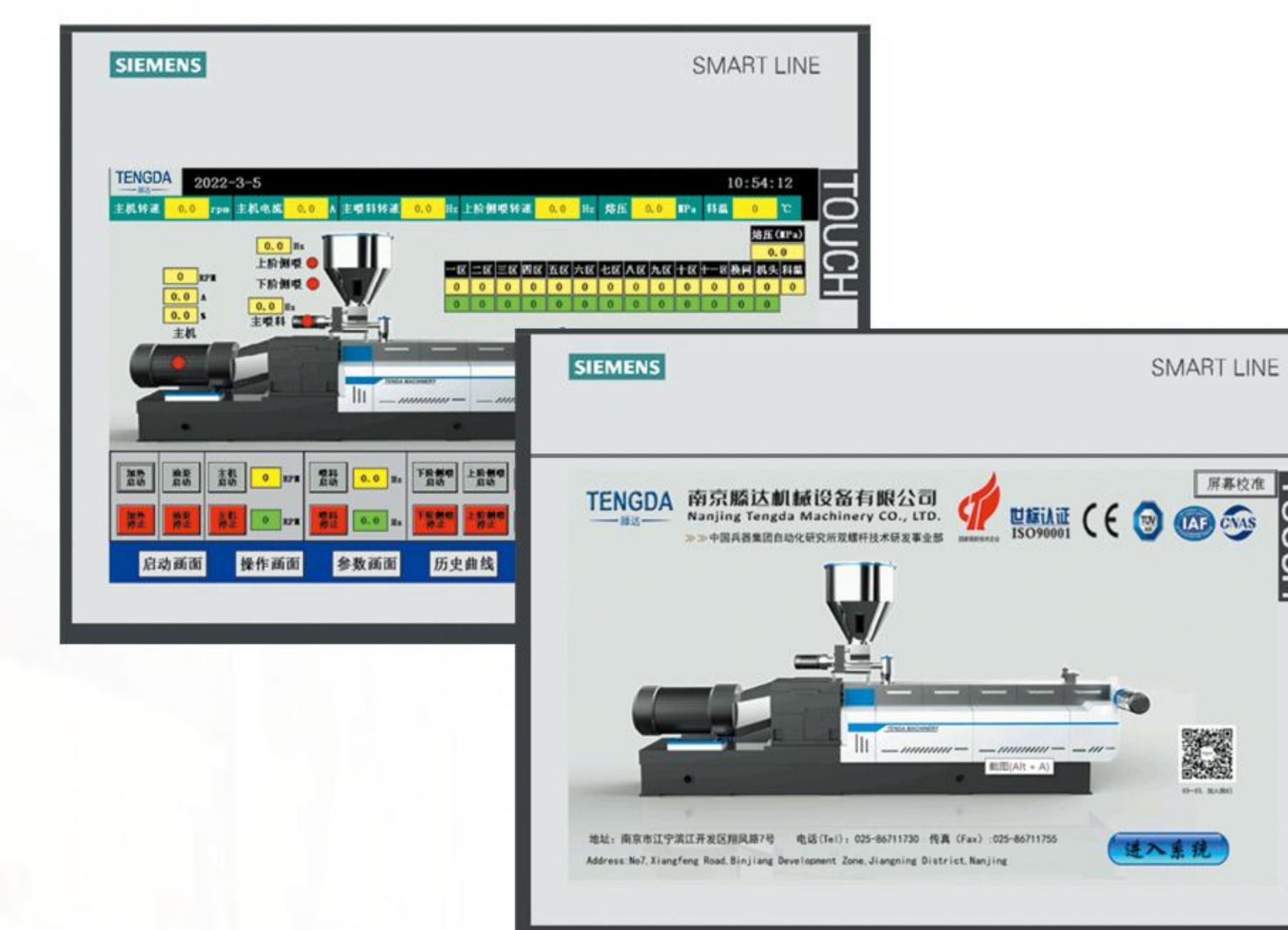
ABS染色



PC/ABS合金料



PP回料



为您的应用灵活设计电控系统，可以配置多种水平的控制和自动化系统，以满足客户的不同需求。

■ 标准仪表型

- ◆ 温控采用国际进口品牌智能型温控表，配以双通道、PID 参数自整定功能，控制精准，灵活。
- ◆ 主机软水系统电磁阀全部采用进口国际品牌，确保长期可靠运行。
- ◆ 电气元器件均采用国际进口品牌。
- ◆ 可靠的安全连锁保护功能。
- ◆ 电控柜结构参照欧洲规范设计制作，线路编码清晰，空间宽敞，通风散热效果好，维护检修方便。

Electrical control system can be designed by customers' application. It can be equipped with various levels of control and automation system so as to meet the different needs of customers.

■ Standard Instrument Type

- ◆ The temperature control adopts the international imported brand intelligent temperature control instrument, equipped with dualchannel and PID parameter self-tuning functions. Control is precise and flexible.
- ◆ The electromagnetic valve of soft water system adopts the imported international brands so as to ensure the long-term and reliable operation.
- ◆ Electrical components adopts imported international brands.
- ◆ It has reliable security interlock protection function.
- ◆ The structure of control cabinet is designed according to European standard, so that the code of lines is clear, the space is spacious, the effect of ventilation and heat dissipation is good, and the maintenance and repairing are also convenient.

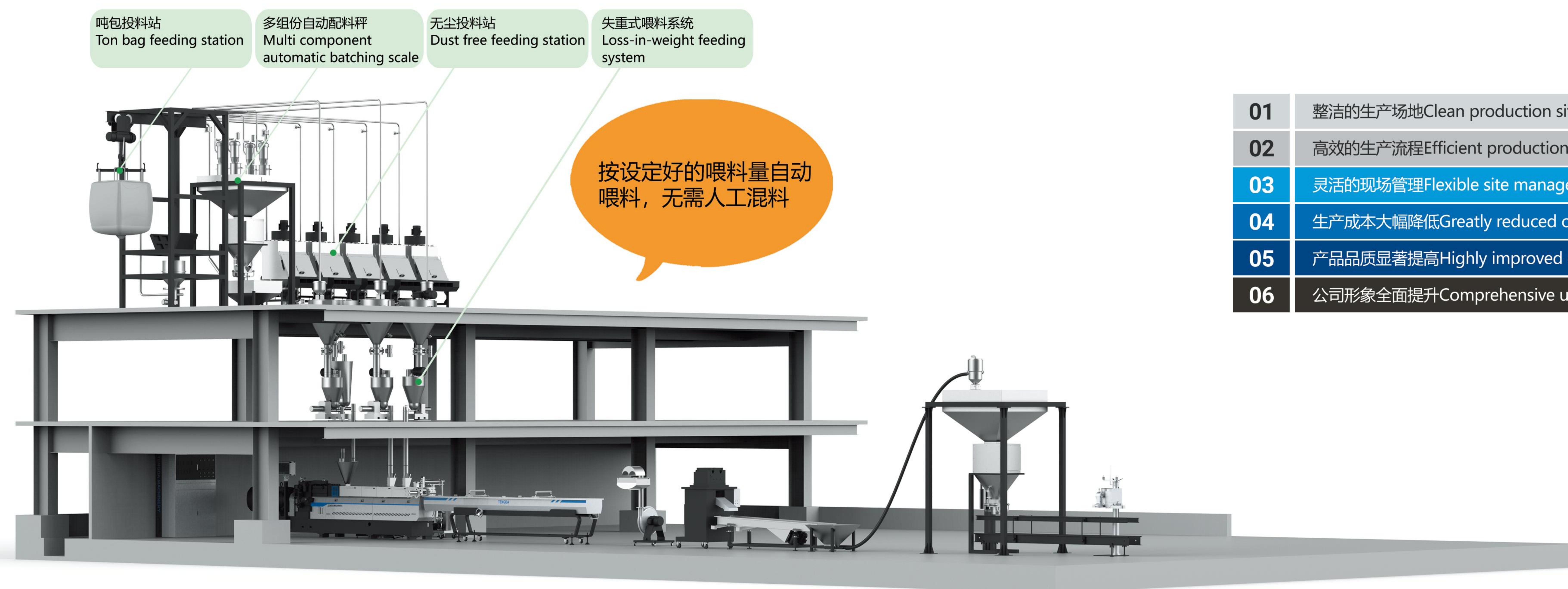
■ PLC 控制

- ◆ 采用触摸屏，系统操作可视化、参数设定界面人性化设计，安全可靠，操作简便。
- ◆ 温度控制系统采用智能化温控模块，实现精准控温。
- ◆ 设备各运行参数数据的实时储存。
- ◆ 可提供设备历史运行信息，追溯故障原因，快速查找动态工艺数据，及时修正，优化生产过程，有效节省了时间和成本。
- ◆ 电气元器件均采用施耐德、西门子等进口知名品牌。
- ◆ 可通过PC 或移动终端对设备进行实时远程监控，具备远程数据调取及修改功能，可满足生产过程优化的需要。

■ PLC Control System

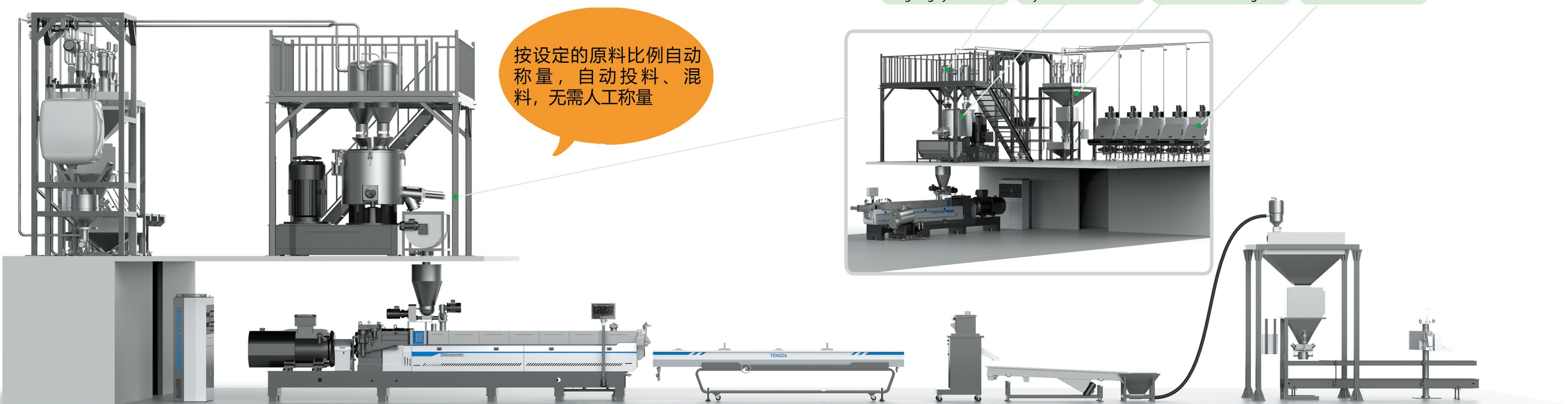
- ◆ Visualization of system operation and humanized design of parameter setting interface are safer and easier to operate.
- ◆ Temperature control system adopts intelligent temperature control module to achieve precise temperature control.
- ◆ Real-time storage of equipment operating parameter date.
- ◆ It can provide historical operation information of the equipment, trace the cause of the failure, quickly find dynamic process data, correct it in time, optimize the production process and effectively save time and costs.
- ◆ Electrical components adopt the imported international brands such as "Schneider" and "Siemens".
- ◆ The device can be monitored remotely by PC or mobile terminals in real time, and has the functions of remote data acquisition and modification. It can meet the needs of production process optimization.

