



专业 质为立，诚为源！



我们坚信

信赖源于品质，
专业承载未来！

We firmly believe that trust bases on quality,
profession promises the future.



南京凯荣
NANJING KAIRONG
南京海思
NANJING HAI SI

Nanjing Kairong Machinery Technology Co.,Ltd.
Nanjing Haisi Extrusion Equipment Co.,Ltd.



总经理：丁凯

南京凯荣机电科技有限公司是南京海思挤出设备有限公司的全资子公司，南京凯荣专营于对外贸易，南京海思专注于设备制造、维护与工艺开发。

南京海思挤出设备有限公司是由一批多年来在挤出机行业研发、生产、销售、服务的团队组建的高新技术公司。目前主要致力于高效单、双螺杆混炼挤出机为主的成套设备制造及相关工艺，直至交钥匙工程。根据物料体系和工艺过程，实现配混装备结构设计优化，融机电，工艺一体化，是我们多年经验积累与综合技术的集中表现。

南京海思挤出设备有限公司的产品系列涵盖同向双螺杆配混机组、密炼混合、单螺杆挤出机组及配套辅助设备等等。

今天，随着科技的巨大发展，塑料和橡胶工业对于我们的生活越来越重要，保障我们的生活，提高我们的生活质量和改善环境。几乎每天，通过研究、发展和改进，改良材料的应用范围变得更广阔，提供了越来越多革新的终端产品。在此背景下，塑料和橡胶工业需要具有丰富经验和进步的伙伴，海思正是这样一个提供高品质设备的伙伴。

相信自己，选择海思是您明智的决择；相信我们，优质服务是永远的承诺！

Nanjing Kairong Machinery Technology Co., Ltd. is a branch of Nanjing Haisi Extrusion Equipment Co., Ltd. Kairong concentrate on foreign trade, while Haisi focus on equipment manufacturing, maintenance and tech. process development.

Nanjing Haisi Extrusion Equipment Co., Ltd is a high-tech manufacturing and trading company in China. "Family" is our benchmark. We work efficiently and help each other whenever anyone is in need due to the same target, that is, to make best quality of extruders in China.

Our company is a professional manufacturer of granulating extruders for coloring/dyeing, filling masterbatch production, as well as plastic modification and compounding, plastic recycling. Innovative machines are built as per the concept of durability, high efficiency and economical power consumption. And we also have substantial experience in R&D, technique and after sales service. And for some materials, we supply turn-key project.

Company is in strict accordance with CE and ISO9001 quality certification system for production management. There are over 200 models of extruders and spare parts. Factory has CNC center, grinding machines, cutter, puncher, etc to meet customers' requirements on extruders and spare parts.

Our annual production capacity is 240 sets of plastic extruder in domestic countries and abroad! OEM service offered in granulating plastic extruder industry in consistence with specific requirement from both national and international customers.

Our machines are widely used in China mainland, and have been exported to 30 countries and places over the world. Surely you will also get professional machines and characteristic services here. Let's create more together!

产品范围

TSE 系列同向双螺杆挤出造粒机组

TSH 系列同向双螺杆挤出造粒机组

SP 系列双阶混炼挤出造粒机组

HMS 系列子母机造粒机组

各具特色的造粒系统



Products

TSE Series Co-rotating Twin Screw Extruders

TSH Series Co-rotating Twin Screw Extruders

SP Series Two-Stage Compounding Extruders

HMS Series Two Stage Single Screw Extruder

Various Granulating System



TSE-75B 无纺布专用机
TSE-75B special-purpose non-woven fabric machinery

- 欧式矩形筒体，优化布置逆流冷却流道，让D形区域温差更小。
- 创新设计的加热器紧固方式，确保高效传热和加热器高寿命。
- 根据物料及特定要求，筒体材质可采用标准氮化钢、耐腐蚀或耐磨蚀等特殊材质与处理方法。
- Euro - style rectangle barrel, reflux refrigeration channel is optimized and disposed, which makes temperature difference in D areas smaller.
- Innovated design of heater tightened style insures high efficiency of heat transfer and high longevity of heater.
- According to the material and special technics demands, the material of cylinder can use high quality nitrided steel, corrosion proof or antifriction with corresponding process.

- 切粒方式多元化：如水冷拉条切粒、风冷模面切粒、水环模面切粒、偏心水雾切粒、水下模面切粒等。
- Various modes of pelletizing, such as water - cooling strand, air - cooling pelletizing, water - ring pelletizing, under water pelletizing, etc.

- 螺杆元件采用精确的设计，通过精密加工，灵活的组合和互换性，实现完成各种传输与混炼、建压、挤出及自清洁过程，材料采用优质38CrMoALA或W6Mo5Cr4V2材质，经特殊热处理，具有高耐腐蚀性和耐磨性。
- The screw elements and kneading blocks are designed, by precise processed, agile combination, with interchangeability. Which can fulfill efficient self - cleaning, transmission, compounding, pressure-forming, etc. The screw is made of high tool steel 38 CrMoALA or W6Mo5Cr4V2 by special heat-treatment, which is possessed with high corrosion-resistant and high functions.

TSE-95A 塑铝板颗粒挤出机
TSE-95A aluminum-plastic composite extruder



- 采用积木式原理，机组的长径比，机筒及螺杆的组合形式，喂料方式，换网及切粒方式，电仪自控模式均可根据工艺流程的要求进行组合，实现了广泛性、通用性、专用性的统一。



TSE-95B

- The machines are designed by using the "toy bricks" principle, the screw configuration, barrel setup, L/D or mode of feeding and venting, screen changing, way of granulating, and the control mode can be optimally adjusted according to different materials properties and requirements in consideration of the versatility in each general applications.

喂料形式多元化：单螺杆、双螺杆、侧向喂料、液体加注系统等，以适应粉料、粒料、块料以及液体料的不同喂料。

Metering feeders are equipped with single screw, twin screw, hollow screw, forced-feeding, side-feeding, system etc. to meet different requirements of feeding, such as powder, pellet, lump and liquid material.

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新型齿轮传动系统：

- 新型平行三轴传动方案，减速与扭矩分配一体式，关键轴承进口。
- 计算机设计优化齿轮参数，强化设计安全余量。
- 传动部件选材讲究，超高强度合金渗碳钢，磨齿工艺，齿面强化处理，确保高扭矩、高精度、低噪音。
- 齿轮浸油润滑与喷淋润滑相结合的润滑方式。

New-style gear transmission system:

- New-style project of parallel three-axes driving makes the convey axis, convey
- chain, decelerate and torque get together, which keep it compact, and the key bearings are imported.
- The computer designs to optimize gear parameters and strengthen safe overmeasure.
- The selected material of drive components is dainty. Including super intention alloy cementiteing steel, cementiting and grinding
- technics, strengthening of tooth face. So they can ensure high torque, high precision and low noise.
- Soakage and spraying lubrication integrate smoothly.



侧向喂料系统
Side-feeder system

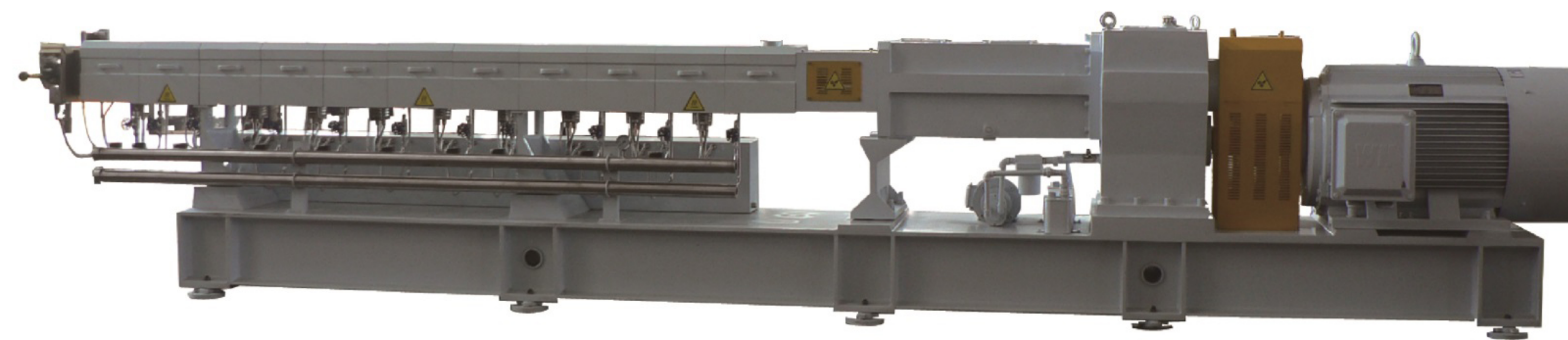
TSE-30A 实验室样机
TSE-30A Laboratory Extruder



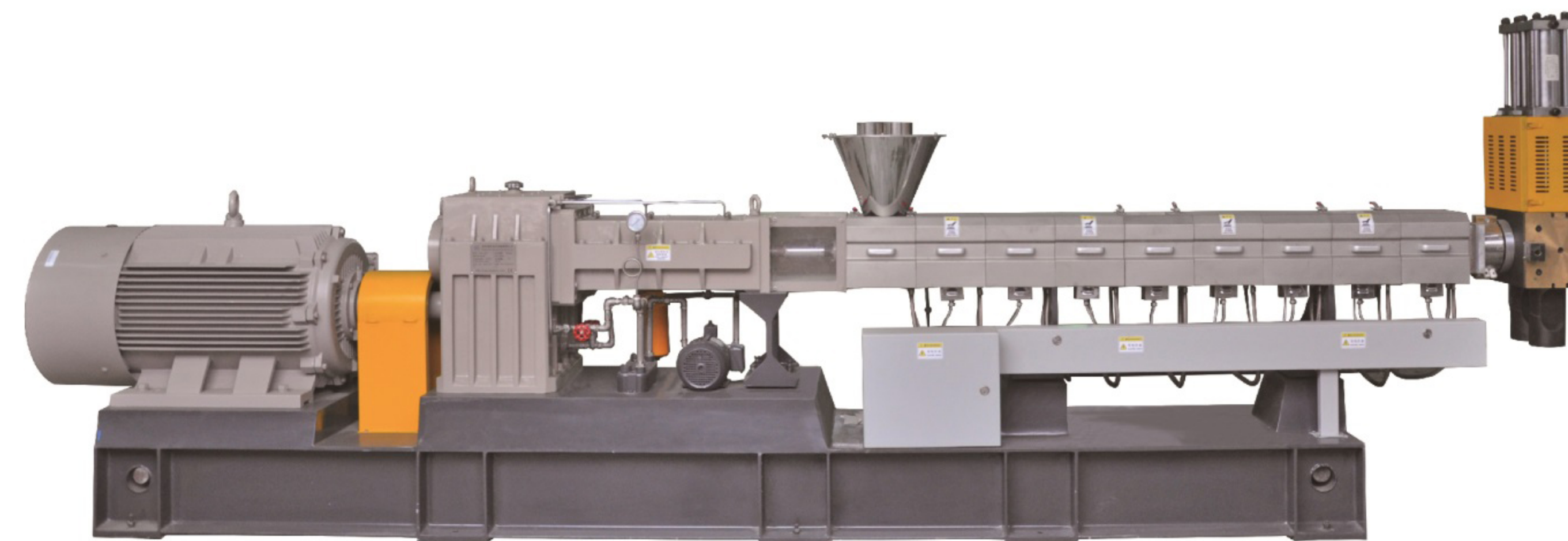
TSE-40B 色母专用机
TSE-40B Color Masterbatch Making Extruder



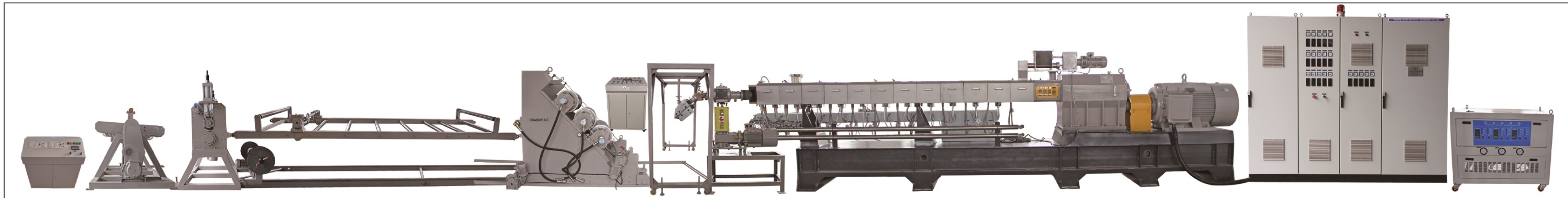
TSE-65 平行同向双螺杆挤出机
TSE-65 Co-rotating twin-screw Extruder



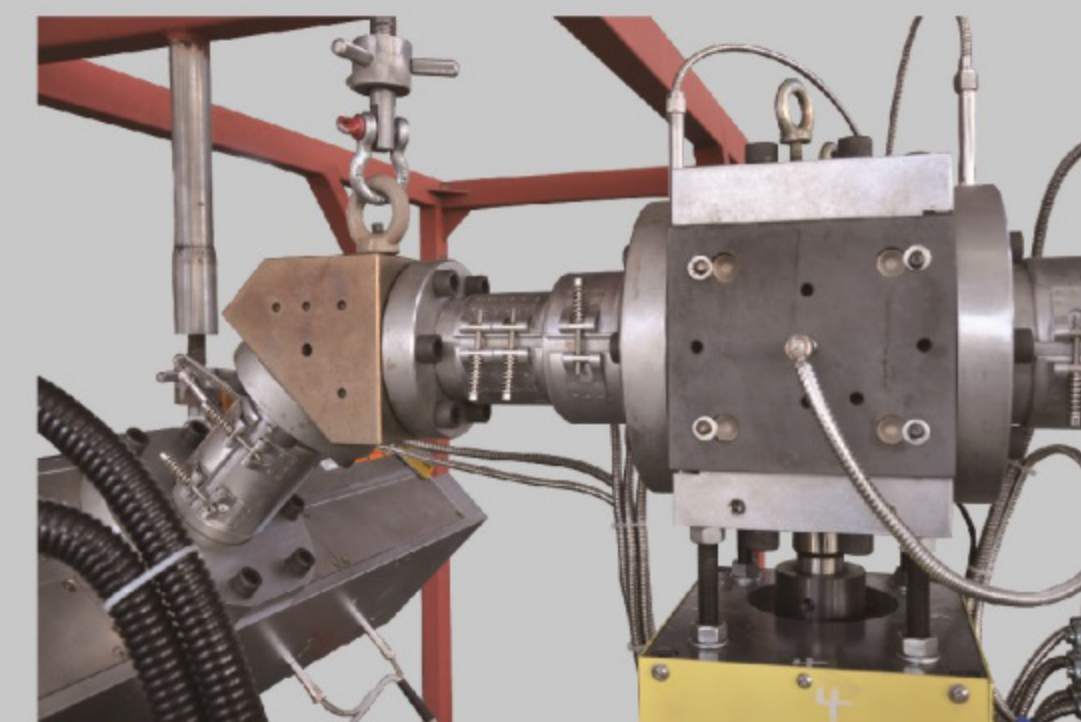
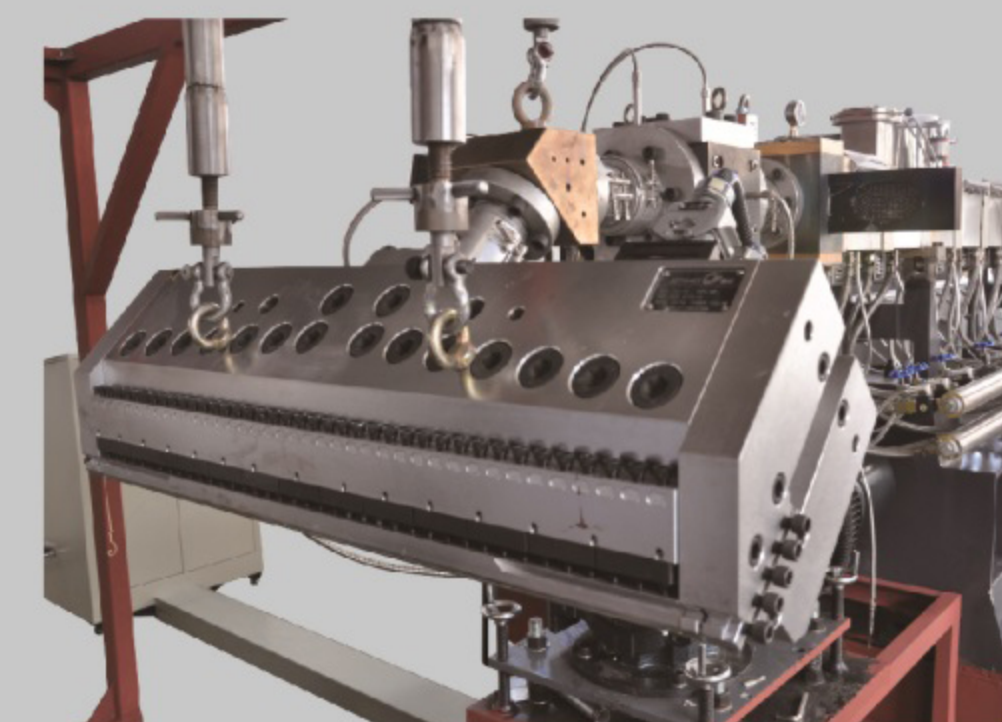
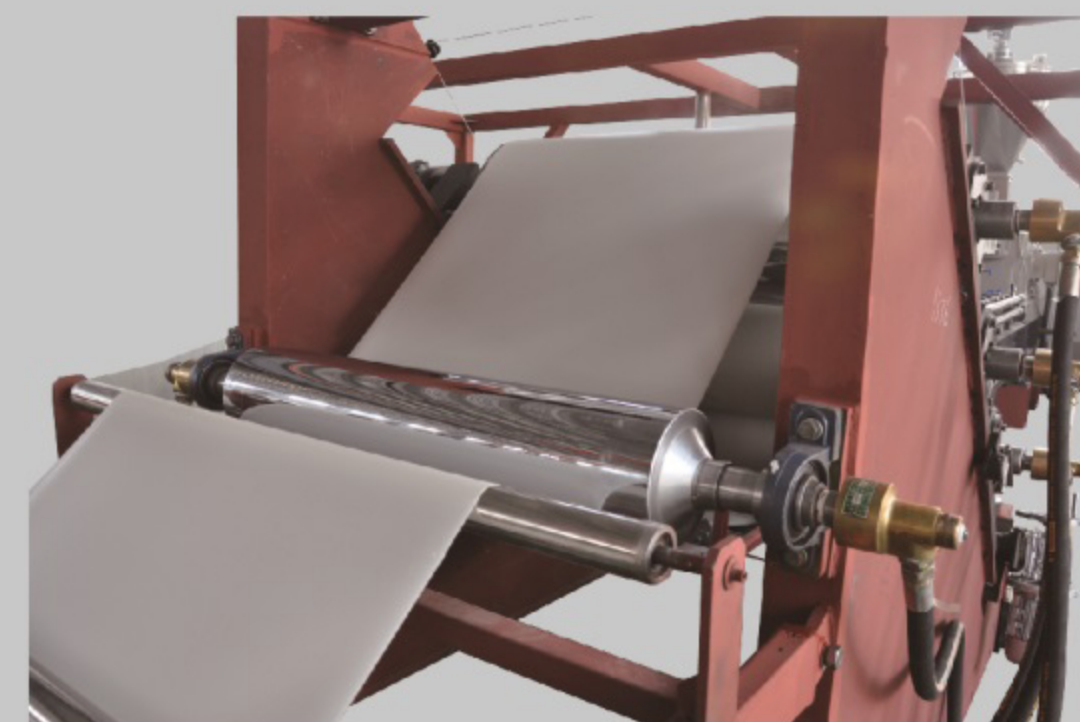
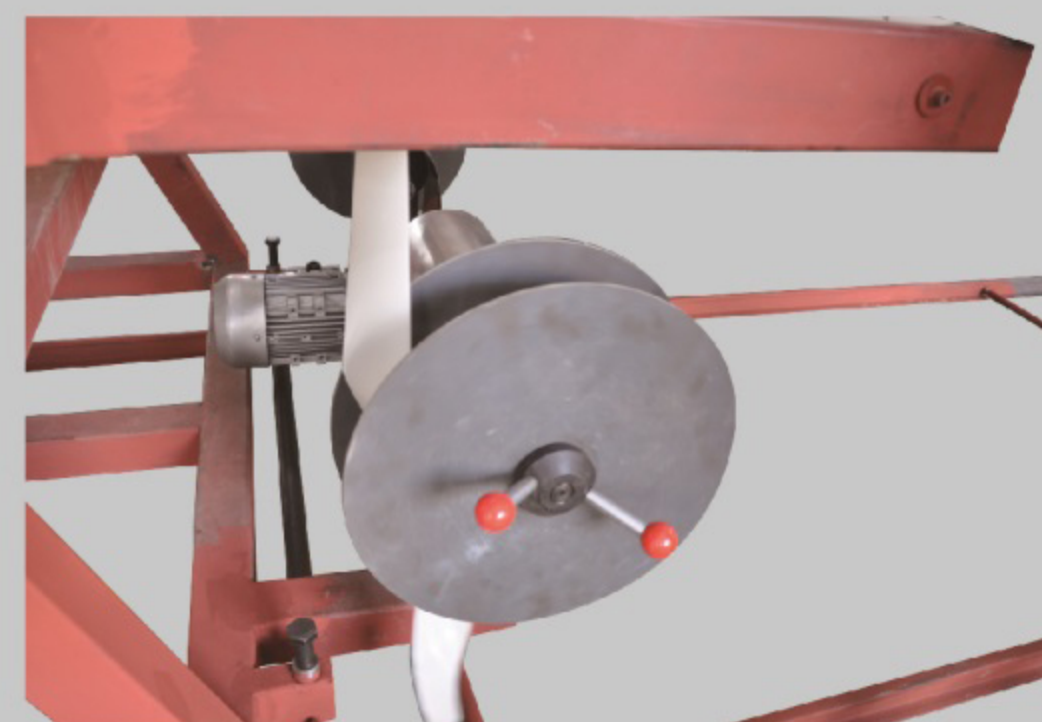
TSH-75B