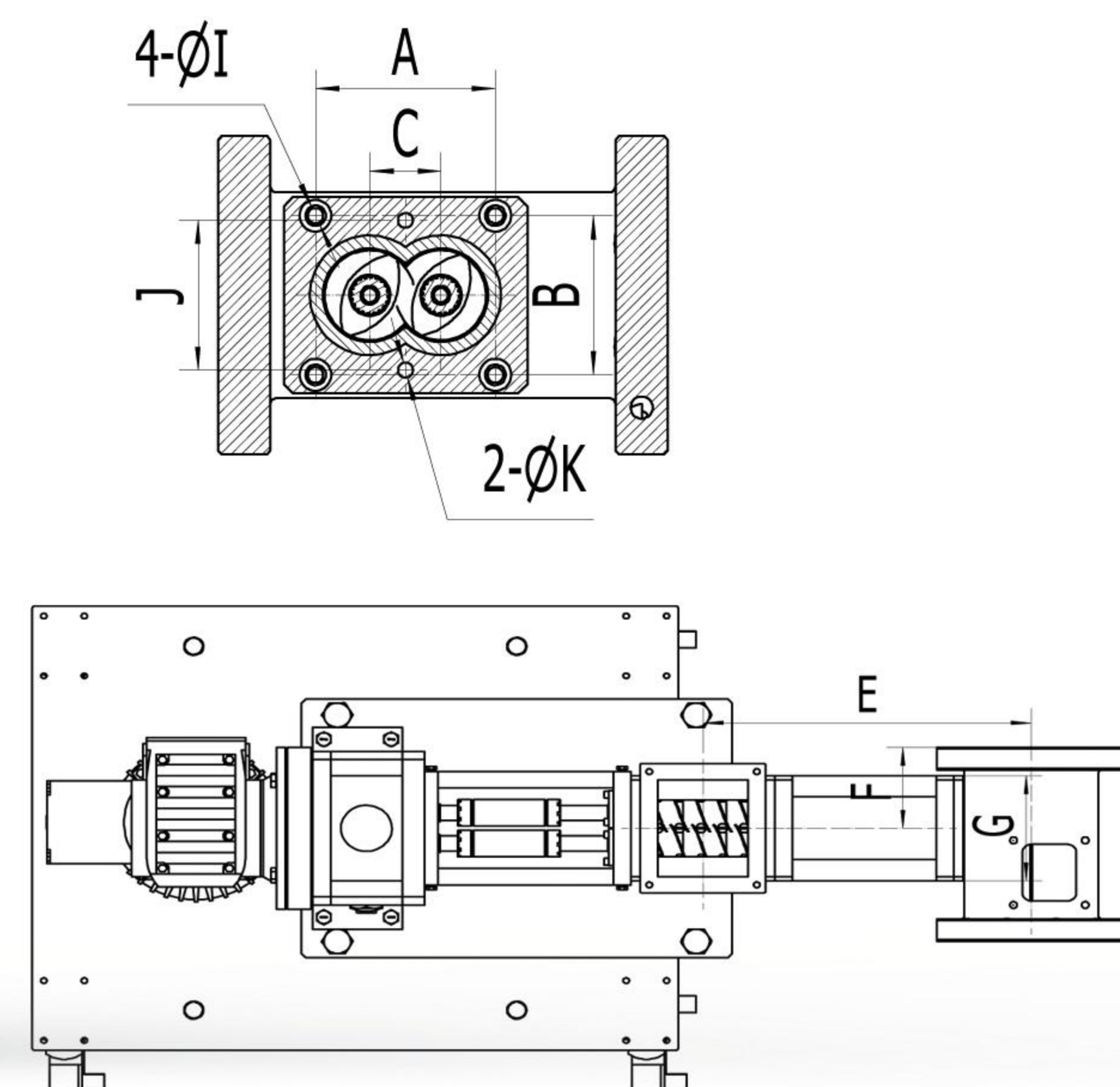
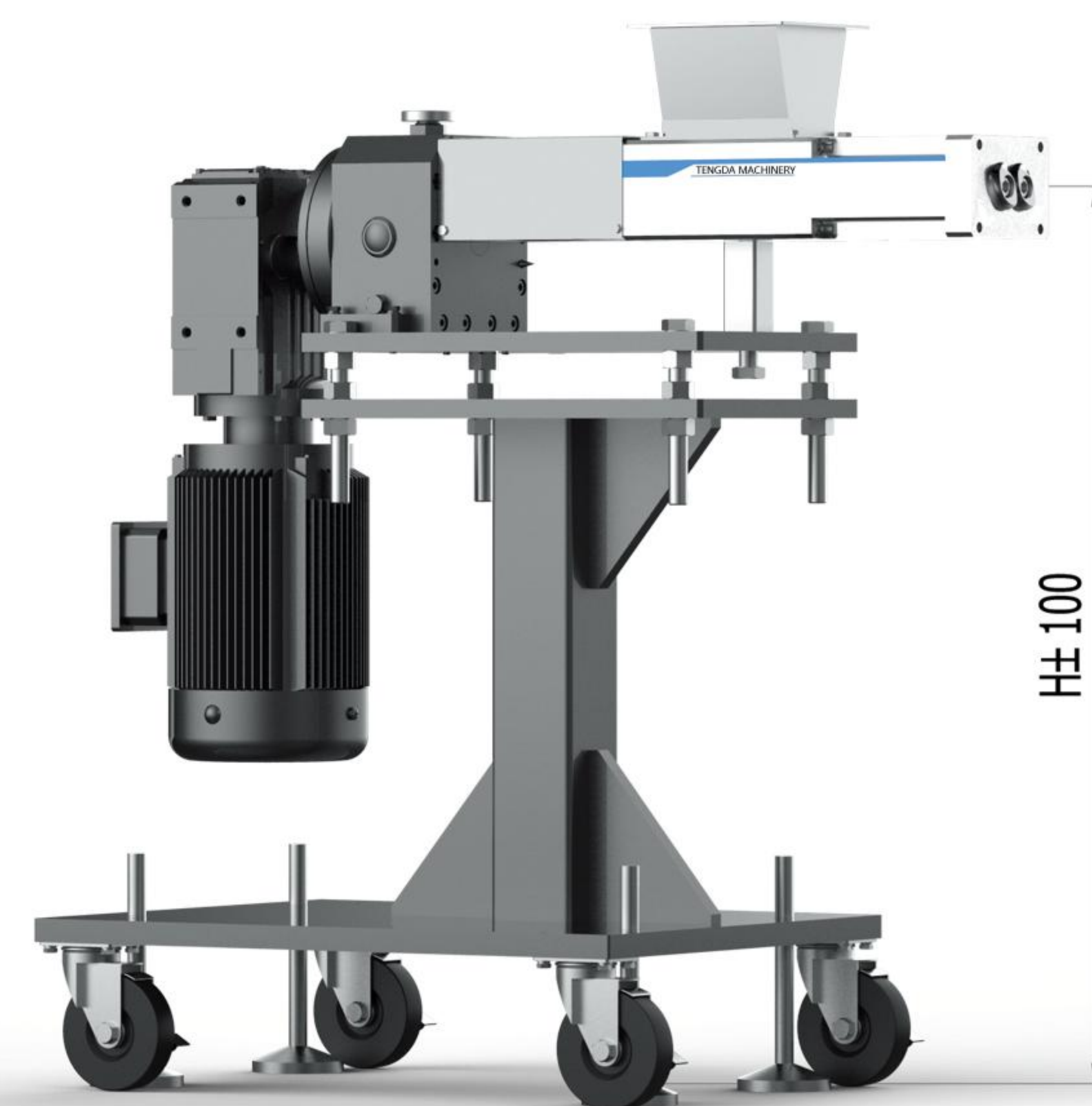
失重式喂料系统 Loss-in-weight feeding system



- 01 整洁的生产场地Clean production site
- 02 高效的生产流程Efficient production process
- 03 灵活的现场管理Flexible site management
- 04 生产成本大幅降低Greatly reduced of production cost
- 05 产品品质显著提高Highly improved of production quality
- 06 公司形象全面提升Comprehensive upgrade of corporation imagine

自动配料混料系统Automatic batching and mixing system





侧喂料机产品具有以下特点:

1. 螺杆材质: W6Mo5Cr4V2, 积木式设计, 组合可以根据不同物料进行调整
2. 螺杆建压效果好, 能有效地将填充物推送入主机
3. 螺杆及机筒均采用耐磨材料, 使用寿命长
4. 有收集粉末的抽屉, 便于打扫
5. 有玻璃视窗, 便于观察运行状况
6. 有高度微调机构, 便于与主机连接安装
7. 结构紧凑, 稳固, 占地小

Characteristics:

1. Feeding screw material: W6Mo5Cr4V2, modular design, the combination can be adjusted according to different materials.
2. The screw has a good pressure building effect and can effectively push the filler into the main extruder;
3. The screw and barrel are made of wear-resistant materials, with long service life;
4. There are drawers for collecting powder, which is easy for cleaning;
5. There are glass windows for easy observation of operating conditions;
6. There is a height fine-tuning mechanism, which is easy to connect and install with the extruder.
7. Compact and stable structure, small footprint;

TD-CW系列积木式强制侧向喂料机参数表

TD-CW series building block forced side feeder parameter table

设备型号 Model	长径比 L/D	电机功率 Motor (kW)	螺杆材质 Screw material	机筒冷却 Barrel cooling	尺寸 Dimension										
					A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)
TD-CW-36	10	1.5	W6Mo5Cr4V2	可选 Optional	75	65	30	φ 35.6	336	80	90	1000	φ 9	70	φ 8
TD-CW-40	10	1.5	W6Mo5Cr4V2	可选 Optional	96	70	30	φ 37	365	90	126	1000	φ 9	70	φ 8
TD-CW-50	10	2.2	W6Mo5Cr4V2	可选 Optional	96	85	38	φ 48	365	100	130	1000	φ 11	80	φ 8
TD-CW-60	10	3	W6Mo5Cr4V2	可选 Optional	126	85	46	φ 58	415	130	160	1100	φ 11	80	φ 10
TD-CW-70	9	5.5	W6Mo5Cr4V2	可选 Optional	146	90	53.5	φ 68	430	135	165	1100	φ 11	85	φ 10



失重式液体秤 (Liquid Loss-in-Weight Feeder)

体积式液体泵 (Volumetric Liquid Pumps)

适用原料

- ◆ 水、阻燃剂、润滑剂、抗氧化剂、甘油、防静电剂等各种液体。

典型配置

1. 计量罐及管道采用双层设计, 加热方式有电加热、水加热、油加热三种;
2. 液体泵前端配置过滤器, 防止异物混入, 对泵予以保护;
3. 配置耐震压力表, 可监测供液压力;
4. 配置集油托盘, 防止液体洒到地上;
5. 配置脚轮, 移动方便;
6. 优质保温材料, 高密封设计, 避免不必要的能量损耗;

Applicable raw materials

- ◆ Various liquids such as water, flame retardants, lubricants, antioxidants, glycerin, antistatic agents, etc.

Typical configuration

1. The measuring tank and pipeline are designed with double layers, and there are three heating methods: electric heating, water heating and thermal heating;
2. The front end of the liquid pump is equipped with a filter to prevent foreign matter from mixing in and protect the pump;
3. Equipped with a shock-resistant pressure gauge, which can monitor the hydraulic pressure;
4. Configure the oil collection tray to prevent the liquid from spilling on the ground;
5. Equipped with casters, easy to move;
6. High-quality thermal insulation materials, high-sealing design, to avoid unnecessary loss of capacity.

液体加料装置参数表 Parameter table of liquid feeding device

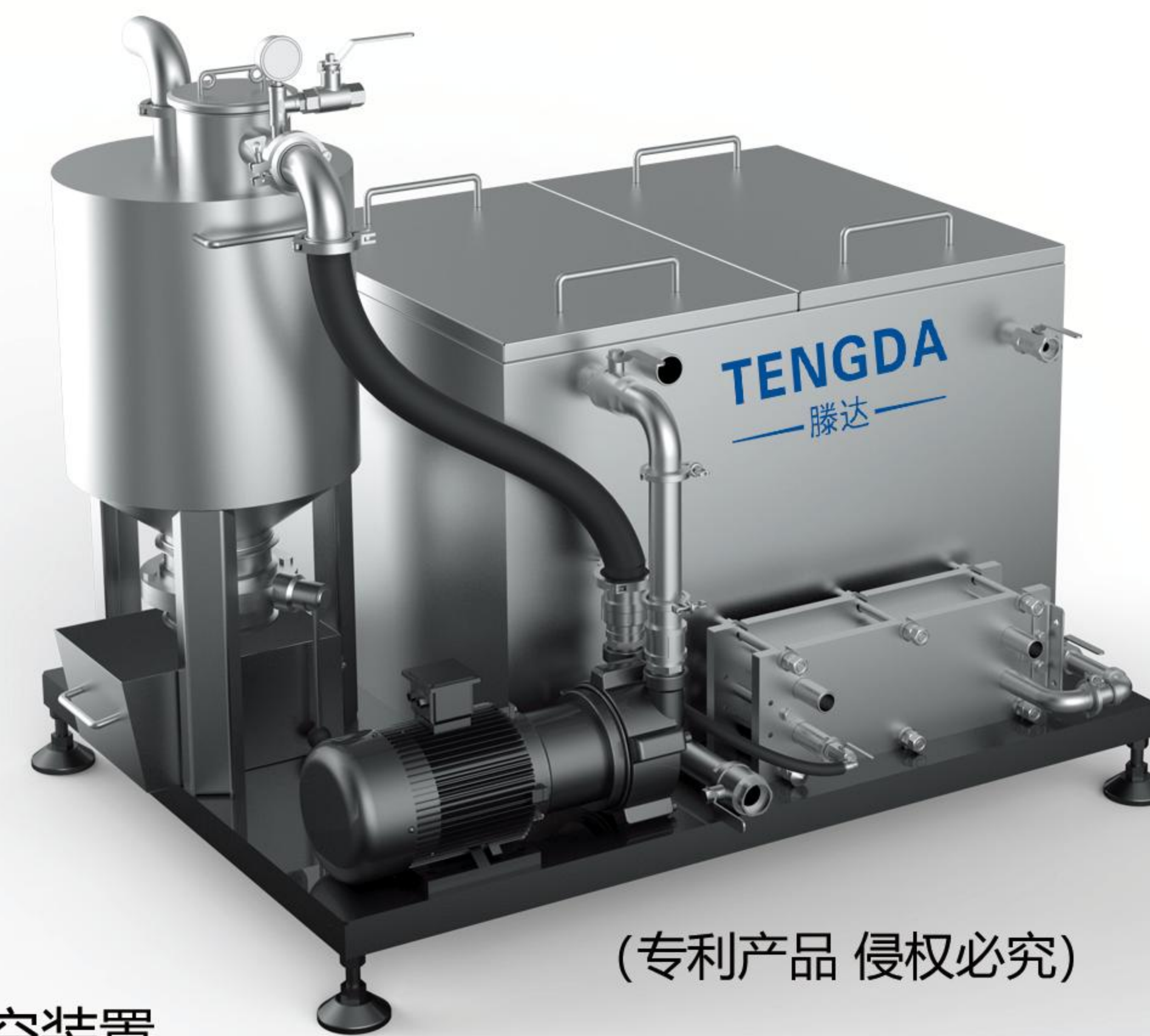
设备型号 Model	电机功率 Motor(kW)	生产能力 Output (kg/h)	储料罐容积 (L)
TD-YTC (B) -20	0.55kw	2~20	50
TD-YTC (B) -100	1.5kw	20~100	100
TD-YTC (B) -200	2.2kw	100~200	150

外循环水无污染，可循环使用；

废水零排放；

The external circulating water is pollution-free, can be recycled;

Zero discharge of waste water



箱式循环真空装置
(Box-type circulating vacuum device)

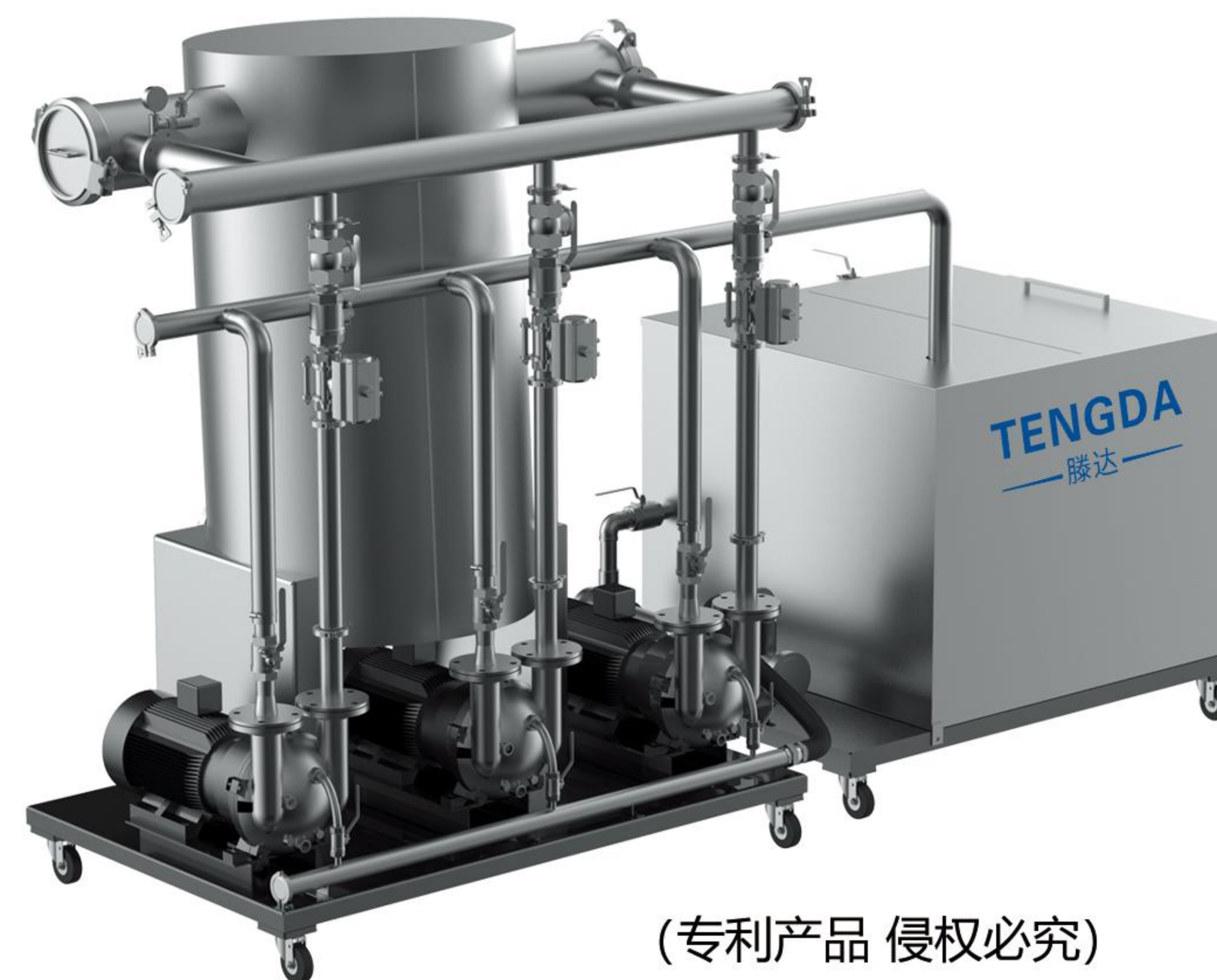
(专利产品 侵权必究)