TSH-65B



一步法片材机组
One-step sheeting extrusion with melt pump



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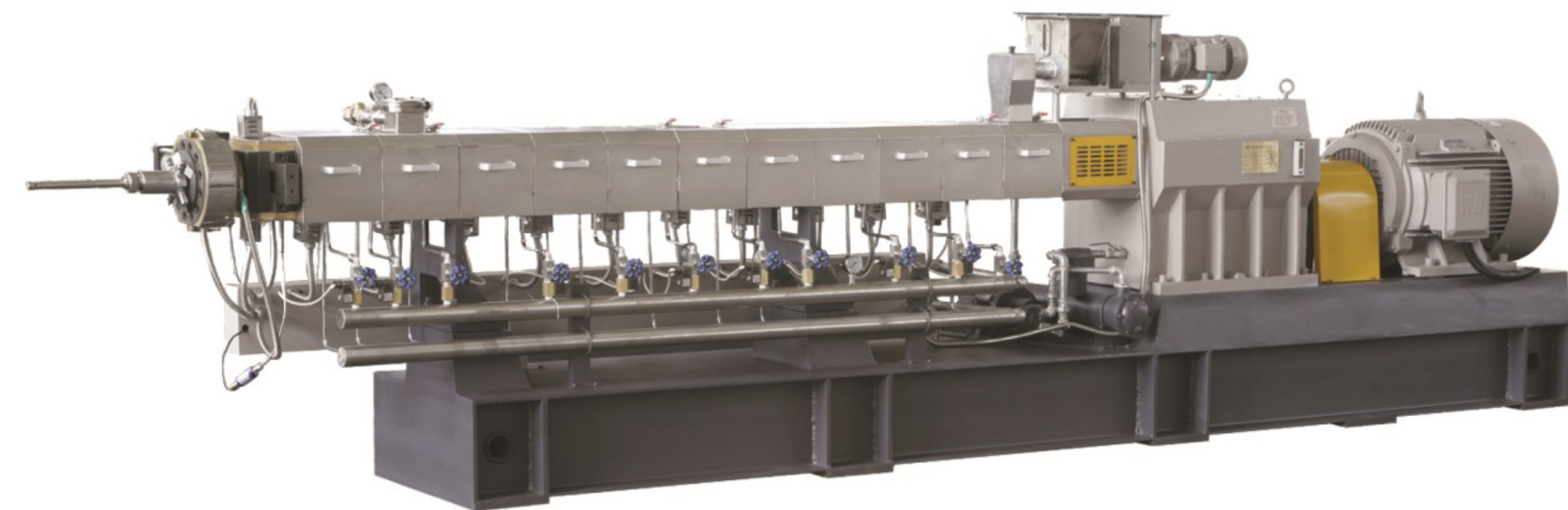
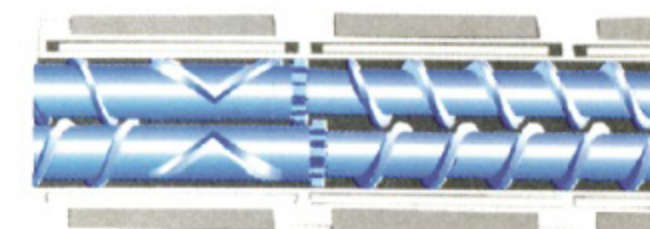
TSE-52B 工程料专用机
TSE-52B Engineering plastic compounding extruder



550kw直流电机
550KW DC Motor



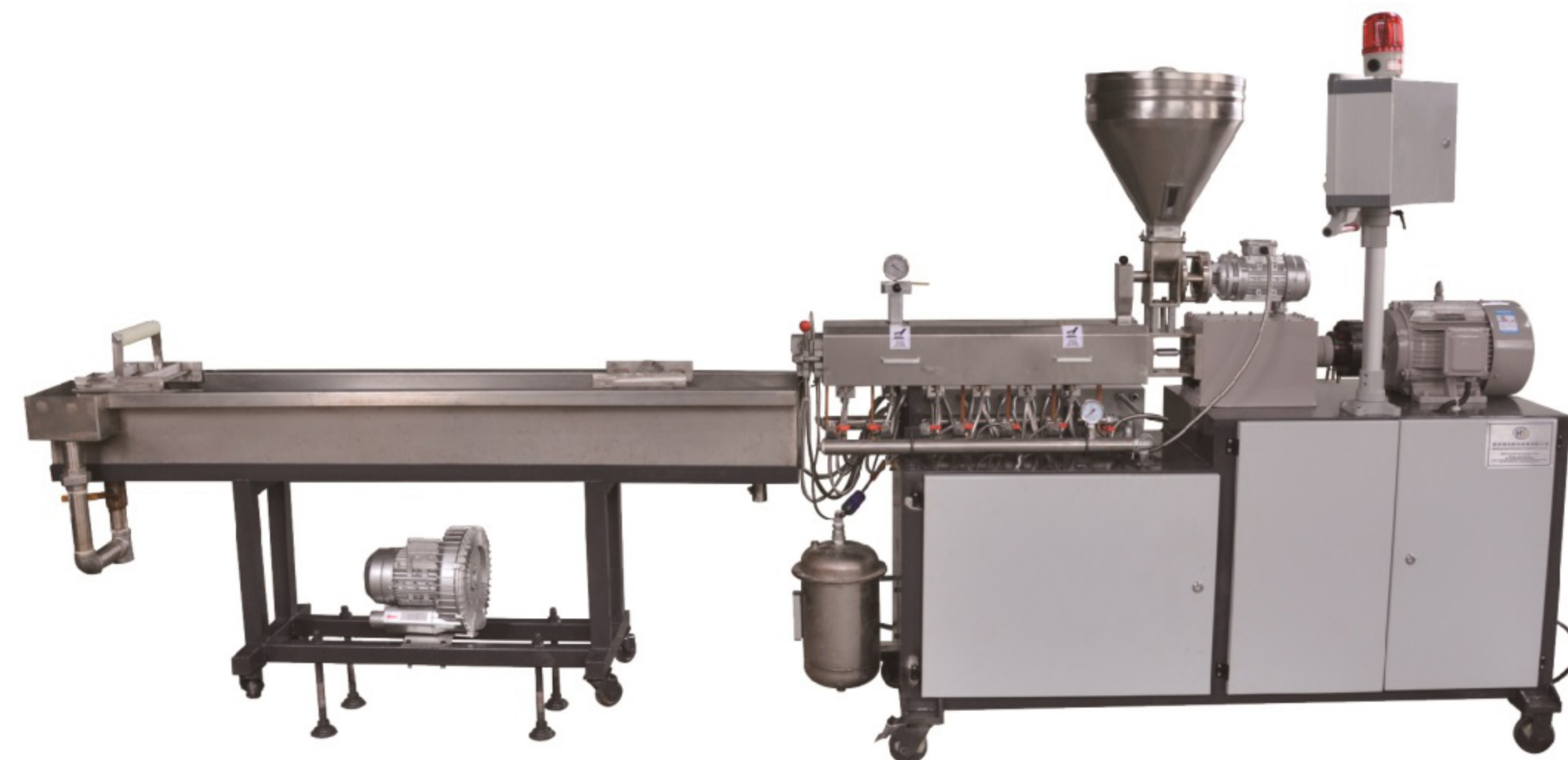
TSE-135



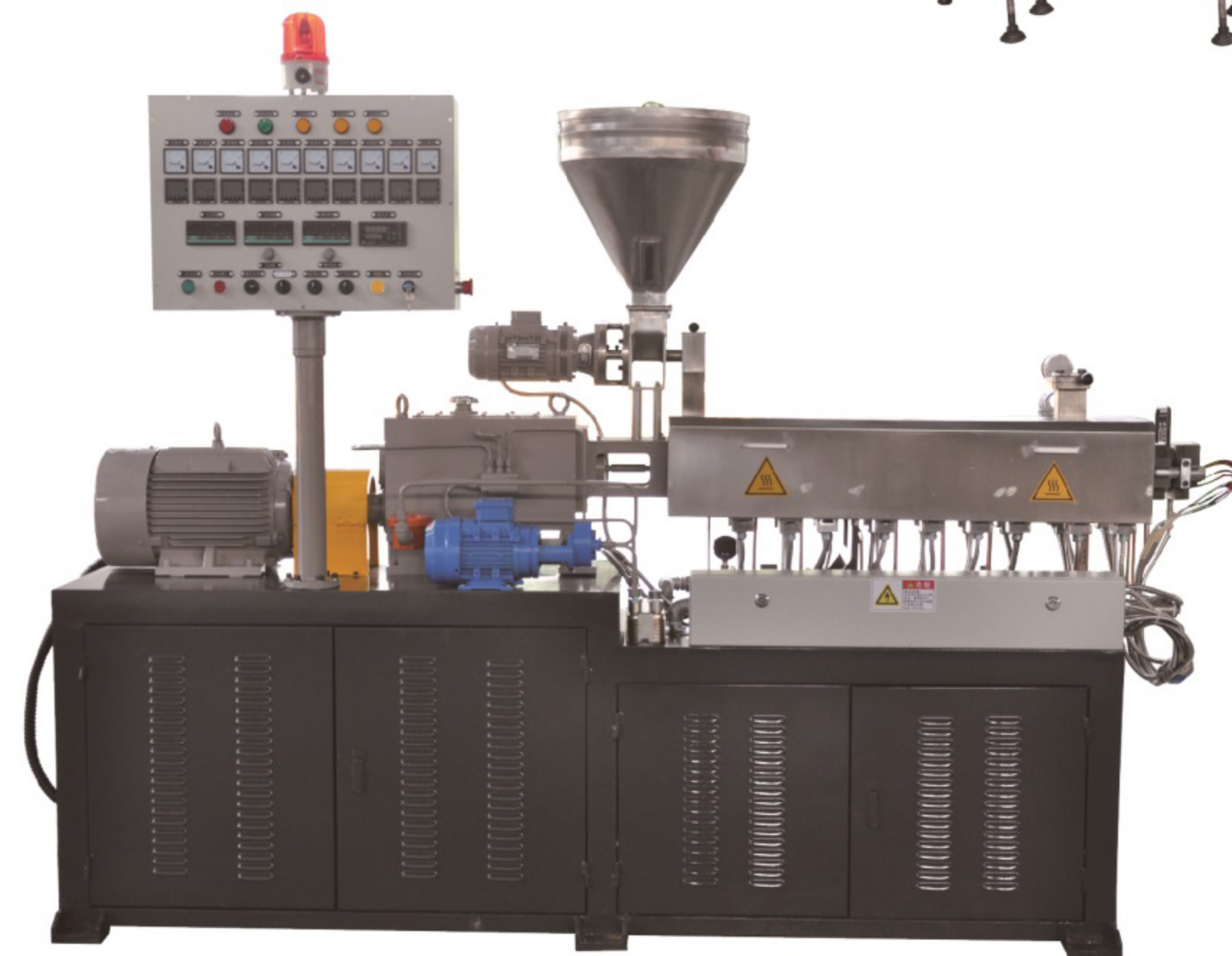
TSE-65 TPE



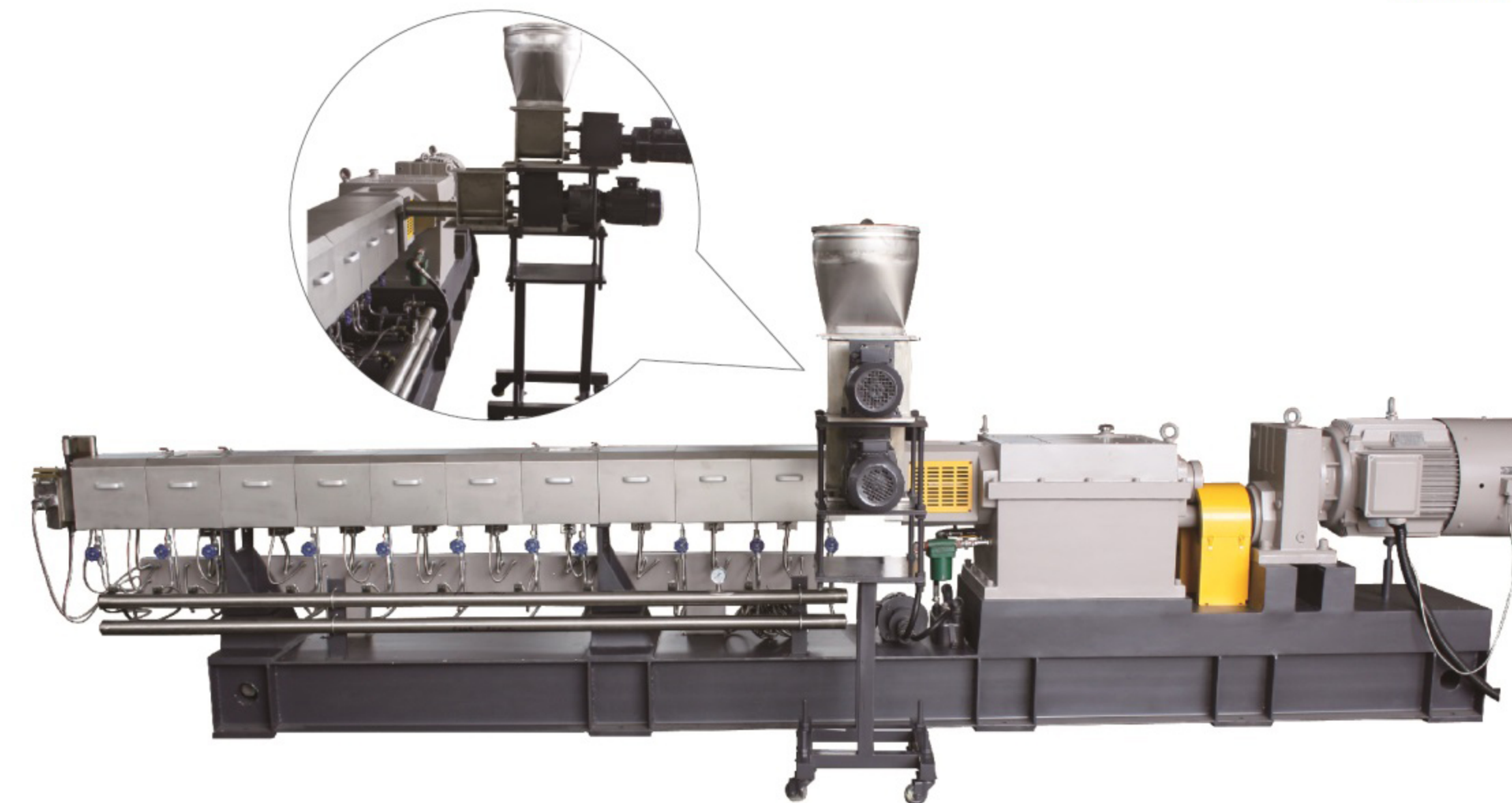
TSE-75C 节能型挤出机
TSE-75C energy-economizing extruder



TSH-20



TSH-25



TSE-65B 宠物食品专用机
TSE-65B Pet food making machine



TSE-75C 炼胶专用机
TSE-75C Silicagel special-purpose extruder line.

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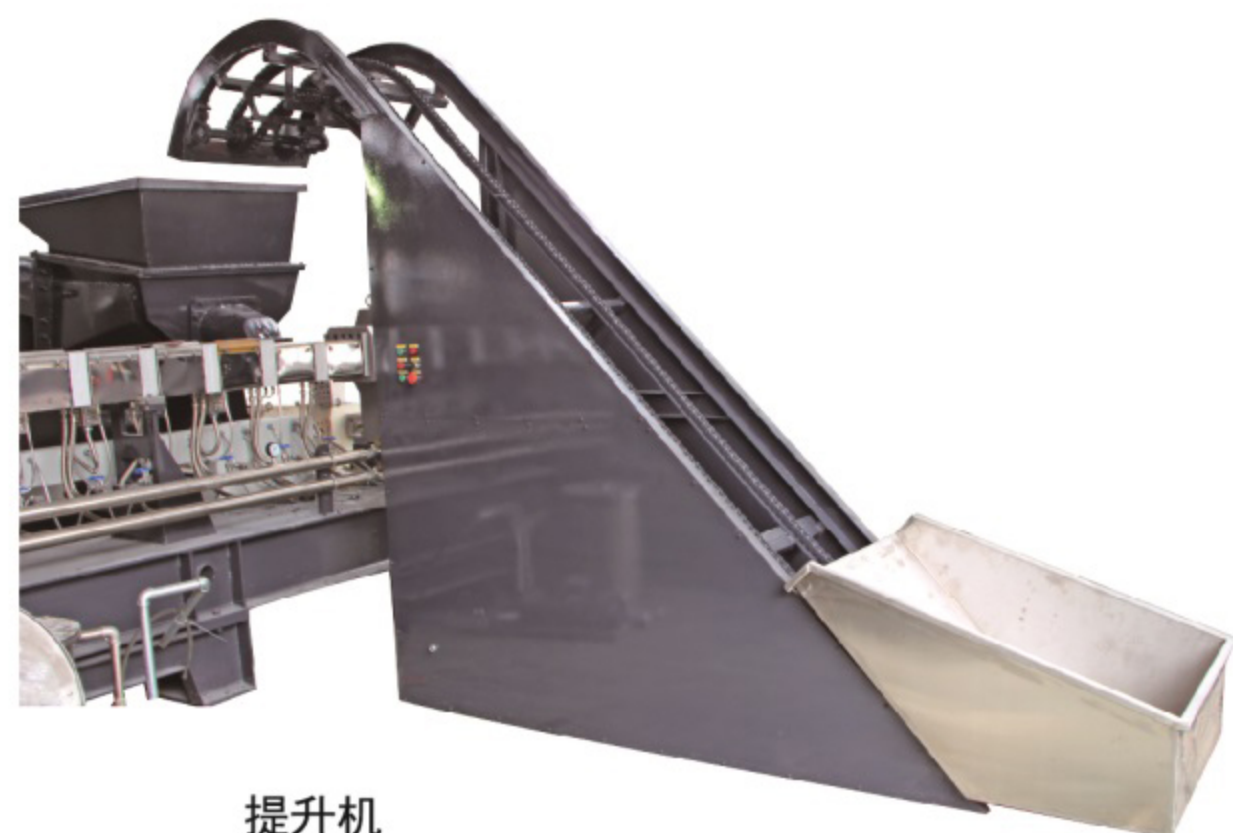
NANJING HAISI

典型作业:

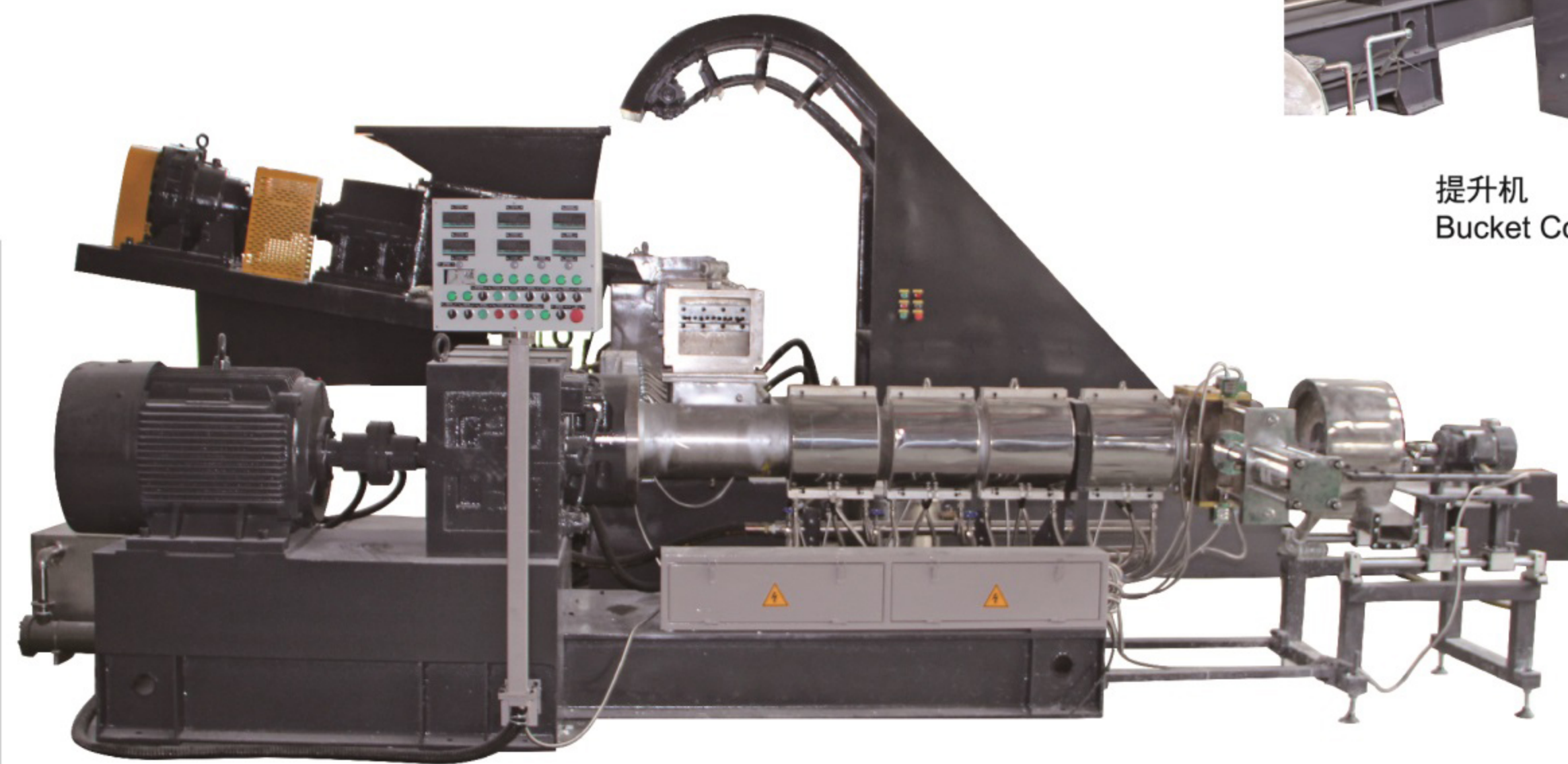
TSE 密炼机通常和上料机, 锥双喂料机和 平行双螺杆挤出造粒机配套使用, 广泛应用于高填充母粒, 炭黑母粒, 等。该工艺流程的特点在于: 增加填充量, 提高产量和混炼效果, 且无粉尘飞扬的现象。

Typical Works:

Kneader, also called banbury mixer, usually is used with Bucket conveyor, Conical twin screw force feeder and Twin screw extruder pelletizing line for masterbatch and compounds. It has been widely used for high filler masterbatch, carbon black masterbatch, etc. with the advantages of increasing filler ratio and output, improving good effect of dispersion and no dust.