独立放置，可供多台挤出机使用；

废水零排放；

Independently placed, can be used by multiple extruders;

Zero discharge of waste water



集中真空装置
(Centralized vacuum control device)

(专利产品 侵权必究)

■ 特性

- ◆ 配置长效真空集污罐，用于收集真空抽出垃圾及冷凝洗涤烟气，对垃圾及烟气收集率在 98%以上，从而保证了真空管路与水环泵可以长期工作不堵塞。
- ◆ 集污罐采用可移动底盘，前后分别以不锈钢软管快卡连接主机及真空支管，可以快速拆装移除或更换集污罐。

■ Features

- ◆ Equipped with a long-term vacuum sewage collection tank, which is used to collect vacuum-extracted garbage and condensate washing flue gas. The collection rate of garbage and flue gas is above 98%, thus ensuring that the vacuum pipeline and water ring pump can work for a long time without clogging.
- ◆ The sewage collection tank adopts a movable chassis, and the front and rear are connected to the main extruder and the vacuum branch pipe with stainless steel hoses, which can be quickly disassembled to remove or replace the sewage collection tank.

双螺杆主机螺杆、筒体材质选用表Material selection table



■ 高性能螺纹元件

客户对于工艺可能有着不同的需求，为解决客户的需求，我们提供多种材料选择，尽可能降低您的磨损。我们将材料进行了分类，您可以按需选择合适的材料，请参考下表：

- High-performance screw elements

Customers may have different needs for the process. In order to solve the needs, we offer various materials options to minimize the wear.

We have classified the materials and you can choose the appropriate material according to your need. Please refer to the table below.

01

优质氮化钢
38CrMoAl

02

模具钢
Cr12Mov

03

高速工具钢
W6Mo5Cr4V2

04

不锈钢
316L/SUS440C

05

镍基合金
Ni60

06

PM-HIP粉末合金
SAM10/CPM10V

■ 简体

在某些工艺段，如熔融段，建压段，混合和分散段，筒体和内衬套会经受不同的应力变化，甚至局部区域要耐受很高的磨损，因此我们给客户提供了不同材质的选择。

■ Barrel

In some process sections, such as melting section, pressure building section, mixing and dispersing section, the barrel and inner liner will

experience different stress changes, and even local areas have to with stand high wear, so we provide customers with some choice of different.

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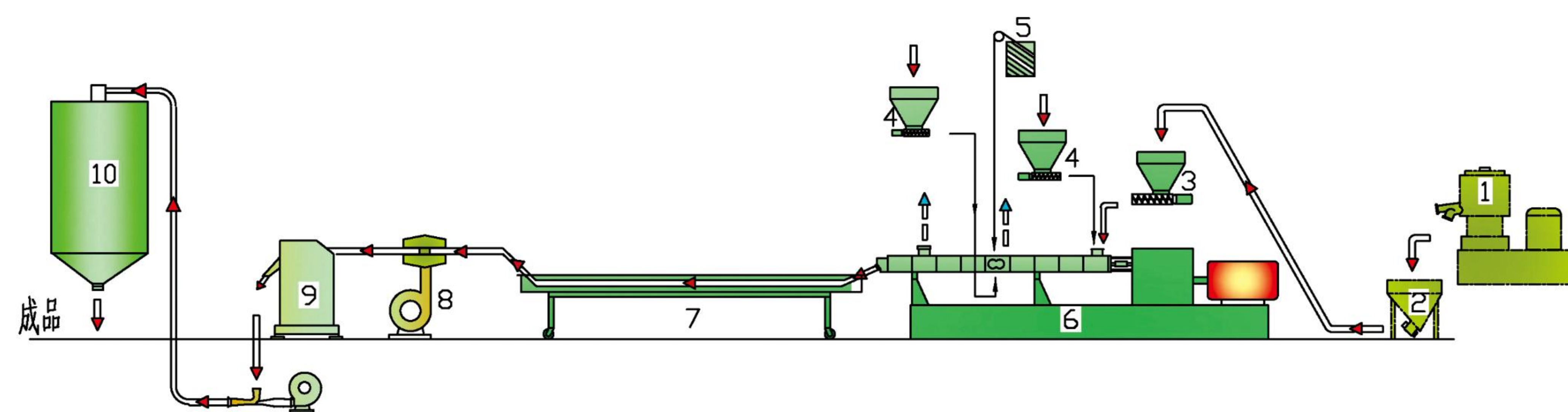


双螺杆配混挤出机 Twin-screw compounding extruder		TSH-Plus系列 TSH-Plus Series						TDH-D系列 TDH-D Series					
		35P	40P	52P	65P	75P	95P	35D	40D	52D	65D	75D	95D
工艺过程 Processes	典型物料 Typical Materials	生产能力 kg/h (与物料及加工工艺有关, 仅作参考值) Output (kg/h) (Decided by raw material formula and processing technology, just for reference)											
共混改性 (橡塑共混、塑料合金) Blending Modification (Rubber-plastic Blending, Plastic Alloy)	PP、PA、PE+EPDM; PE、PP、PS+SBS; PP+NBR; EVA+硅橡胶;TPR鞋底料等 PP、PA、PE+EPDM; PE、PP、PS+SBS; PP+NBR; EVA+Silicone rubber; TPR Shoe sole materials, etc.	40~60	60~120	160~250	200~300	350~500	600~1000	60~120	120~180	200~300	420~600	550~800	1400~2200
	PP+PE; PBT+PET; PA、PC、CPE、TPU+ABS等 PP+PE; PBT+PET; PA、PC、CPE、TPU+ABS, etc.	30~50	50~100	150~230	180~280	300~450	500~900	50~100	110~170	180~280	350~550	500~750	1300~2000
填充改性 Filling Modification	PE、PP、PS、EVA等+碳酸钙、滑石粉、钛白粉 PE、PP、PS、EVA, etc. + CaCo3、Talc powder、Titanium dioxide	30~60	50~120	150~250	180~300	300~500	500~1000	50~120	110~180	180~300	350~600	500~850	1300~2100
	PP、PA6、PA66、ABS+铁粉、磁粉、陶瓷粉 PP、PA6、PA66、ABS+Iron Powder、Magnetic powder、Ceramic powder	50~90	80~160	180~300	220~350	450~600	700~1100	80~160	130~210	220~350	550~700	600~950	1600~2500
通用色母及纤维级色母 Common Masterbatch and Fiber Grade Masterbatch	PE、PP、PS、ABS、EVA、PET等+无机或有机颜料 PE、PP、PS、ABS、EVA、PET, etc.+Inorganic or organic pigments	30~60	50~120	150~250	180~300	300~500	500~1000	50~120	110~180	180~300	350~600	500~850	1300~2100
功能母粒 Functional Masterbatch	炭黑母粒: PE、PP、PS、ABS、EVA等+炭黑 Carbon Black Masterbatch: PE、PP、PS、ABS、EVA, etc.+ Carbon black	20~40	40~90	120~200	150~240	240~350	450~650	40~90	90~150	150~240	300~420	400~650	1000~1700
	阻燃母粒: PE、ABS、PA、PBT等+阻燃剂及助剂 Flame Retardant Masterbatch: PE、ABS、PA、PBT, etc.+Flame retardants and Additives	40~70	60~120	160~300	200~350	350~500	600~1000	60~120	120~180	200~300	420~600	550~850	1400~2200
	降解母粒: PBAT、PE、PS等+淀粉; PBAT、PP+碳酸钙、滑石粉 Biodegradable Masterbatch: PBAT、PE、PS, etc.+Starch; PBAT、PP+CaCo3、Talcum powder	30~60	50~120	150~200	180~250	300~420	500~900	50~120	110~150	180~250	350~500	500~700	1300~1800
	双防母粒: 降温母粒; 高保温母粒; 流变改性母粒 Double-proof Masterbatch: Cooling masterbatch; High insulation masterbatch; Rheology modified masterbatch	25~40	40~70	110~180	140~220	220~360	550~800	40~70	80~130	140~220	260~430	380~620	1000~1600
玻纤 (碳纤) 增强 Glass Fiber(Carbon Fiber) Reinforced	PE、ABS、AS、PBT、PET、PA、PC、PPS+碳纤 PE、ABS、AS、PBT、PET、PA、PC、PPS+Carbon Fiber	30~60	50~100	150~200	180~240	250~380	600~900	50~100	110~150	180~240	300~600	500~700	1300~1700
	PP、ABS、AS、PBT、PET、PA、PC、PPS、PPO等+长玻纤或短玻纤或晶须 PP、ABS、AS、PBT、PET、PA、PC、PPS、PPO, etc.+Long or short glass fibers or whiskers	25~45	40~80	160~280	200~350	300~450	600~900	40~80	120~210	200~320	360~550	550~900	1400~2300
特种物料 Special Material	EVA热熔胶、聚烯烃热熔胶、聚氨酯 EVA hot melt adhesive、Polyolefin hot melt adhesives、Polyurethane	20~30	40~80	90~150	110~180	200~300	450~600	40~80	65~110	110~180	240~360	300~500	800~1300
	光缆被覆料、醋酸纤维、PP卷烟滤材 Coating material used for optical fiber、Acetate fiber、PP cigarette filter material	30~60	80~140	160~230	200~280	320~500	700~1000	80~140	120~170	200~280	380~550	550~750	1400~2000
	发 (转) 光塑料、抗菌塑料、抗紫外线塑料 Light-emitting (trans)plastic、Anti-bacterial plastic、UV-resistant plastic	40~70	60~120	160~250	200~300	350~500	600~1000	60~120	120~180	200~300	420~600	550~800	1400~2100
各类电缆料 All Kinds of Cable Material	HDPE、LDPE、LLDPE、MDPE绝缘料、护套料 HDPE、LDPE、LLDPE、MDPE insulating material、Sheathing material	30~60	80~120	150~230	180~280	300~450	500~750	80~120	110~170	180~280	360~550	500~800	1300~2000
	PE硅烷交联、PE辐射交联、PE交联屏蔽电缆料 PE silane cross-linking、PE Radiation Crosslinking、PE cross-linked shielded cable material	20~50	70~100	130~200	160~240	280~380	500~700	70~100	90~150	160~240	340~460	450~650	1100~1700
	低烟低卤PVC电缆料、低烟无卤聚烯烃电缆料 Low smoke and low halogen PVC cable material、Low smoke and halogen free polyolefin cable material	40~80	80~140	200~290	250~350	350~500	700~1000	80~140	150~200	250~350	420~600	700~950	1800~2500
反应挤出 Reactive Extrusion	聚酯 (亚) 胺缩聚反应、聚氨酯加聚反应、聚酯熔体聚合反应、聚甲醛本体连续聚合反应、甲基丙烯酸甲酯本体连续聚合反应 Poly(acylene)amine condensation reaction、Polyurethane polymerisation reaction、Polyester melt polymerisation reaction、Paraformaldehyde bodies continuous polymerisation reaction、Methylmethacrylate bodies continuous polymerisation reaction	5~15	15~40	65~150	80~180	200~400	350~550	15~40	50~110	80~180	240~480	260~500	550~1300
排气脱挥后处理 Gas-exhaustion and de-volatilisation treatment	氯化聚丙烯、氯磺化聚乙烯、高吸水性树脂、高抗冲透明聚苯乙烯树脂、SBS、SEBS、氟橡胶、氟塑料 Chlorinated polypropylene (CPP)、Chlorosulfonated Polyethylen (CSM)、Super absorbent resin、High impact Transparent polystyrene resin、SBS、SEBS、Fluoroelastomer、Fluoroplastics	10~30	40~70	65~130	80~160	160~240	300~500	40~70	50~100	80~160	200~290	220~450	550~1100
粉末涂料 Powder Coatings	聚酯型、聚氨酯型、环氧型、丙酯型、丙烯酸酯型 Polyster type、Polyurethane (PU) type、Epoxy type、Propylester type、Acrylate type	60~100	80~160	300~400	400~500	600~800	900~1400	80~160	240~300	400~500	700~900	800~1300	2800~3600

双阶配混挤出机 Two-stage compounding extruder		TSH52/SE120	TSH65/SE150	TSH75/SE180	TSH95/SE200
工艺过程 Processes	典型物料 Typical Materials	生产能力kg/h (与物料及加工工艺有关, 仅作参考值) Output (kg/h) (Decided by raw material formula and processing technology, just for reference)			
热敏性聚合物加工 Thermosensitive Polymer Processing	PVC电缆料、低烟低卤或无卤阻燃电缆料、发泡鞋底料、PVC透明瓶料、输血管料 PVC cable material、Low smoke and low (free) halogen PVC cable material、Foamed shoe sole material、PVC transparent bottle material、Blood vessel material	150~300	250~400	400~800	700~1500
	PE硅烷交联电缆料、PE交联管材料、过氧化物交联电缆料、PE交联屏蔽料、各种橡胶挤压脱水 PE silane cross-linking cable material、PE cross-linking tube material、Peroxide cross-linking cable material、PE cross-linking shielded cable material、Various extruded and dewatered rubber	120~200	200~400	300~800	500~1000