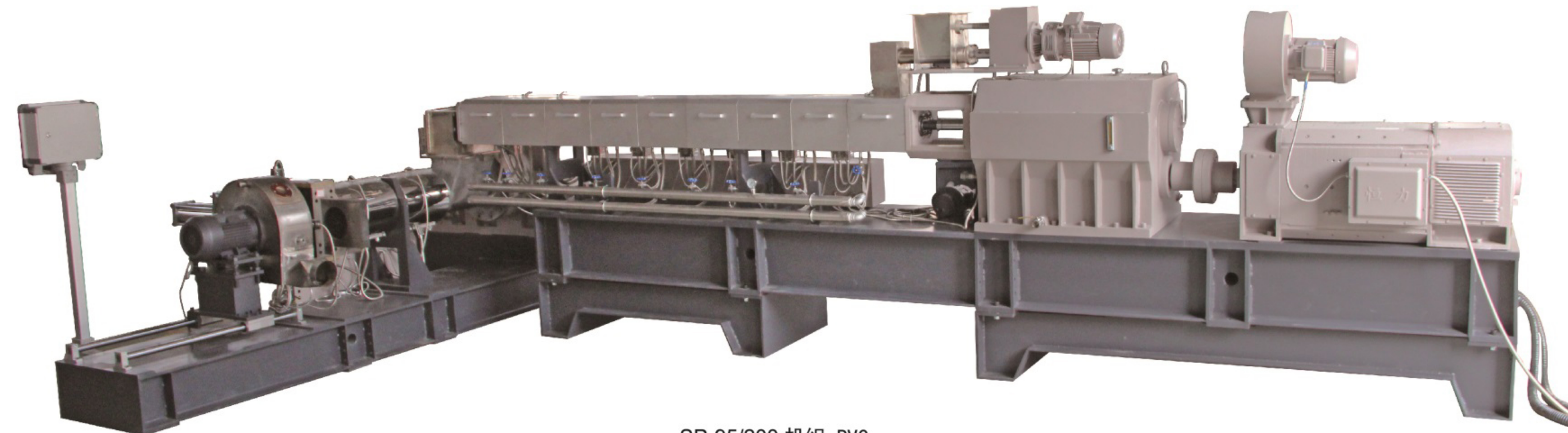
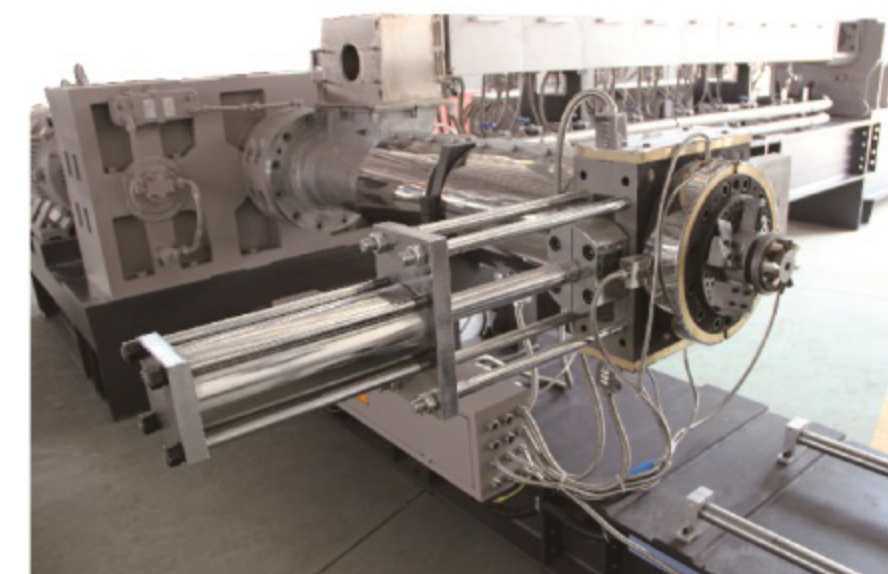
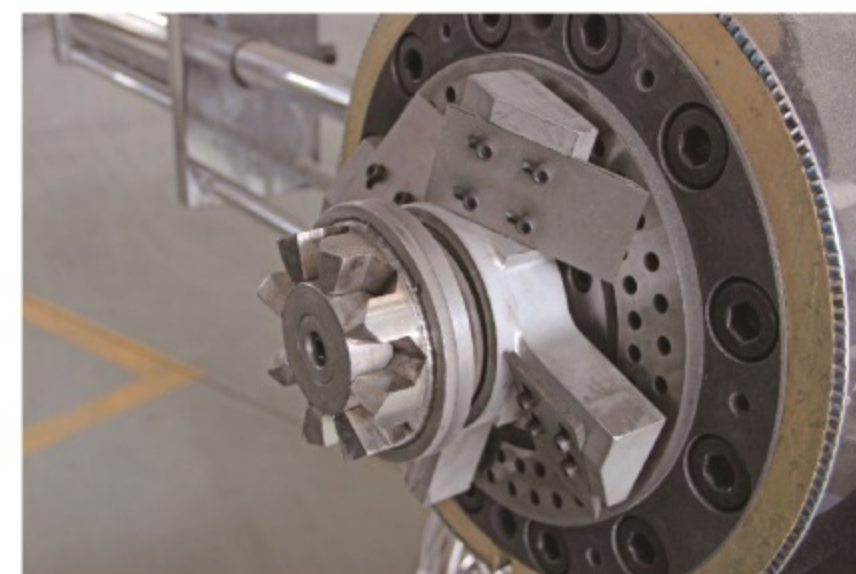
提升机
Bucket Conveyor



SP-75/180 高填充密炼造粒机组
SP-75/180 high filler masterbatch pelletizing line



锥双喂料机
Conical Twin screw force Feeder



SP-95/200 机组 PVC
SP-95/200 PVC Extrusion Line

SP Two-stage compounding extruder pelletizing system

典型作业:

广泛应用于热敏性物料体系及大容量脱挥等作业,

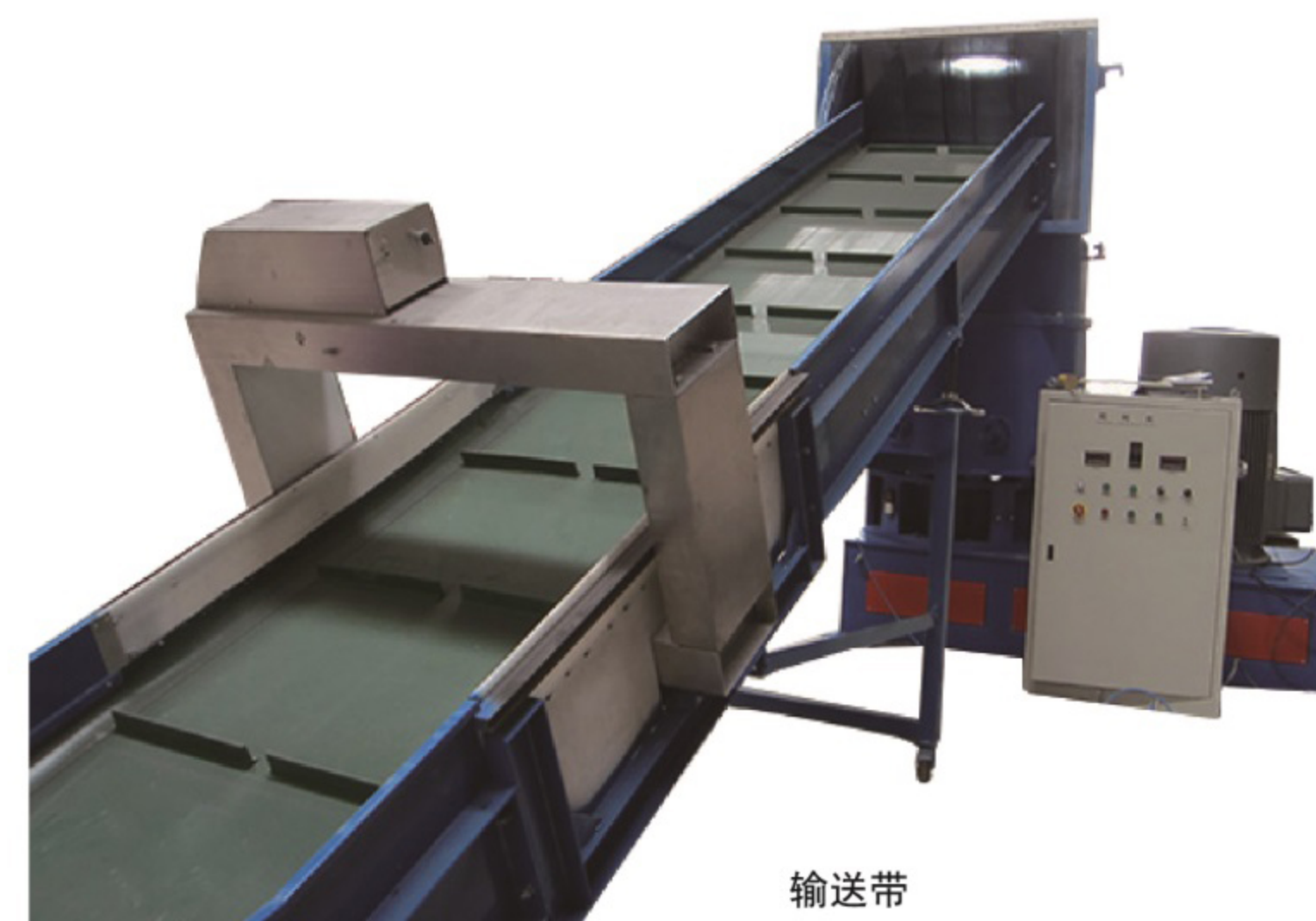
如: PVC, XLPE, 低烟无卤阻燃电缆料、屏蔽料、碳黑母料及橡胶脱水后处理等等。

Typical work:

It has been abroad applied to various thermo sensibility material series and great capability dehydration and volatilization work, such as PVC, XLPE, Zero halogen cable, shield material, high concentration carbon black masterbatch, after treatment of rubber dehydrating.



SP-75/180 双阶式碳黑母粒专用造粒机组
SP-75/180 Two-stage carbon black masterbatch pelletizing line