双螺杆水冷拉条造粒机组

Twin Screw Water-cooling Strand Pelletizing System



1.高混机 2.上料机 3.主喂料机 4.侧向辅助喂料机 5.玻纤长纱 6.双螺杆主机 7.水槽 8.吹干机 9.切粒机 10.成品料仓

1.High-speed mixer 2.Screw conveyor feeder 3.Main feeder 4.Side auxiliary feeder 5.Long glass fiber yarn 6.Twin screw extruder 7.Water sink 8.Dryer 9.Pelletizer 10.Finished product silo

适用于

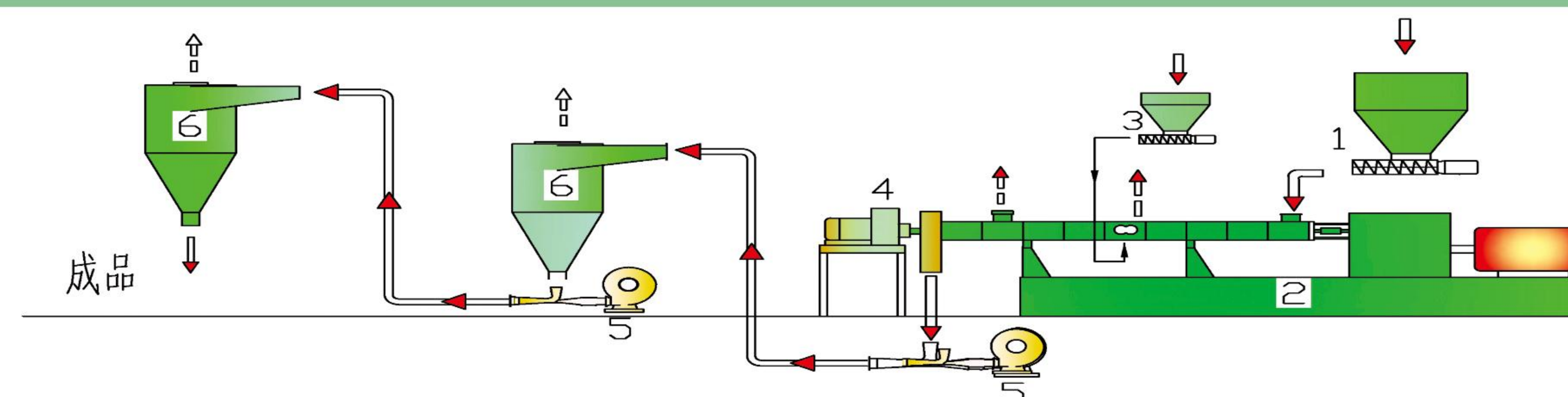
增强改性：如PP、PA、PBT、ABS、AS、PC、POM、PPS、PET等加玻纤、碳纤；
共混合金：PC+ABS、PA+ABS、CPE+ABS、PP+EPDM、PA+EPDM、PP+SBS等；
填充改性：PE、PP、EVA等+碳酸钙、滑石粉、钛白粉、炭黑等；
电缆料：LDPE、HDPE、LLDPE、MDPE护套料、绝缘料；辐射交联料、光缆被覆料、热收缩管料；
专用料：PPR管材料、PE交联管材料、香烟滤芯材料、醋酸纤维等；
浓色母粒：PE、ABS、PS、EVA、PET、PP等+颜料、助剂等；
阻燃母粒：PP、PA、ABS、EVA、PBT等+阻燃剂、助剂等；
专用母粒：双防母粒、抗静电母粒、抗菌母粒、高保温母粒、降温母粒等；
可降解母粒：PLA+淀粉、助剂等；

Applications

Fiber Reinforcement: glass fiber and carbon fiber such as PP, PA, PBT, ABS, AS, PC, POM, PPS, PET;
Polymer blending alloy: PC+ABS, PA+ABS, CPE+ABS, PP+EPDM, PA+EPDM, PP+ABS etc;
Filling modification: PE, PP, EVA etc. with CaCo3, Talc, TiO2 or carbon black etc;
Cable materials: cable sheath and cable insulation materials of LDPE, HDPE, LLDPE, MDPE; radiation-crosslinked materials, optical fiber protection materials and heat-shrinkable polymer materials;
Special materials: PPR pipe materials, PE crosslinked pipe materials, tobacco filter element materials and cellulose acetate fiber;
High concentration color master batch: PE, ABS, PS, EVA, PET, PP etc. with pigments and additives;
Flame-retardant master batch: PP, PA, ABS, EVA, PBT etc. with flame retardants and additives;
Special functional master batches: double-protection master batches, anti-static master batches, anti-bacteria master batches, high-temperature master batches, and temperature-reducing master batches;
Biodegradable material masterbatch: PLA+Starch, additives;

双螺杆风冷模面热切机组

Twin Screw Air-Cooling Die-Face Hot-Cutting Pelletizing System



1. 计量喂料机 2.双螺杆主机 3.侧向强制喂料机 4.风冷热切粒机 5.输送风机 6.旋风料仓

1.Metering feeder 2.Twin screw extruder 3.Side forced feeder 4.Air-cooling Hot-face pelletizer 5.Conveying fan 6.Cyclone silo

适用于

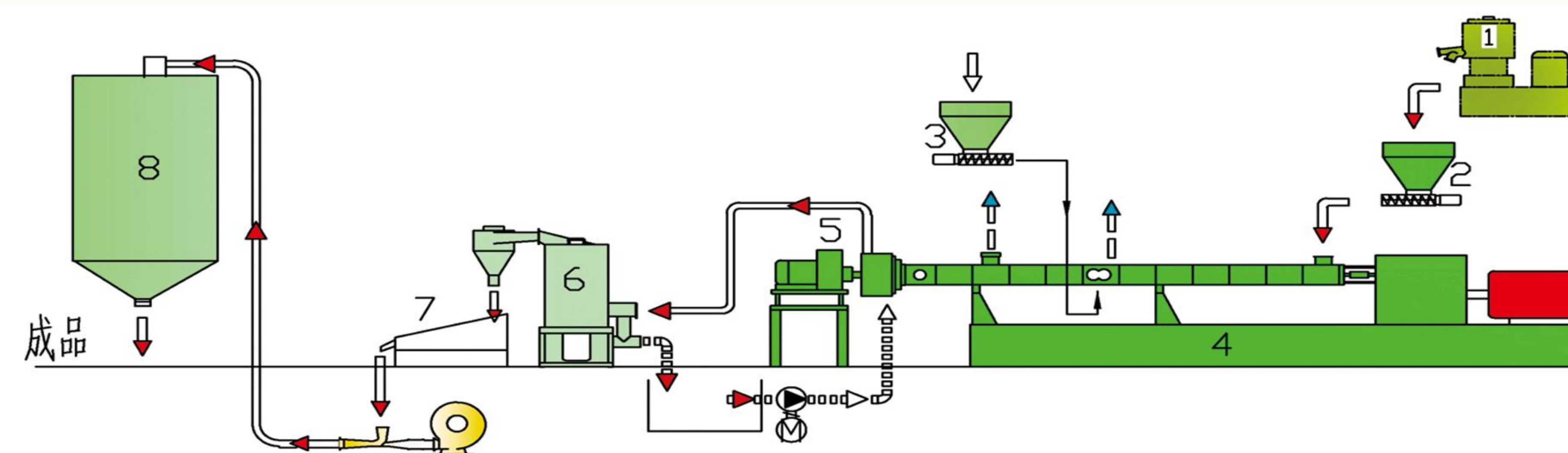
增强改性：PE、EVA等+碳酸钙、滑石粉、钛白粉、炭黑；
可降解母粒：可降解母粒：PLA+淀粉、助剂等；
阻燃母粒：PE、EVA等+三氧化二锑、氢氧化镁、氢氧化铝等。

Applications

Enforcing modification: PE, EVA etc. + CaCo3, Talc, TiO2, carbon black;
Biodegradable material masterbatch: PLA+Starch, additives;
Anti-flame master batch: PE, EVA etc. + Sb2O2, Mg(OH)2, Al2(OH)2, etc.

双螺杆水环风冷模面热切粒机组

Twin Screw Water-ring Die-Face Hot-Cutting Pelletizing System



1.高混机 2.主喂料机 3.侧向辅助喂料机 4.双螺杆主机 5.水环热切粒机 6.离心脱水机 7.振动筛 8.成品料仓

1.High-speed mixer 2.Main feeder 3.Side auxiliary feeder 4.Twin screw extruder 5.Water-ring granulator 6.Centrifugal dewaterer 7.Vibration sieve 8.Product silo

适用于

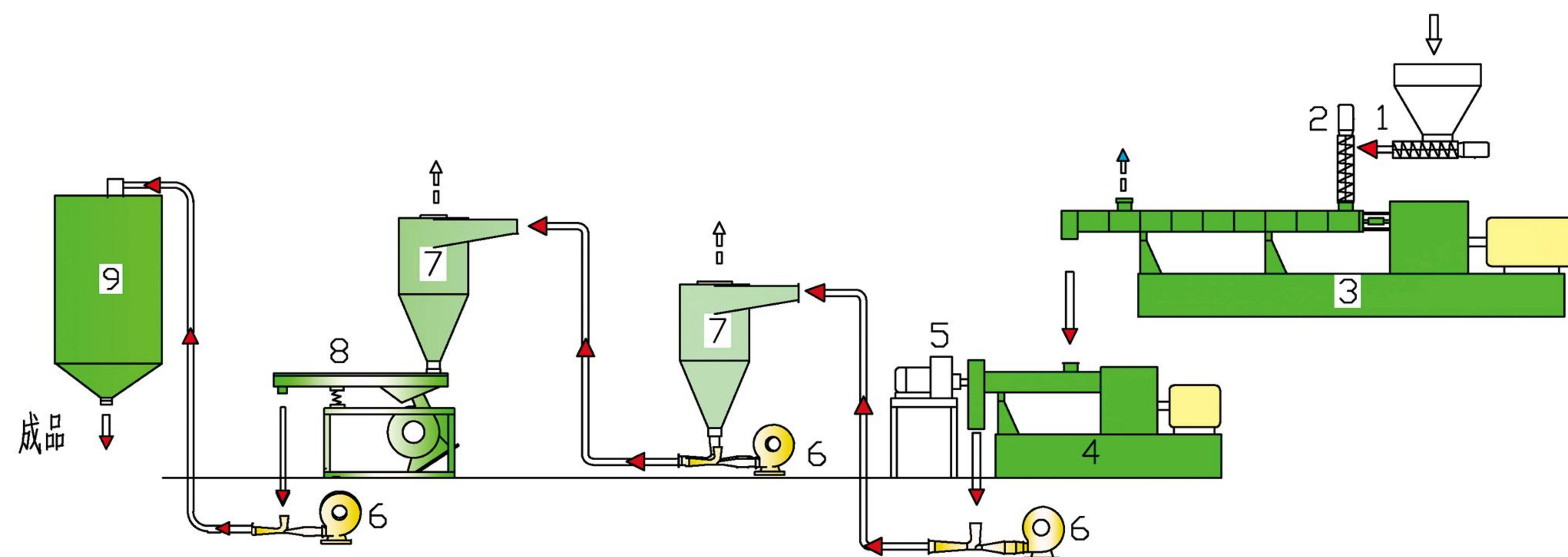
PE、EVA等+碳酸钙、滑石粉、钛白粉、炭黑等填充改性；
LDPE、HDPE、LLDPE、MDPE护套料、绝缘料；辐射交联料、光缆被覆料、热收缩管料等电缆料；
PPR管材料、PE交联管材料；TPR、TPU等热塑性弹性体、EVA及热熔胶等；PE、ABS、PS、EVA等色母粒；ABS、EVA等阻燃母粒；

Applications

PE/EVA etc. with CaCo3, Talc, TiO2, carbon black etc;
Cable sheath and cable insulation materials of LDPE, HDPE, LLDPE, MDPE; radiation-crosslinked materials, optical fiber protection materials and heat-shrinkable polymer materials;
PPR pipe materials and PE crosslinked pipe materials; TPR and TPU thermoplastic elastomers, and EVA and hot melt adhesive; Color Masterbatch such as PE, ABS, PS and EVA;

双螺杆+单螺杆风冷模面热切粒机组

Twin Screw + Single Screw Air-Cooling Die-Face Hot-Cutting Pelletizing System



1. 双螺杆喂料机 2. 强制喂料机 3. 双螺杆主机 4. 单螺杆主机 5. 热切粒机 6. 输送风机 7. 旋风分离器 8. 风冷振动筛 9. 成品料仓
1.Twin-screw feeder 2.Forced feeder 3.Twin screw extruder 4.Single screw extruder 5. Hot-cutting pelletizer 6.Conveying fan 7.Cyclone separator 8. Vibrating Sieve 9. Finished product silo

■ 适用于

将双螺杆高速、强混炼与单螺杆低速、低温、弱剪切特性相结合，扬长避短，相得益彰，为当今热敏性、剪敏性，物料高效配混改性的首选机型。

PVC电缆料、鞋底料、透明瓶料、医用料等；低烟无卤或低卤阻燃电缆线；EVA屏蔽料；PE、EVA炭黑母料等。

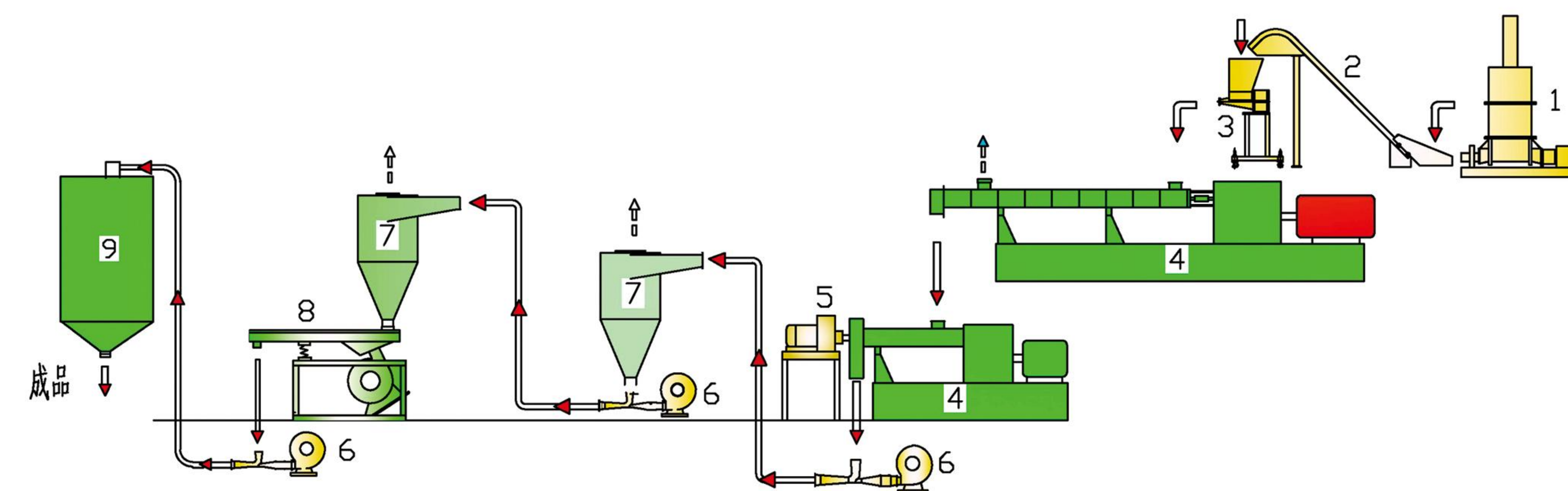
■ Applications

It combines the high speed and strong mixing of twin screw with the characteristics of low speed, low temperature and weak shear of single screw. They give full play to their own advantage and benefit each other. It's the first choice for heat sensitivities, shear sensitivity and high efficiency and mixed modification of materials.

PVC cable materials, shoe soles, transparent bottle materials, medical materials; low smoke halogen-free or low-halogen flame-retardant cable; EVA shielding materials; PE EVA carbon black master batches etc.

密炼机+斗式提升机+锥双+双螺杆+单螺杆风冷模面热切粒机组

Internal Mixer + Bucket Elevator + Conical Twin-Screw Feeder + Twin Screw Extruder + Single Screw Extruder Die-Face Hot-Cutting Pelletizing System



1. 密炼机 2. 提升机 3. 锥形双螺杆喂料机 4. 双螺杆主机 5. 热切粒机 6. 输送风机 7. 旋风分离器 8. 风冷振动筛 9. 成品料仓
1. Banbury mixer 2.Bucket elevator 3.Conical twin-screw feeder 4.Twin screw extruder 5.Hot-cutting pelletizer 6.Conveying fan 7.Cyclone separator 8.Vibrating Sieve 9.Finished product silo

■ 适用于

将密炼机与挤出机优势合理组合，工艺过程操作弹性大，流程简洁实用；
内外屏蔽料、无卤阻燃电缆线、炭黑母料等热或剪切敏感性物料高填充类作业。

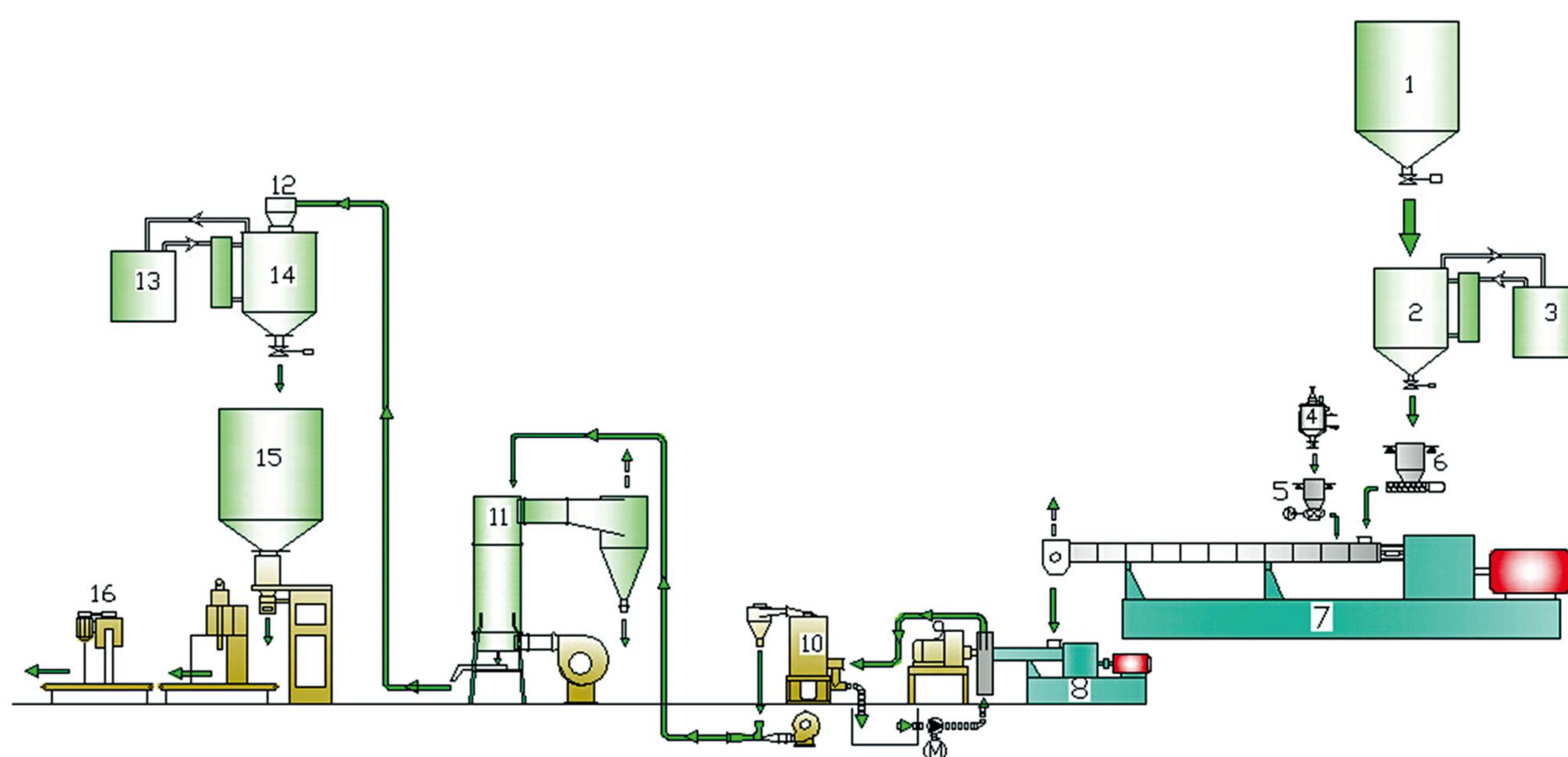
■ Applications

The advantages of the banbury mixer and the extruder are combined reasonably. The process operation flexibility is big. And the process is concise and practical.

Inner and outer shielding materials, halogen-free flame-retardant cables, carbon black master batches and other sensitive high filler materials such as heat or shear materials.

双螺杆+单螺杆水环模面热切粒机组

Twin Screw Extruder + Single Screw Extruder Water-ring die-Face Hot-Cutting Pelletizing System



1.原料仓 2.干燥料斗 3.分子筛干燥机 4.原料罐 5.失重式计量泵 6.失重式电子秤 7.双螺杆主机 8.单螺杆主机 9.水环切粒机 10.离心脱水机 11.沸腾床 12.真空上料机 13.分子筛干燥机 14.干燥料斗 15.成品料仓 16.真空包装机

1.Material silo 2.Drying hopper 3.Molecular-sieve dryer 4.Material tank 5.Loss-in-weight metering pump 6.Loss-in-weight electronic scale 7.Twin screw extruder 8.Single screw extruder 9.Water-ring pelletizer 10.Centrifugal-type Dehydrators 11.Fluidizing bed 12.Vacuum feeder 13.Molecular-sieve dryer 14.Drying hopper 15.Finished product silo 16.Vacuum packing machine

■ 适用于

可降解母粒: PLA+淀粉、助剂等;

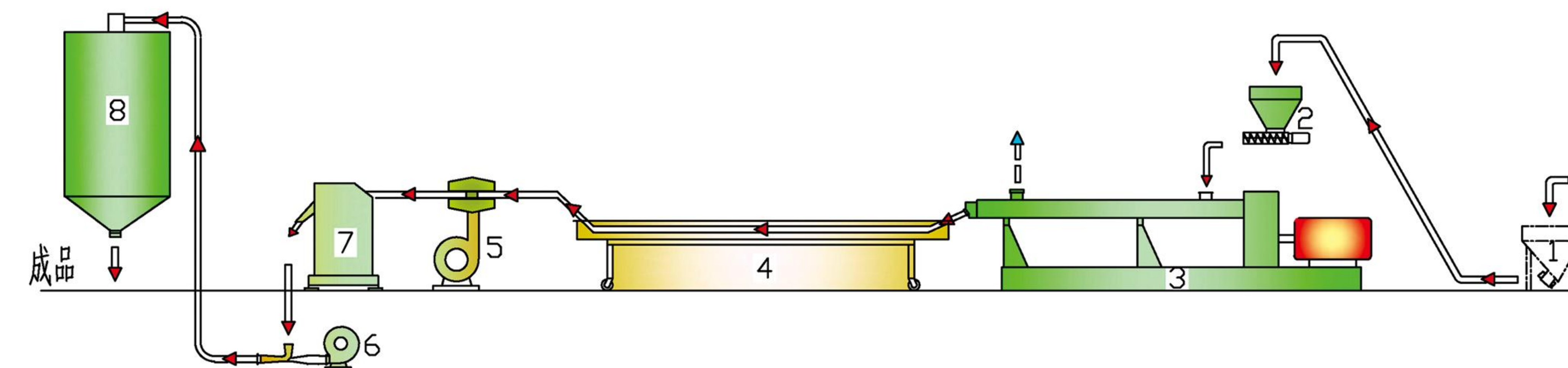
双阶式机组的另一应用范例, 与低压短流道机头, 偏心水雾热切技术相结合, 使PE塑脂、抗氧化剂、过氧化物交联剂等实现高效低温混合混炼, 避免预交联。

■ Applications

Biodegradable material masterbatch: PLA+Starch, additives;

This is another application of two-stage unit. Together with special low pressure and short channel die as well as eccentric die-head cutting technology, the two-stage unit is capable of effectively mixing/compounding PE resins, antioxidants, and peroxides etc under the low temperature to minimize premature crosslinking.

单螺杆水冷拉条造粒机组 Single Screw Water-cooling Strand Pelletizing System



1. 上料机 2. 主喂料机 3. 单螺杆主机 4. 水槽 5. 吹干机 6. 输送风机 7. 切粒机 8. 成品料仓
1.Screw loader 2.Main feeder 3.Single screw extruder 4.Water sink 5.Dryer 6.Conveying fan 7.Pelletizer 8.Product silo

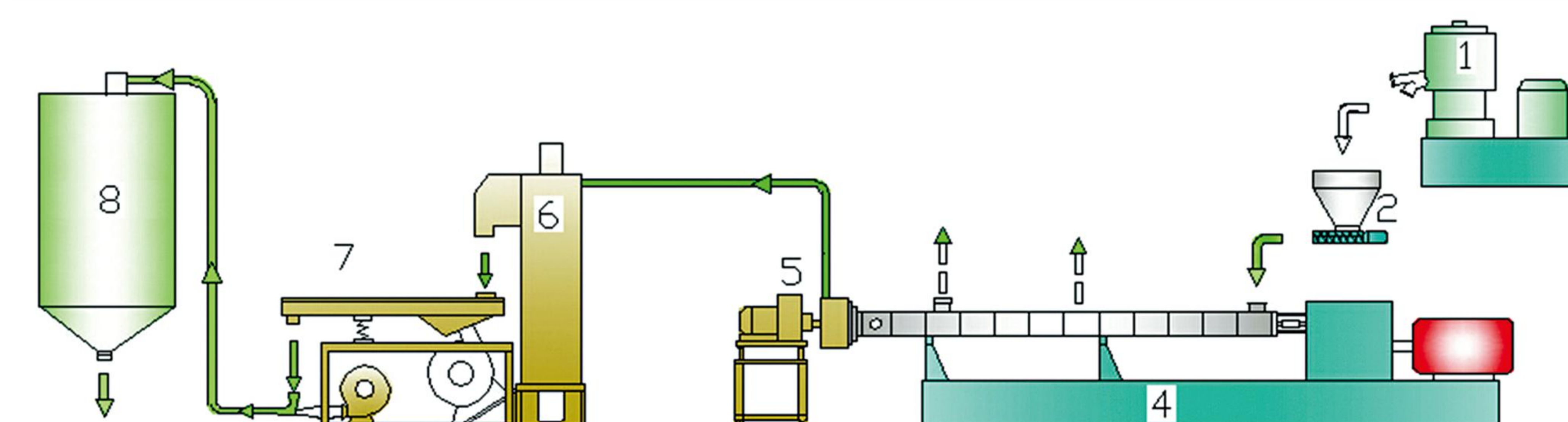
■ 适用于

ABS, PC, POM, PP, PE, PC/ABS等塑料原料染色及工程塑料回收造粒。

■ Applications

Dyeing of raw materials and recycling of engineering plastics, such as ABS, PC, POM, PP, PC/ABS.

TD-SX水下切粒机组 TD-SX Underwater Pelletizing System



1. 高混机 2. 主喂料机 3. 双螺杆主机 4. 开车阀 5. 水下切粒机 6. 脱水机 7. 振动筛 8. 料仓
1.High-speed mixer 2.Main feeder 3.Twin screw extruder 4.Driving valve 5.Underwater pelletizer 6.Dehydrator 7.Vibrating sieve 8.Product silo