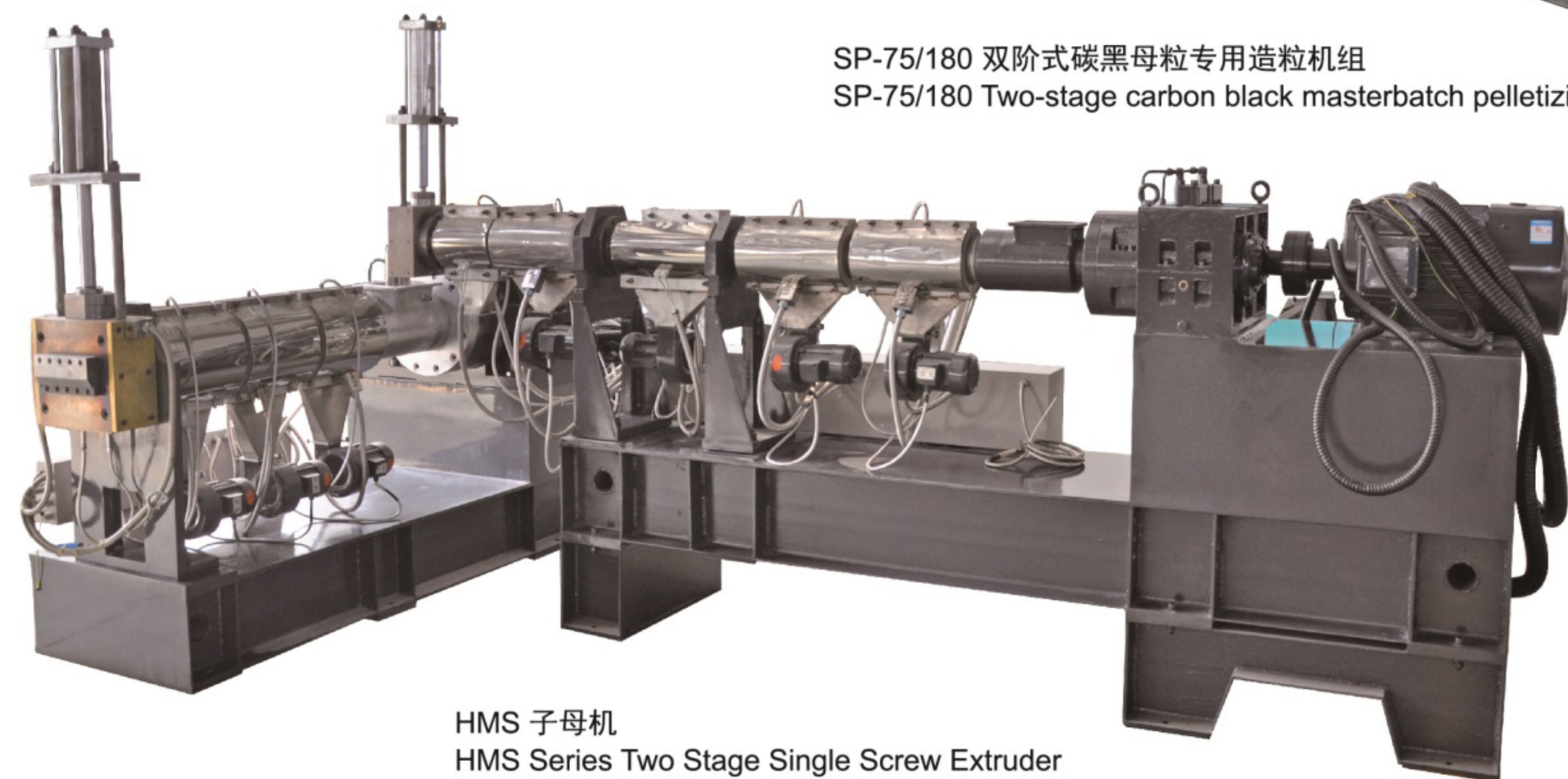


输送带
Conveyor belt

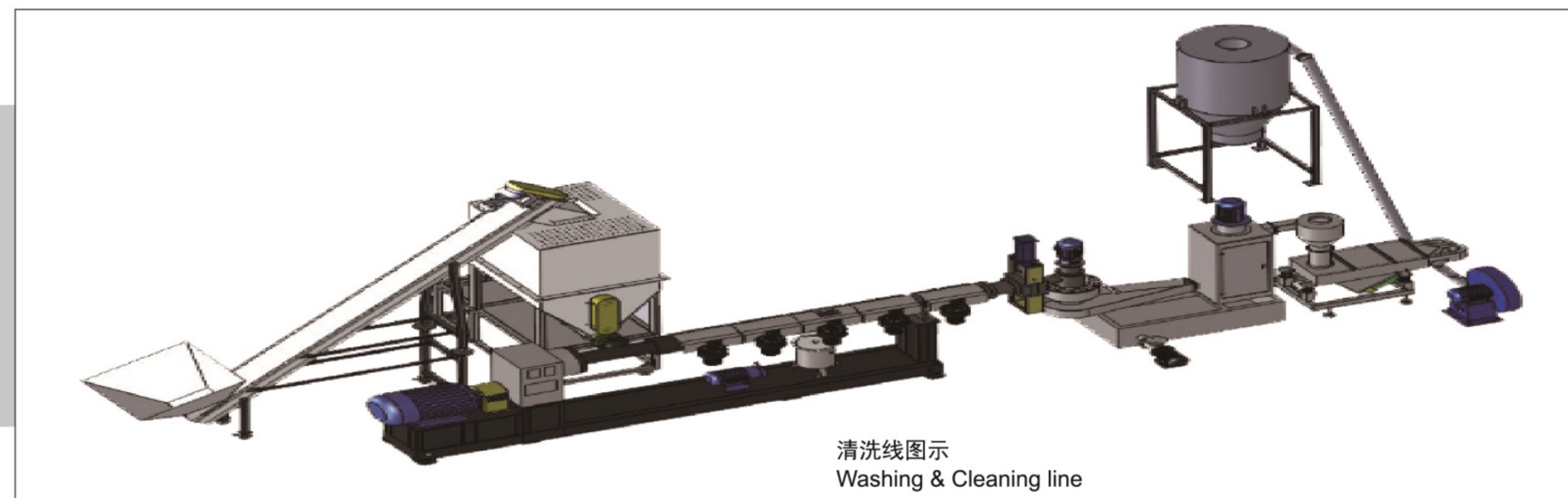


U型上料机系列
U Type Feeding Machine

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HMS 子母机
HMS Series Two Stage Single Screw Extruder



清洗线图示
Washing & Cleaning line

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悬臂式切粒机
Cantilever Pelletizer



龙门式软胶专用切粒机
Gantry type granulator specially for soft rubber



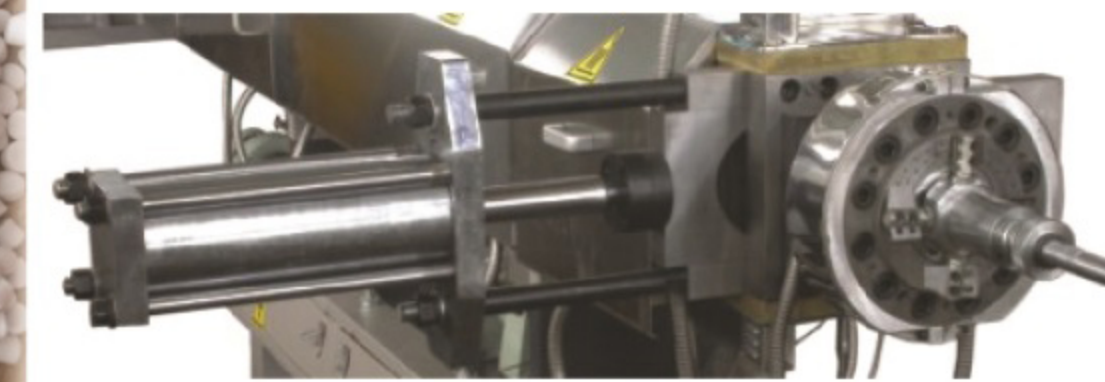
水槽
Water Trough



龙门式切粒机
Planer Type Pelletizer



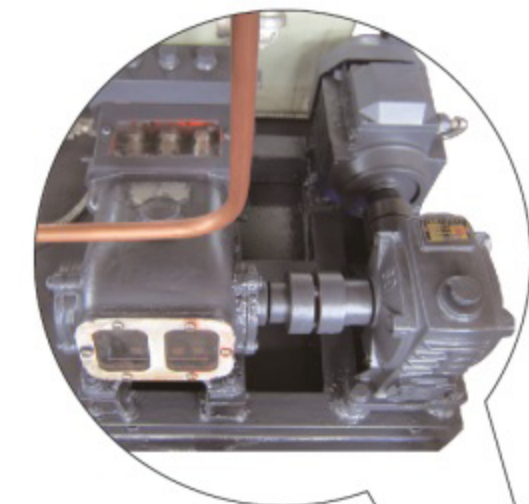
切粒机
Pelletizer



振动筛
vibrating sieve



液压站
Hydraulic Station

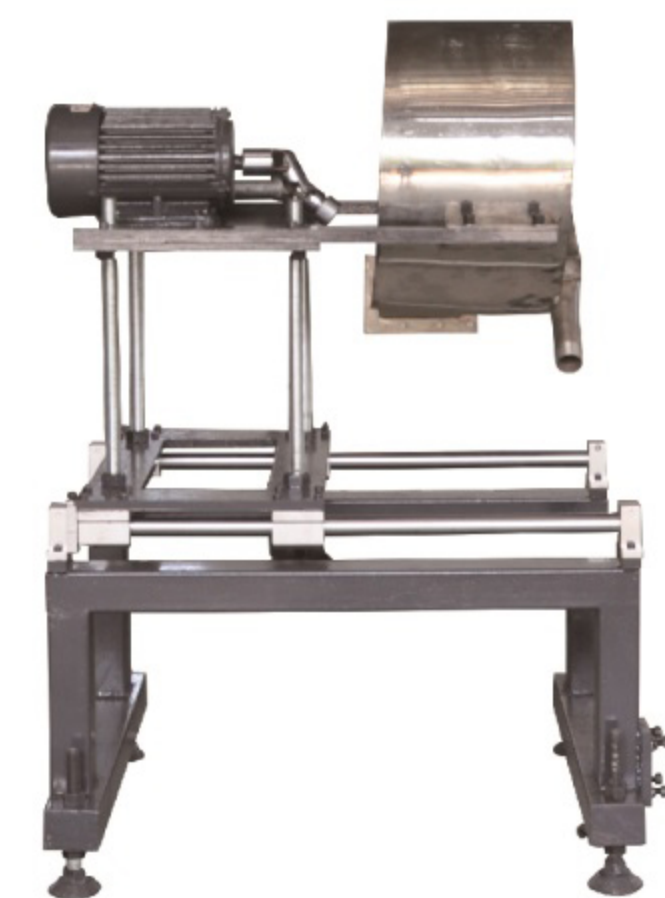
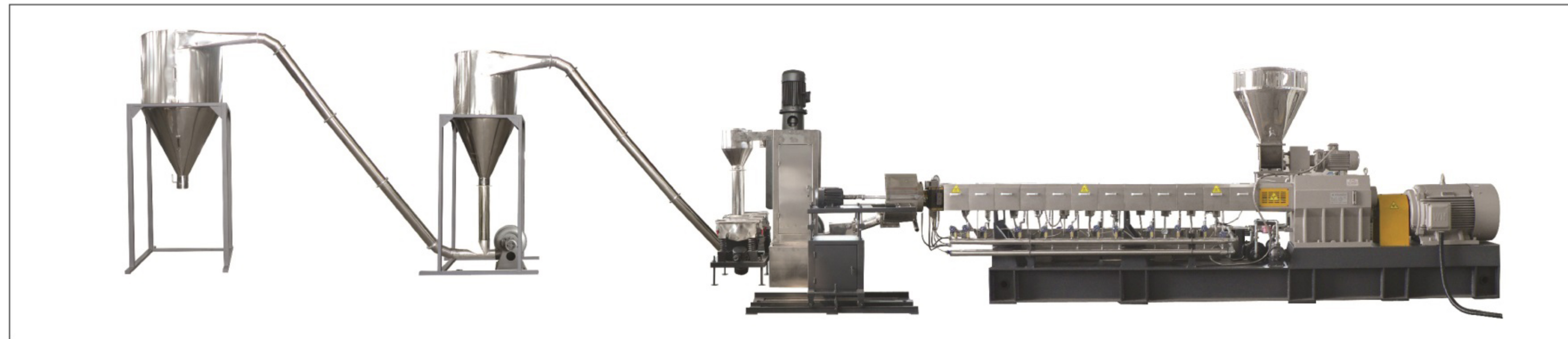