■ 适用于

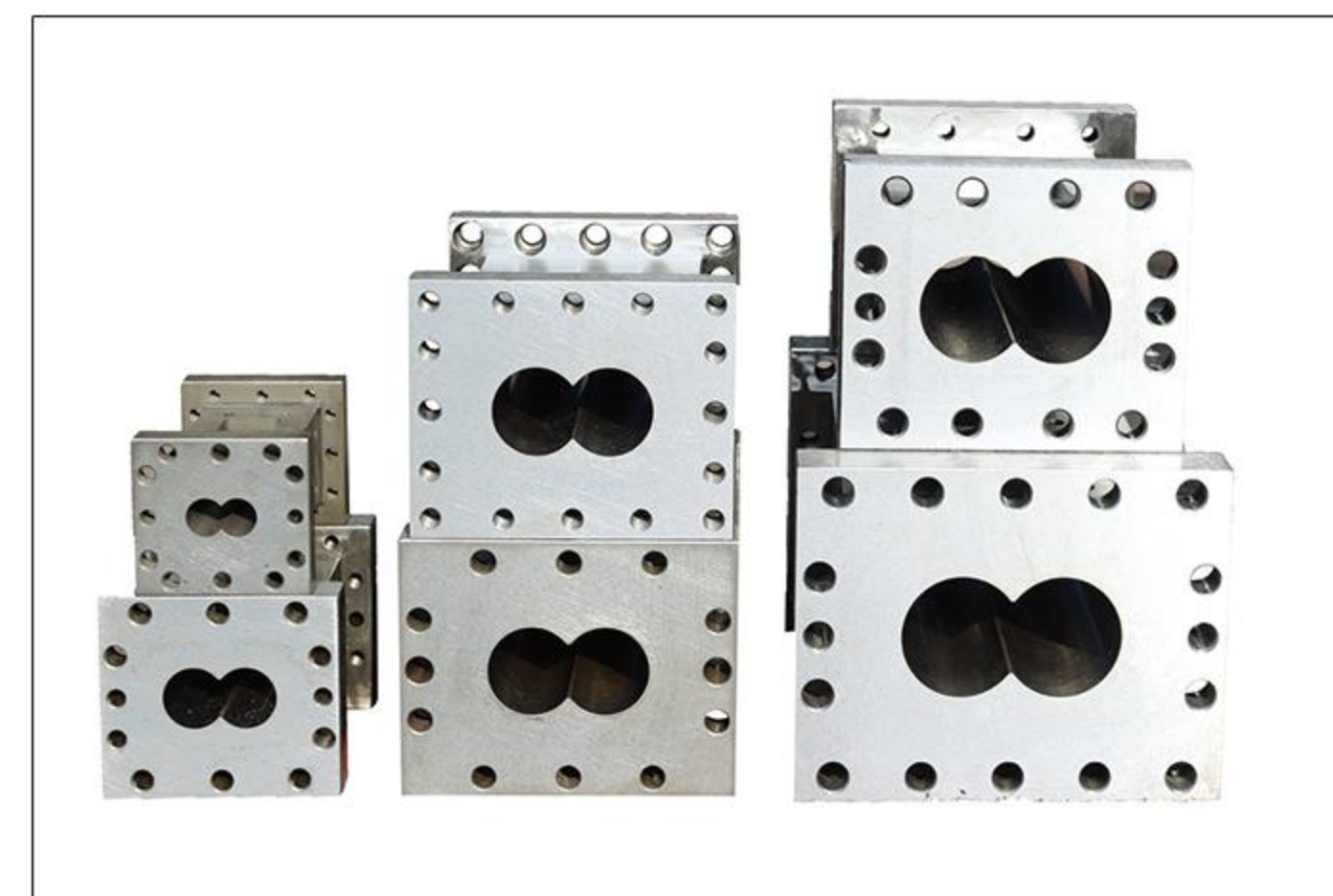
TPV、TPR、TPU、TPE等各种弹性体; PP、PE、ABS、PET、PA、PS各种改性料、微粒。

■ Applications

All thermoplastic elastomers such as TPV, TPR, TPU, TPE etc; All modifications and particles such as PP, PE, ABS, PET, PA, PS.