液体加注
Liquid Injection



风冷振动筛
Vibrating Screen With Cooling

卧式水环模面切粒生产线 Horizontal water-ring hot-face pelletizing line



水环切粒小车
Water-ring pelletizer



风机
Blower



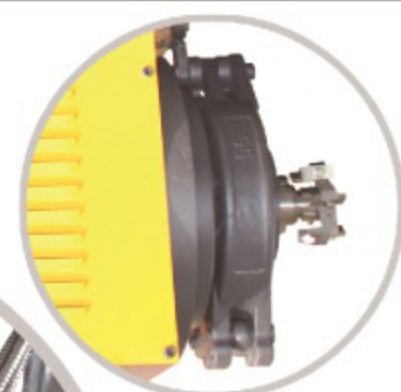
离心脱水机
Centrifugal Dewaterer



水下切粒生产线 Underwater pelletizing line



水下切粒生产线
Underwater pelletizing line





螺纹套
Screw element



高耐磨螺套
wear resistance screw element



“C”型合金套
“C”Shape Alloy Bush



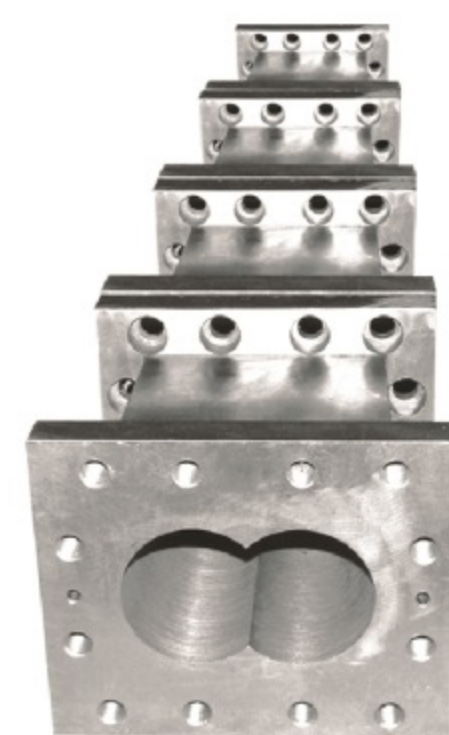
筒体整体合金套
Holistic Bimetallic Liner



螺杆
Screw



安全联轴器
Safety clutch



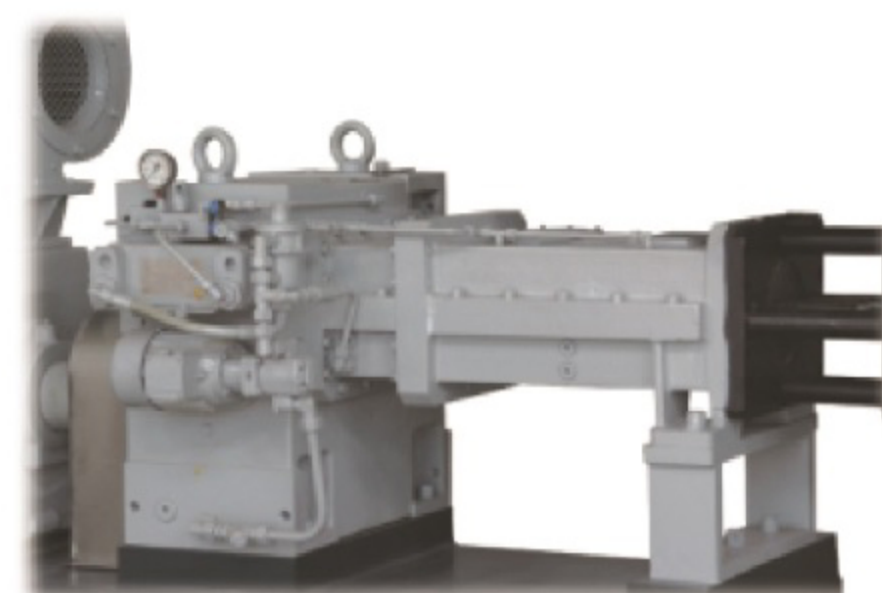
筒体
Segment Barrel



TSE-B 型齿轮箱
TSE-B Type Gearbox



TSH-B 型齿轮箱
TSH-B Type Gearbox



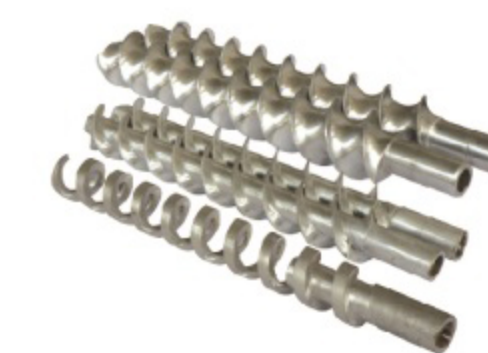
D型进口传动箱
Type-D Imported Gearbox



热切模板
Hot-cutting Molding Board



热切刀盘
Hot-cutting Cutter Head



喂料螺杆
Feed-in Screw



真空桶
Vacuum tank



切粒机配套振动筛
Pelletizer with vibrating screen



水箱
Water tank



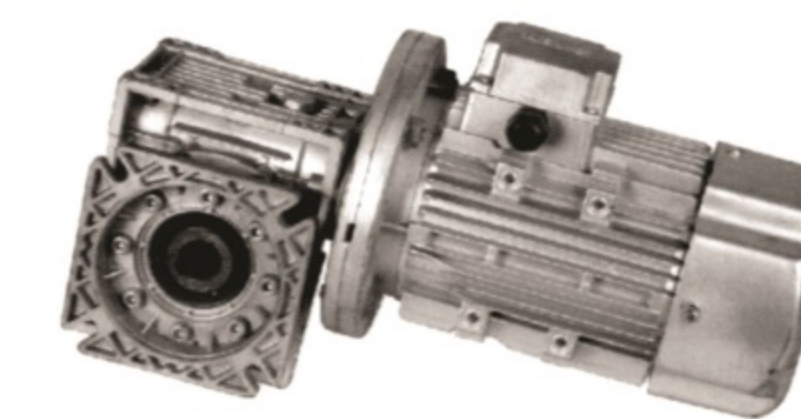
热切风罩
Thermal Cutting Cover



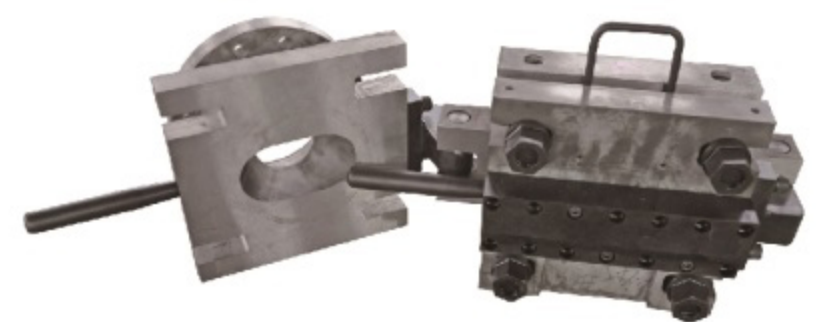
不停机换网液压站
Hydraulic station of non-stop screen changer



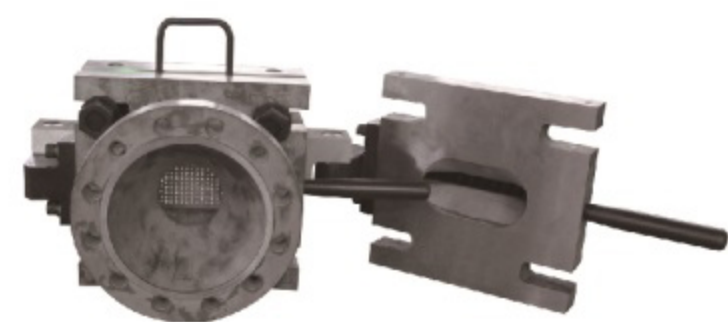
板式不锈钢冷凝器
Plate-typed stainless-steel condenser



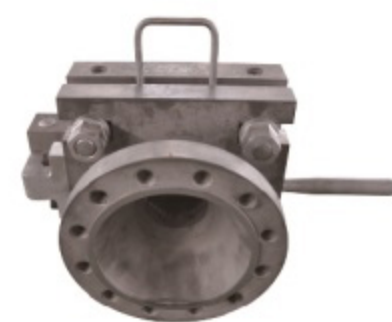
卧式强制喂料电机
Horizontal Force-feeder



二铰链快开热切
Two hinge quick open die



二铰链快开热切
Two hinge quick open die



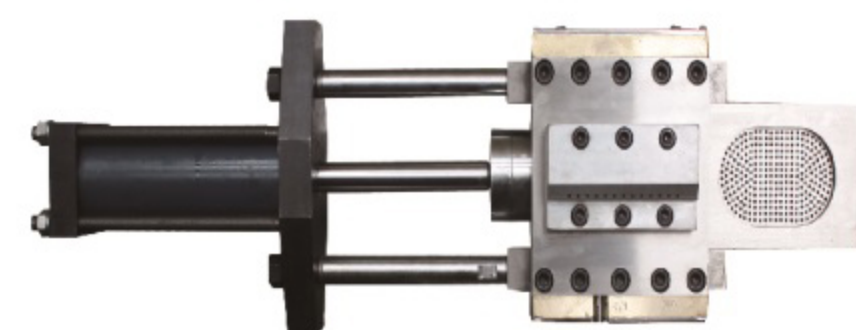
四铰链快开热切
Four hinge quick open die



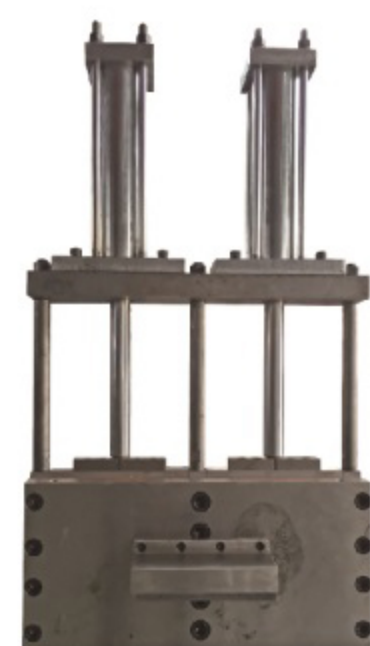
快开机头
Quick-open Die



加大圆形上下换网机头
Enlarged circle-shaped screen changer die



CH65型板式换网机头
CH65 Plate-type screen changer die face



双工位不停机换网机头
Duplex working position non-stop screen changer die face



破碎机
Crusher



破碎机
Crusher



破碎机
Crusher



均化仓
Homogenizing silo



广式振动筛
Tubular vibration sieve



混色机
Vertical mixer



立式混料机
Vertical Mixer



卧式混料机
Horizontal Mixer



高低混盖子带加热
Heating-cooling mixer



高速混合机
High speed mixer



失重秤
Loss in weight feeder



CW65侧喂料支架
CW65 Side Feeder



螺旋上料机
Upward Screw-conveyer



失重秤
Loss in weight feeder



真空自动上料机
Automatic Vacuum Loading Machine

- 框架结构控制柜;
- 进口品牌控制元件;
- 进口温控系统;
- 进口驱动系统;
- 联锁、联控、多路保护。

- Frame structure control cabinet,
- Imported electrical elements,
- Imported temperature control system,
- Imported driving system,
- Interlock and multi-protection.



- 采用进口PLC (OMRON或SIEMENS)控制过程的优化控制, 功能强大、性能稳定、精度更高。
- 可实现整机的联锁保护, 故障的预警、提示等。
- 触摸屏操作界面直观醒目, 简单易用。

- Adopting imported PLC (OMRON or SIEMENS) to achieve optimized process control. Stronger function, steady performance and much higher accuracy.
- It can be also accomplished full-set link-lock protection, trouble safeguard, fault alarm cluing and so on.
- Operation interface on touching screen is visual and marked, which is brief and easy to use.