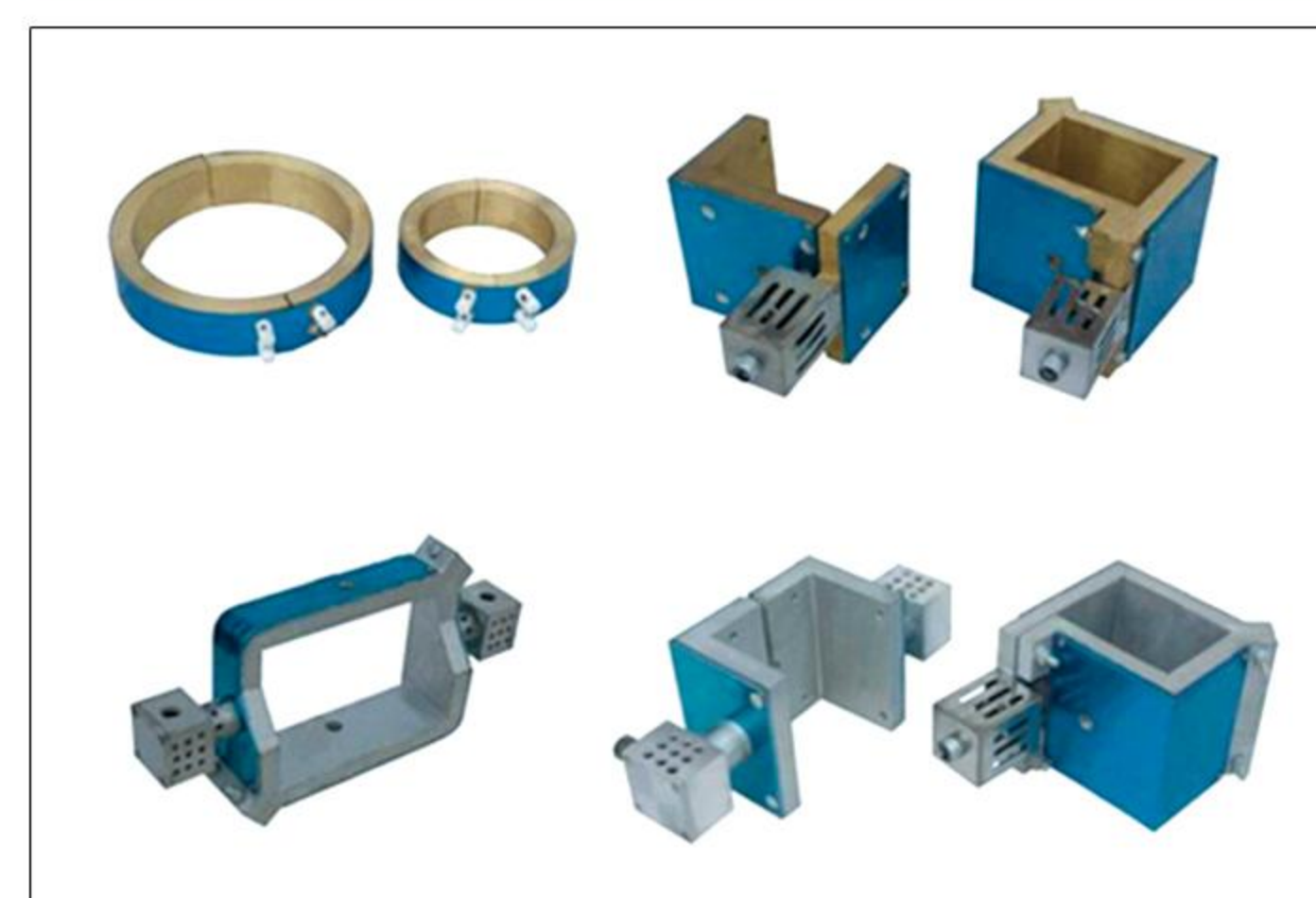
螺杆元件
Screw elements



筒体
Barrel



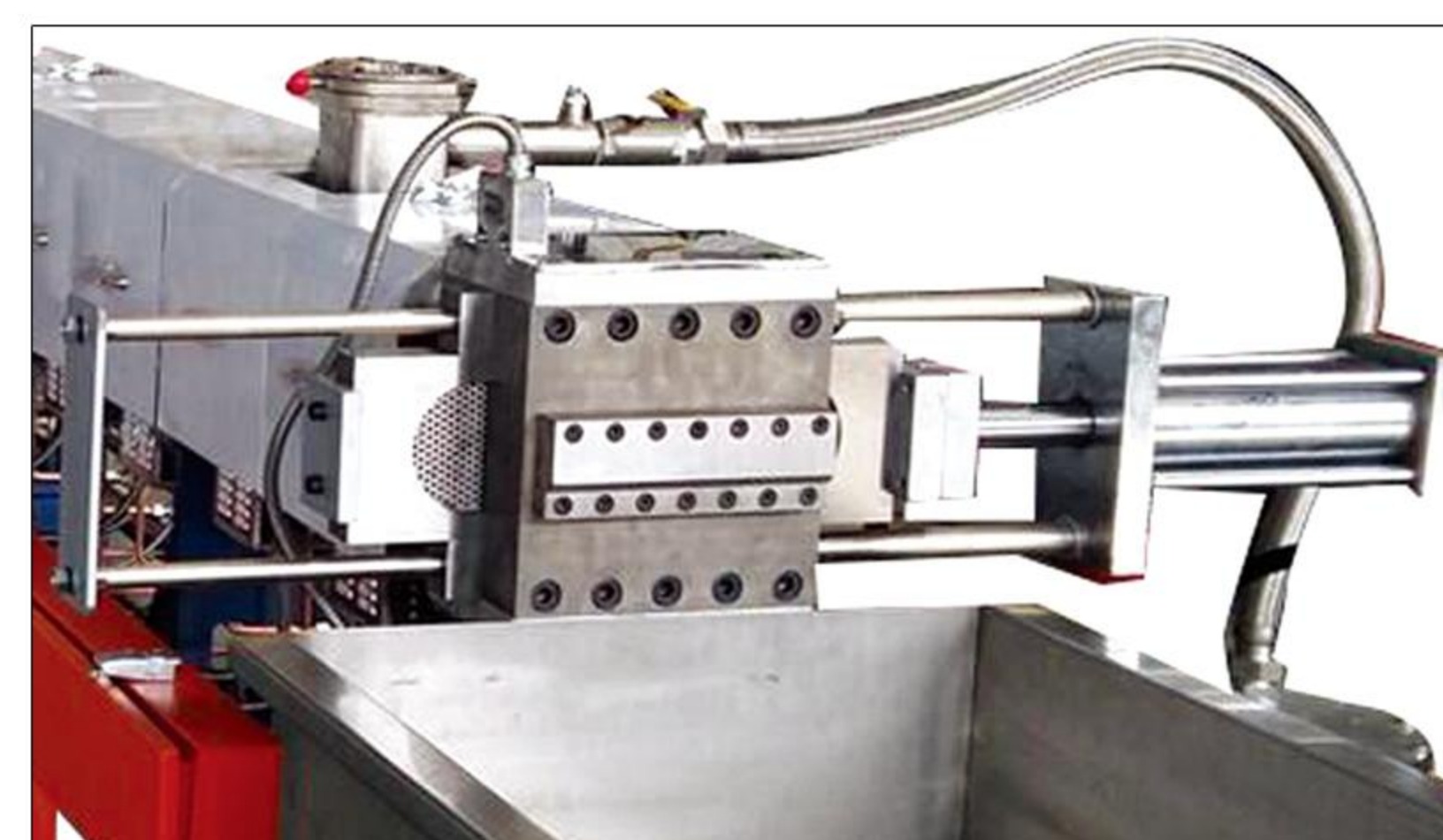
红外加热器
Infrared heater



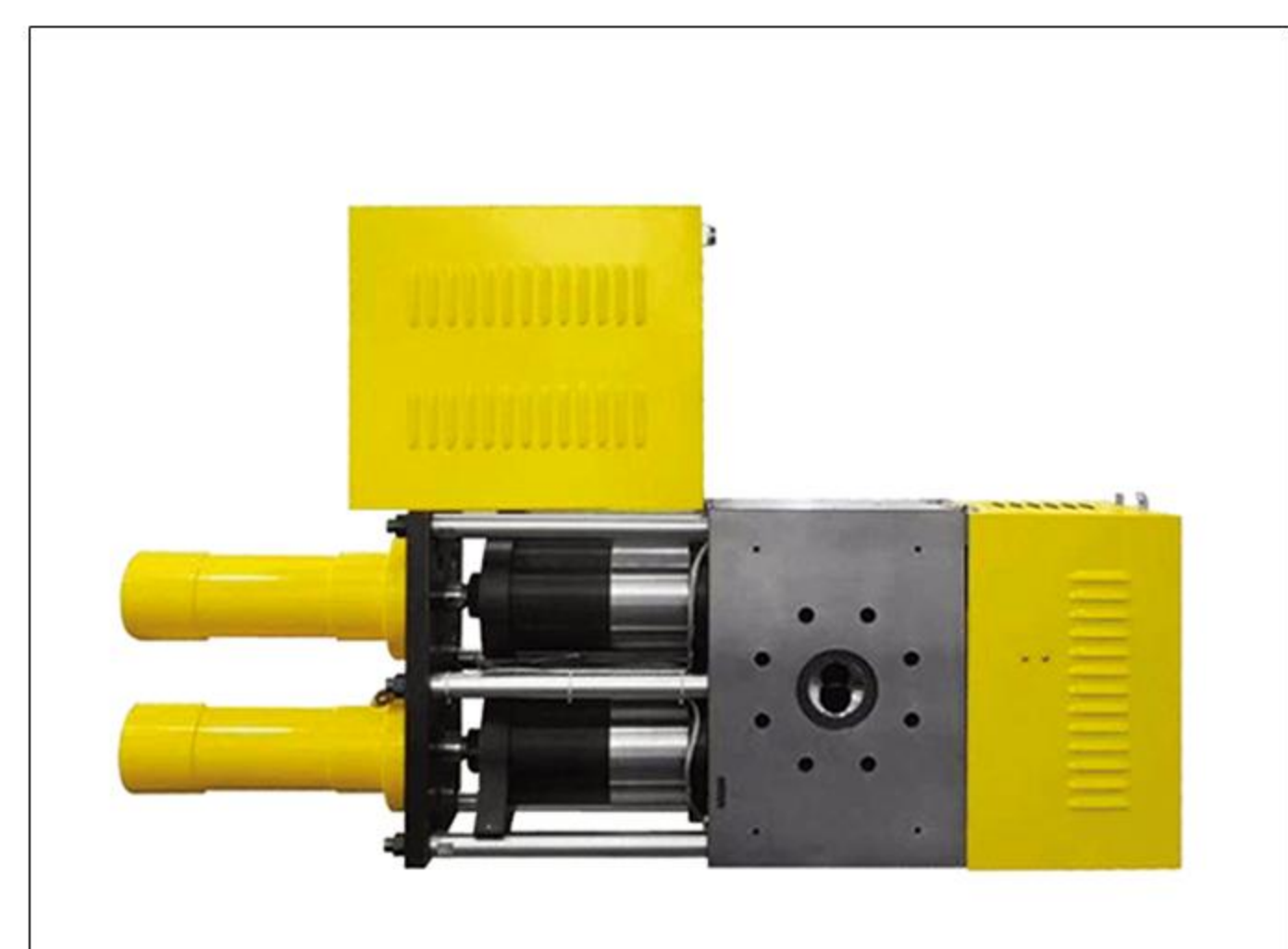
各类加热器
Various heaters



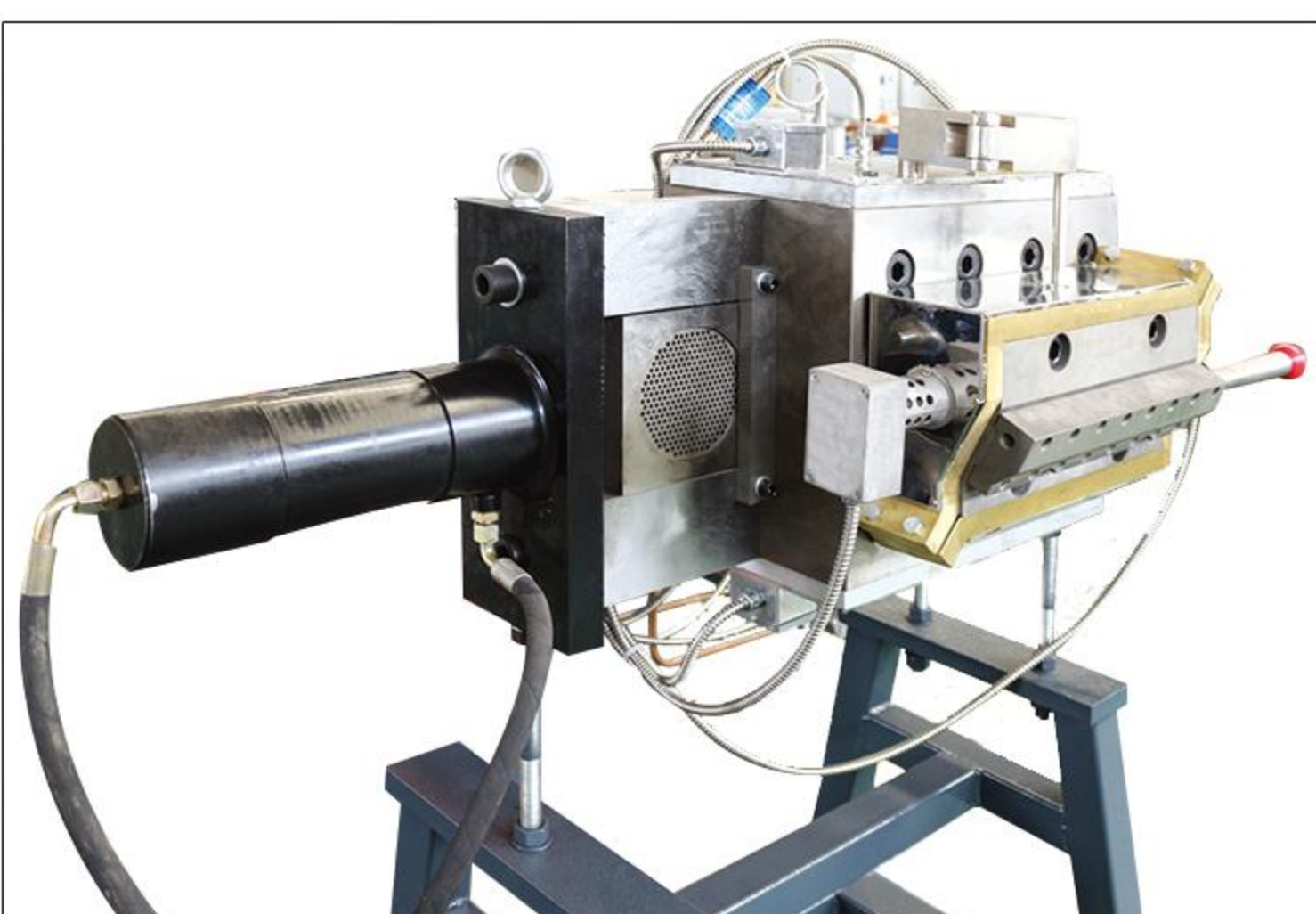
齿轮箱
Gearbox



常规加大换网
Normal enlarged screen changer



双柱双工位液压换网过滤器
Double column double working station hydraulic screen changer



单板四工位液压换网过滤器 (循环式)
Single plate hydraulic screen changer with four working station



强制喂料机
Forced feeder



侧向辅助喂料机
Side auxiliary feeder



单螺杆喂料机
Single screw feeder



双螺杆喂料机
Twin screw feeder



双阶侧向喂料机
Two-stage side feeder



锥双喂料机
Conical Twin-screw feeder



吹干机
Dryer



打水吹干机
Water dryer



高性能吸干机
High performance suction dryer



悬臂式切粒机
Cantilever type palletizer



龙门式切粒机
Gantry type pelletizer



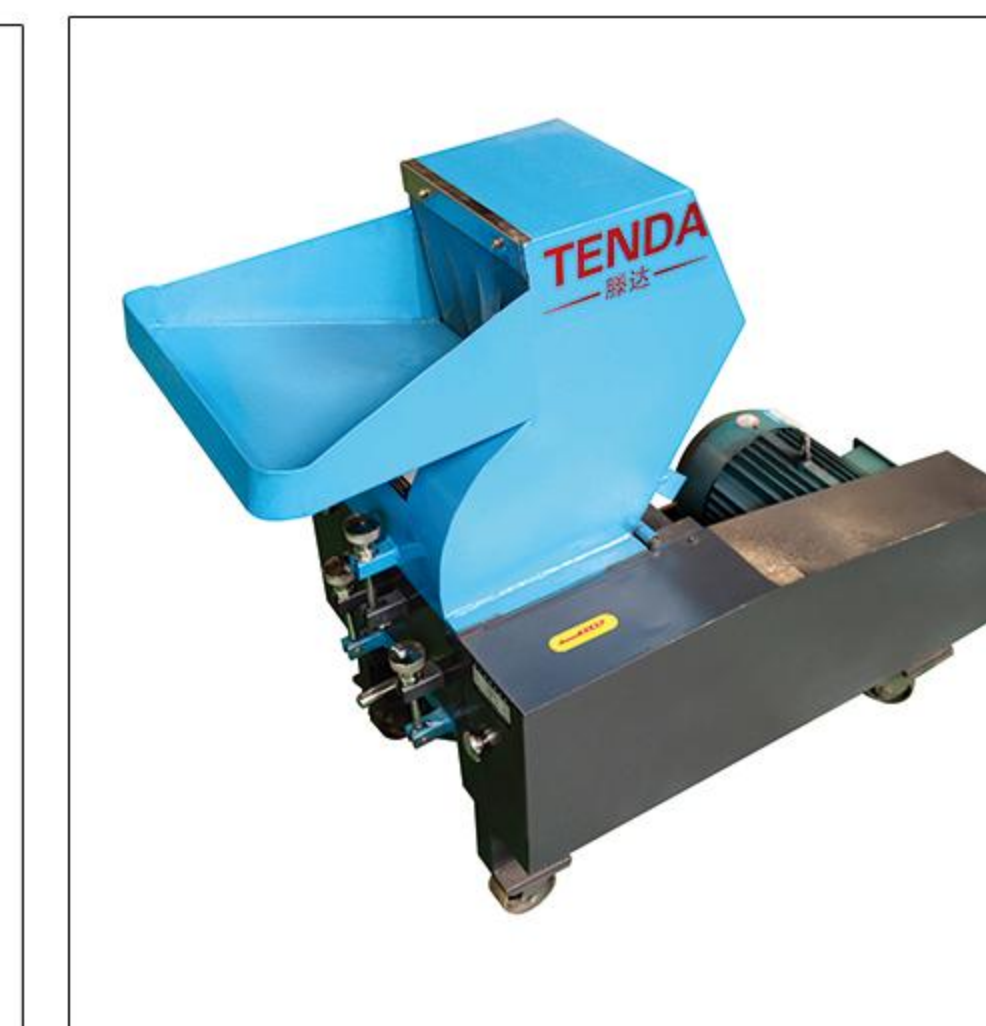
静音式切粒机
Mute pelletizer



螺旋上料机
Screw loader



皮带上料机
Belt loader



破碎机
Crusher



振动筛
Vibration sieve



高混机
High-speed mixer



立式混色机
Vertical color mixer



振动筛、料仓一体化
Vibrating sieve and silo integrated



均化料仓
Homogenization silo



现代化的数控加工中心
Modern CNC Machining Centre



拥有完善的现代化生产制造和加工检测设备，包括卧式和立式加工中心、数控钻铣床、大型程控平面磨床、CNC 螺纹套加工、捏合块加工设备等一系列配套生产设备和众多检测仪器。

We have perfect modern manufacturing and processing testing equipment, including a series of supporting production equipment and many other testing instruments such as horizontal and vertical machining centre, CNC drilling and milling machine, large program controlled surface grinder, CNC screw elements machining and kneading elements machining.



■ CNC加工齿轮箱体 CNC Machining of Gearbox body

全面利用CNC加工中心的优势，融合行业领先的设计技术经验，率先实现了常规与高扭矩硬齿面传动箱制造精度和质量的跨越提升，整体可靠性与质量稳定性处于国内领先水平。



By fully utilizing the advantages of CNC machining center and integrating the leading design technology experience of the industry, it has taken the lead in realizing the leap improvement of manufacturing accuracy and quality of normal and high torque hard tooth surface transmission box. The overall performance of reliability and quality stability are at the leading level in China.

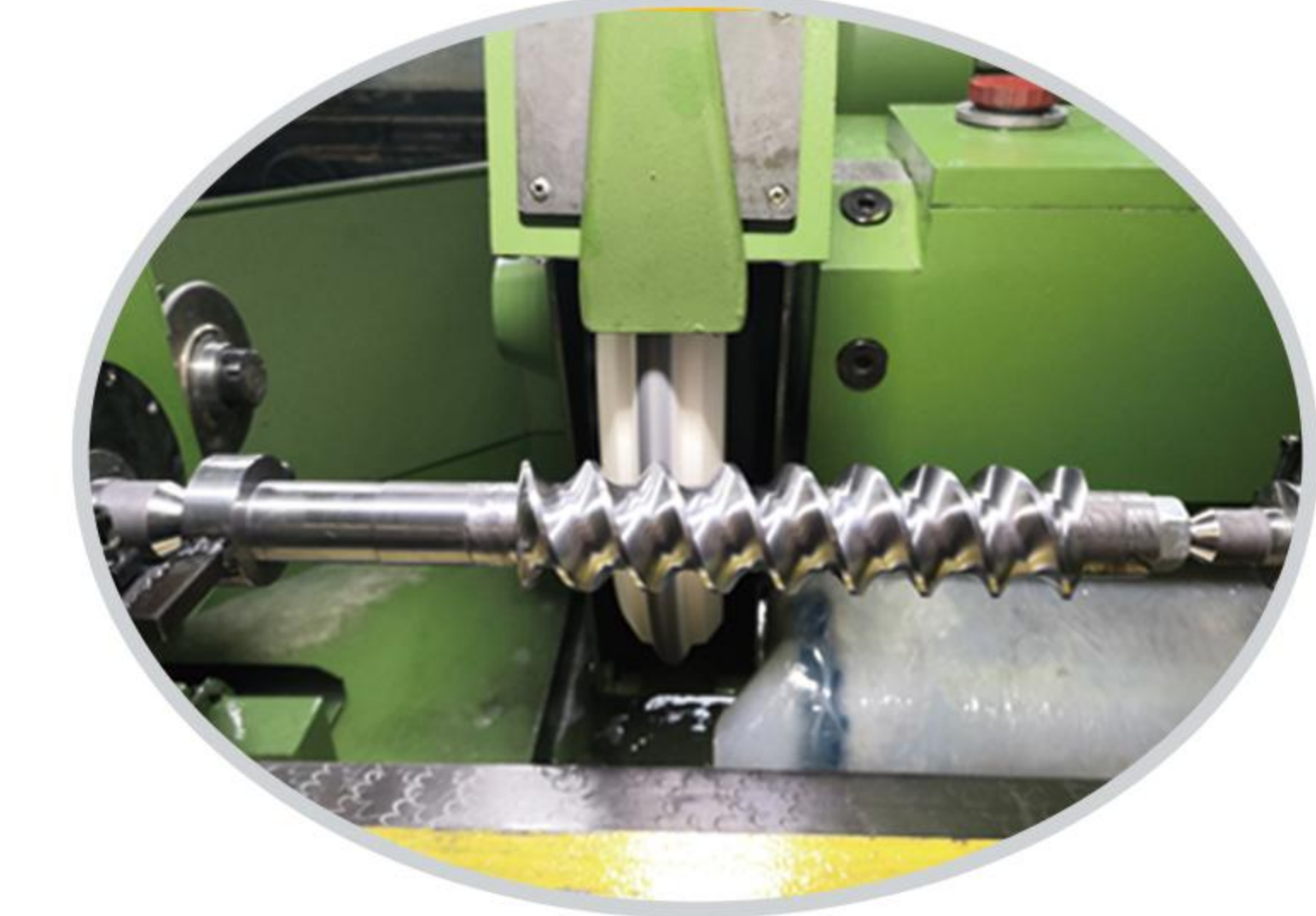
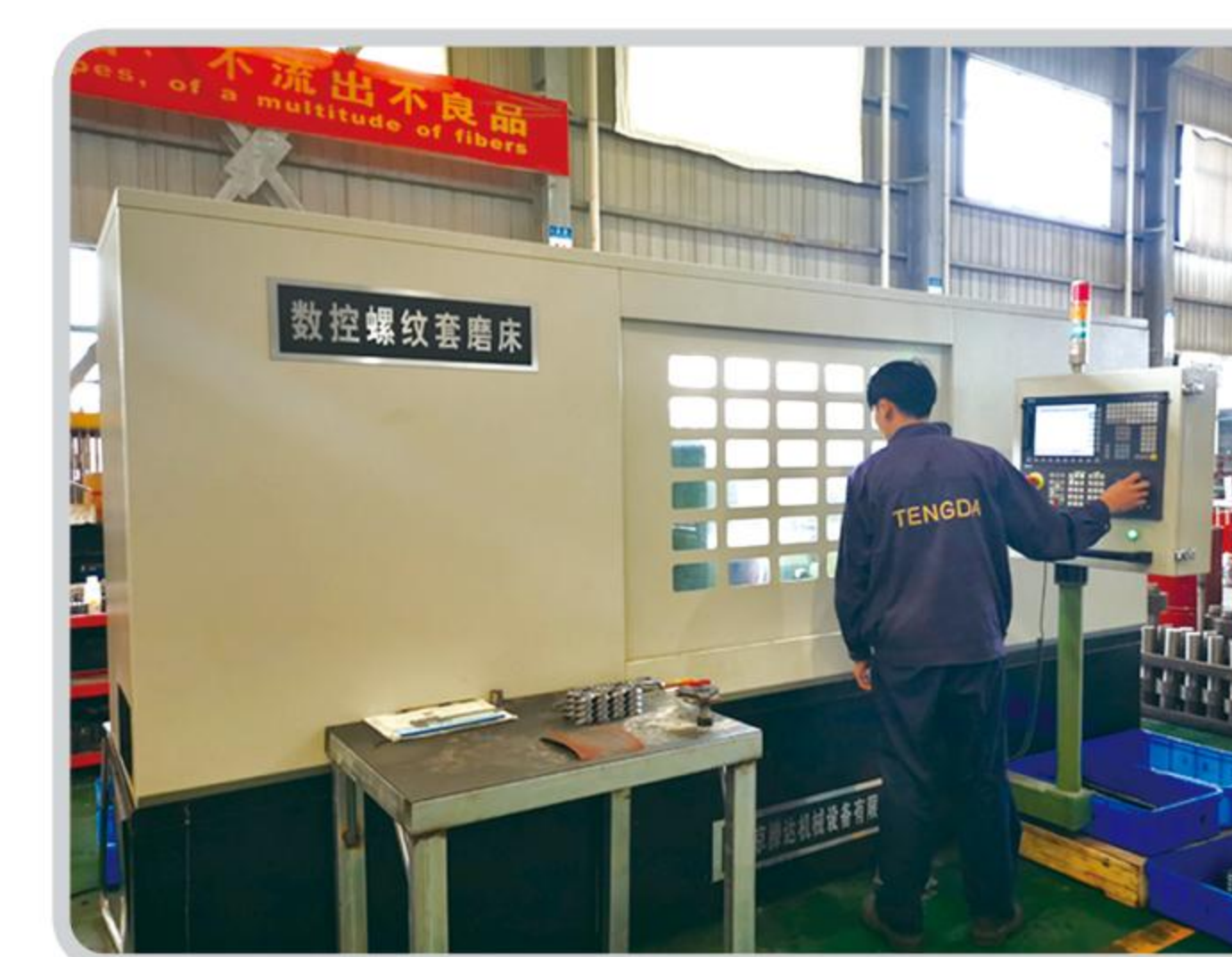
■ CNC捏合块加工 CNC Machining of Kneading Elements



■ CNC螺纹元件加工 CNC Machining of Screw Element



■ CNC螺纹元件螺纹磨 CNC Machining of Screw Elements Thread Grinding



■ CNC筒体加工 CNC Barrel Machining



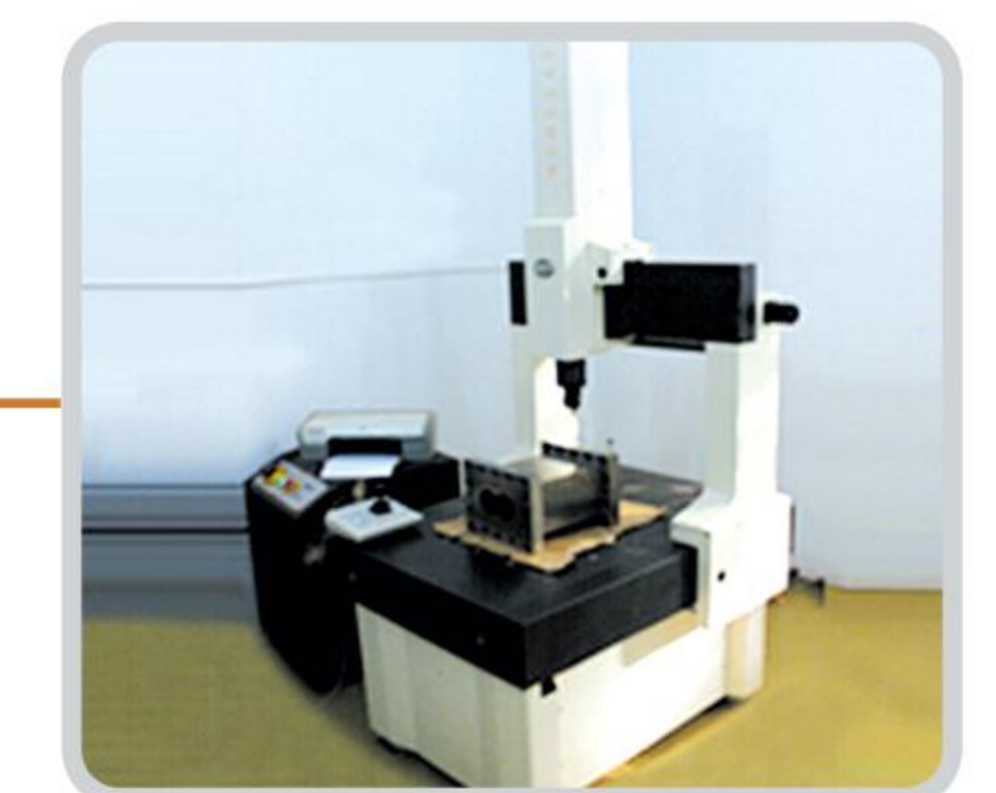
■ 检测设备 Testing Machine



同心测量仪
Concentric measuring instrument



硬度计
Hardness tester



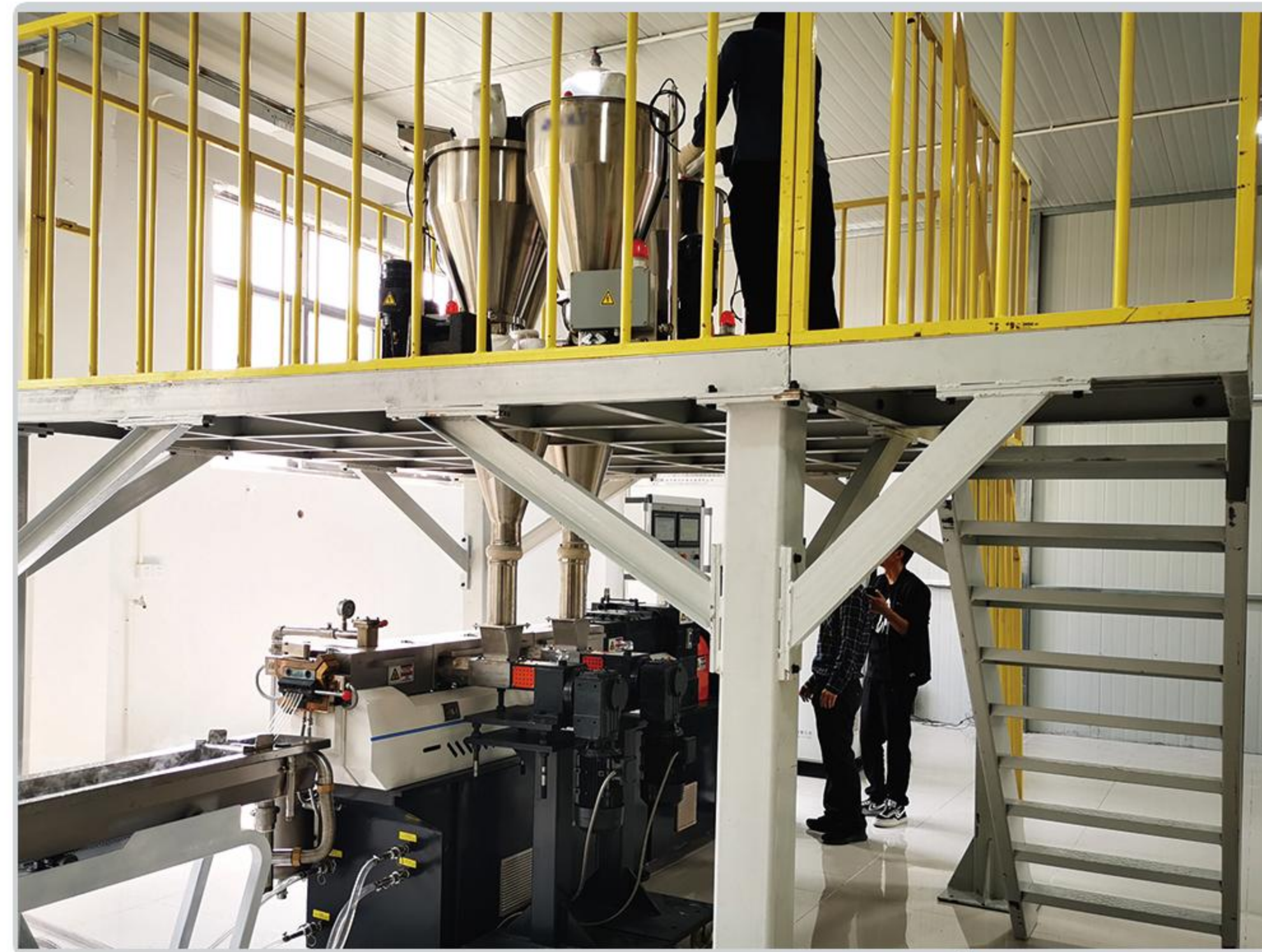
三坐标测量仪
Three-coordinates measuring machine



进口关节臂三坐标测量仪
Imported articulated arm coordinate measuring machine



■ CNC螺纹元件外圆磨
CNC Machining of Screw Elements
External Cylindrical Grinder



加工高品质色母粒TDH-35D机组
TDH-35D unit for producing high quality masterbatch



用于PE接枝料生产的TDH-75D机组
TDH-75D unit for producing grafted PE



用于生产PA料的TDH-52D机组
PA Material—TDH-52D Machine Unit



自动配料系统（俄罗斯客户现场）
Automatic ingredient system (Russian customer)



用于高填充料生产的TDH-75D机组
TDH-75D unit for producing High filler masterbatch

自动包装秤系统
Automatic packing scale system



失重式自动计量加料系统挤出生产线
Loss-in-weight feeder Automatic Metering Feeding System Extruding Unit



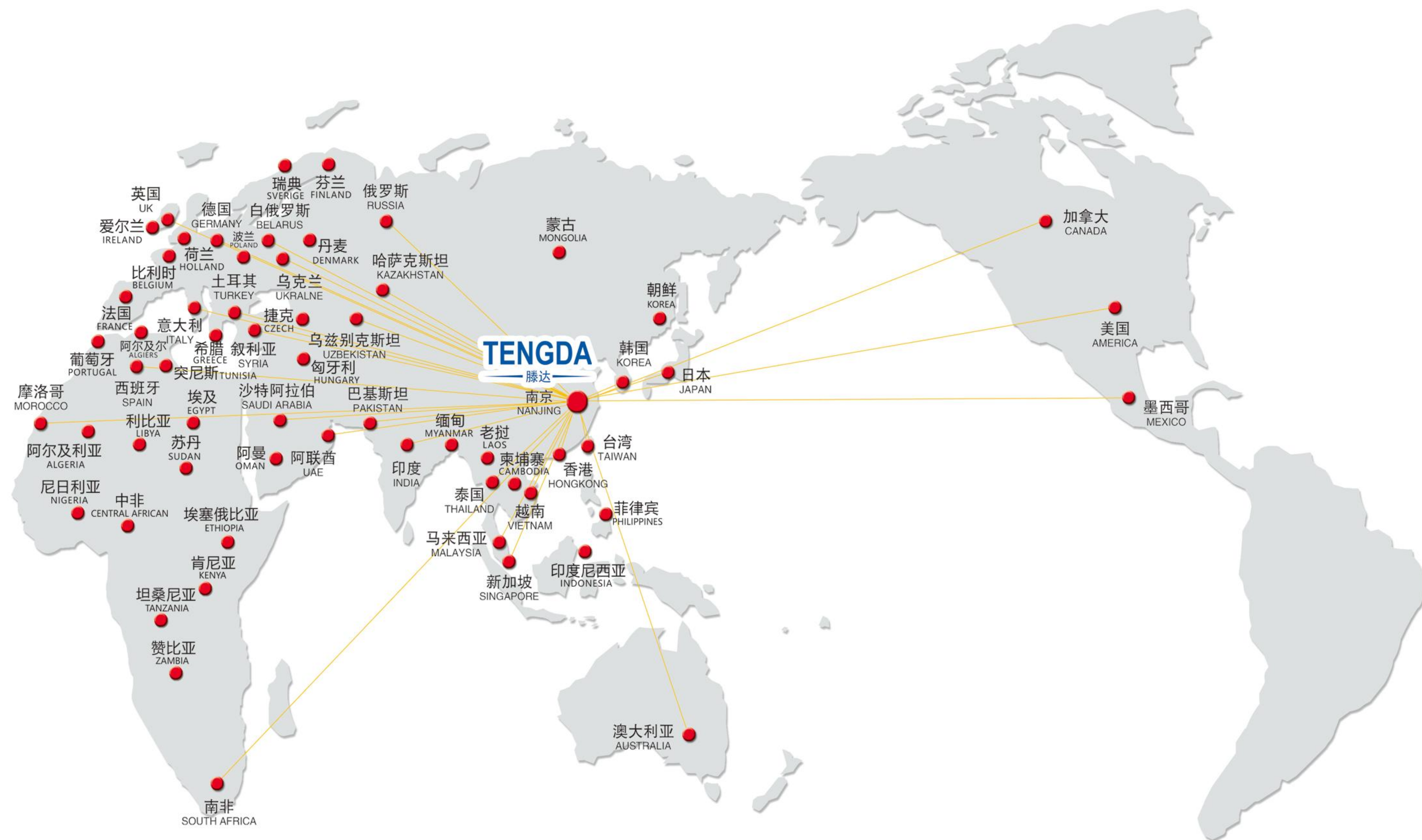
密炼机+锥双+双阶挤出生产线
Internal mixer + conical twin-screw feeder + two-stage extruding unit



用于生产PLA/PBAT降解料颗粒TSH65机组
(印度客户)
TSH-65 unit for the production of PLA/PBAT biodegradable granules (Indian customer)

用于生产PE薄膜造粒的SE180机组，
产量1吨/H
SE180 Pelletizing Unit for recycling PE film.
Capacity: 1000kg/h





滕达公司为您提供的不仅是性能优异的配混挤出装置，还有产品工艺与装备技术融为一体的集成方案和工程化、产业化的综合经验，以及理想的整体解决方案。

■ 售前服务

- ◆ 详尽的介绍产品的优势，使用范围；
- ◆ 为您策划经济而实用的设备配置方案；
- ◆ 提供新工艺、新配方的实验条件；

■ 售中服务

- ◆ 提供项目所需的工程条件、安装布置规划图等相关资料；
- ◆ 提供针对不同生产工艺需要的不同螺杆构成和筒体的排列形式；
- ◆ 及时与您沟通项目的进度情况；
- ◆ 严格执行技术的附件条款，确保产品按期保质交付；

■ 售后服务

- ◆ 提供现场安装指导、调试、人员培训；
- ◆ 建立详尽的用户档案，为客户终身跟踪服务；
- ◆ 长期保证充足的备件供应，长期提供免费技术咨询服务；
- ◆ 客户回访制度化，及时反馈设备使用情况；
- ◆ 设备一年内免费三包。

■ Pre-sale Services:

- ◆ Detailed introduction of product advantages and application range;
- ◆ Economical and practical configuration of devices;
- ◆ Experimental conditions for new technology and formula;

■ Sale services:

- ◆ Plant conditions, installation and layout drawings required for the project.
- ◆ Different screw combination and barrel according to your different requirements;
- ◆ Timely communication of the rate of process;
- ◆ Strict execution to technical terms to ensure that high-quality products can be delivered on time.

■ After-sales Services:

- ◆ Site installation, debugging of machines and training of personnel;
- ◆ Detailed records of customer profiles to provide post-sales service lifelong;
- ◆ Assurance of sufficient spare parts for a long term; Free technical consultancy service for a long term;
- ◆ Institutionalized customer return visits to get feedback on the usage of machine;
- ◆ Free three guarantees for one year.

合 作 客 户 Partner