南京海思
NANJING HAI SI

设备型号 Mode	螺杆直径 D (mm)	螺杆长径比 L/D	螺杆转速 N (r/min)	主电机功率 P (kw)	螺杆扭矩 T (N.m)	扭矩等级 T/N ³	典型作业生产能力 Q (kg/h)
TSE-20	22	32-44	600	5.5	43	7.5	0.5-10
TSE-30A	31	32-48	500	11	105	5.9	5-30
TSE-30B			600	15	119	6.7	5-40
TSE-35A/B	35.6	32-52	600-800	15-22	119	4.4	30-70
TSH-35B	35.6	32-52	600-800	15-22	119	4.4	30-70
TSE-40A	41	32-64	600-800	30-37	276	6.5	100-120
TSE-40B	41	32-52	600	45-55	437	7.5	100-160
TSH-40B	41	32-52	600	45-55	437	7.5	150-220
TSE-50A/B	50.5	32-52	500	45-55	430	5.4	180-270
TSH-52B	51.5	32-60	600	90-132	682	7.5	270-400
TSE-65B	62.4	32-64	600	90	716	5.1	250-350
TSE-65C	62.4	32-64	600	110	875	6.2	300-400
TSH-65B	62.4	32-64	600-800	110-160	875	7.6	350-500
TSE-75B	71	32-64	600	132	1050	4.8	350-550
TSE-75C	71	32-64	600	160	1273	5.8	400-600
TSH-75B	71	32-64	600-800	200-250	1365	7.6	600-800
TSE-95A	93	32-64	500	250	2387	5.0	600-1000
TSE-95B	93	32-64	600	315	2506	5.3	800-1200
TSH-95B	93	32-64	600-800	400-450	2506	5.3	1200-1600
TSE-135A	133	32-64	500	550	7162	5.38	1500-2250

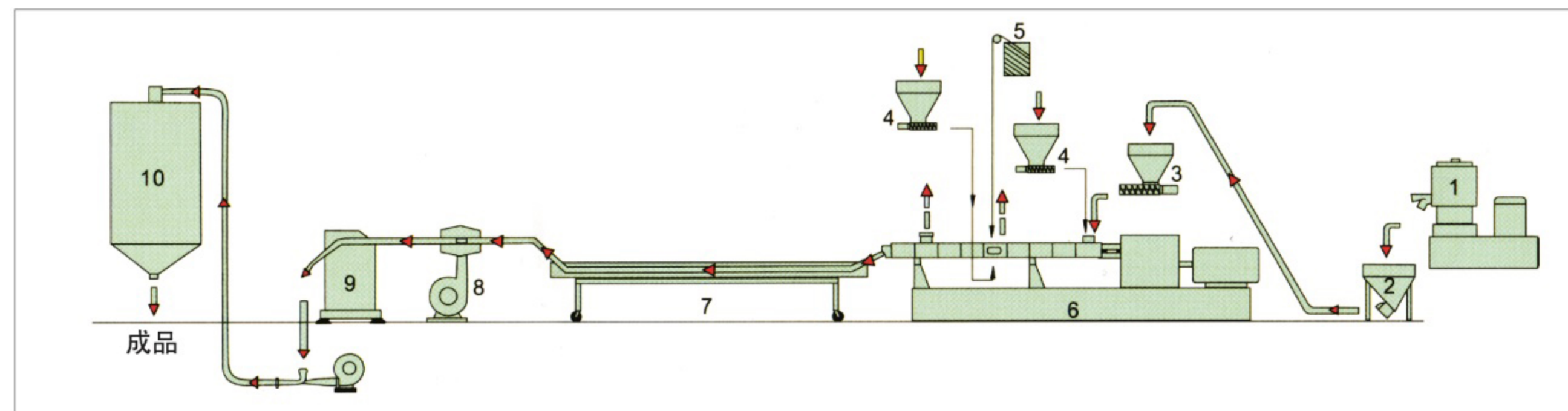
SP 双阶式混炼造粒机组参数表 Technical data for SP two-stage line

设备型号 Mode	螺杆直径 D (mm)	螺杆长径比 L/D	螺杆转速 N (r/min)	主电机功率 P (kw)	典型作业生产能力 Q (kg/h)
SP50-120	TSE-50A	50.5	24-48	500	37-45
	SJ120	120	7-20	65-85	30-37
SP65-150	TSE-65A	62.4	24-48	400-500	55-75
	SJ150	150	7-20	65-85	37-45
SP75-180	TSE-75A	71	24-48	400-500	90-110
	SJ180	180	7-20	65-85	45-55
SP95-200	TSE-95A	93	24-48	300	160-220
	SJ200	200	7-20	85	90-110

SJ 系列单螺杆挤出造粒机组参数表 Technical Data of SJ Series Single Screw Extruder Pelletizing System

设备型号 Mode	螺杆直径 D (mm)	螺杆长径比 L/D	主电机功率 P (kw)	换网方式 (Screen Changer)	典型作业生产能力 Q (kg/h)
SJ-100	100	20-32	30-70	液压 Hydraulic	120-200
SJ-120	120	20-32	37-45	液压 Hydraulic	200-300
SJ-150	150	20-32	55-75	液压 Hydraulic	250-350
SJ-180	180	20-32	75-90	液压 Hydraulic	300-450
SJ-200	200	20-32	110-160	液压 Hydraulic	500-800

填充、共混、增强等拉条冷切粒机组 Strand Extruders for Filling, Compounding and Reinforcing



- 1.高混机 2.上料机 3.主喂料机 4.侧向辅助喂料机 5.长玻纤 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. Loader 3. Main Feeder 4. Side Feeder 5. Long Glass Fiber 6. Twin Screw Extruder 7. Water Tank 8. Air knife 9. Pelletizer 10. 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: PP、PE、PS等+淀粉、助剂等。

Applications:

Fiber Reinforcement: glass fiber, carbon fiber reinforced PP, PA, PBT, ABS, AS, PC, POM, PPS, PET, etc.

Polymer Blending: blending of PC/ABS, PA/ABS, CPE/ABS, PP/EPDM, PA/EPDM, PP/SBS, etc.

Incorporation of Fillers: CaCO₃, Talc, TiO₂, carbon black filled PE, PP, or EVA etc.

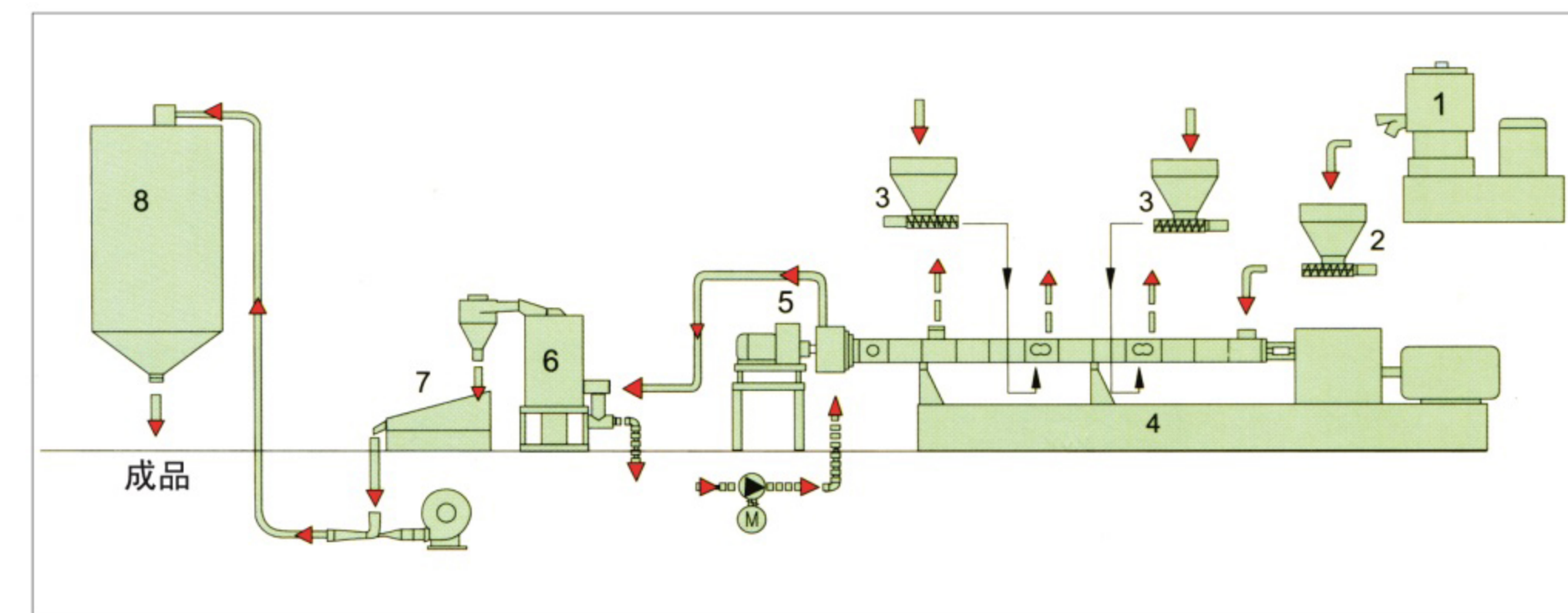
Cable Compounds: cable sheath, cable insulation compounds of LDPE, HDPE, LLDPE, MDPE; radiation-crosslinkable compounds, optical fiber protection compounds, heat-shrinkable polymer compounds.

Special Compounds: PPR pipe compounds, PE compounds for crosslinked pipes, tobacco filter compounds, etc. High Concentration Color Masterbatches: PP, PA, ABS, EVA, PBT, etc. with high concentration of pigments and other processing aids.

Masterbatches with Flame-Retardants: PE, ABS, PS, EVA, PET, PP etc. with flame retardants and other additives Special Functional Masterbatches: Masterbatches with anti-static, anti-bacteria, or other special functional fillers

Masterbatches for Degradable Polymers: PP, PE, PS, etc, blended with high concentration of starch and other processing aids.

填充、共混、改性水环热切粒机组 Water Ring Extruders for Filling, Compounding, Modifying



双螺杆聚合反应造粒机组 Reaction Extruders

- 1.失重喂料机 2.补给料仓 3.预混器 4.主机 5.真空排气站 6.换网器
7.水下切粒机 8.离心脱水机 9.振动筛 10.成品料仓

1, Loss Weight Feeder; 2, Supplying Silo; 3, Mixer; 4, Main Extruder;

5, Vacuum Station; 6, Screen Exchanger; 7, Underwater Pelletizer;

8, Centrifugal Dewaterer; 9, Vibrating Screen; 10, Silo.

适用于: 强烈的传热传质能力, 狭窄的停留分布, 极高的换热与扩散比表面, 连续化作业方式, 对高粘、高温的条件苛刻的反应体系具有得天独厚之优势, PUR, PA, POM, PEI (聚醚酰亚胺)、PC、PMMA、PBT、PPS等连续聚合反应挤出以及动态硫化、交联、接枝、扩链等反应挤出。

Applications:

Intensive heat and mass transfer ability, narrow residence time distribution, large surface to volume ratio, continuous operation, ideal for high viscosity, high temperature reaction systems. Continuous polymerization or reactive extrusion like dynamic vulcanization, crosslinking, grafting, and chain extension of PUR, PA, POM, PEI, PC, PMMA, PBT, PPS, etc.

- 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 Feeder; 4, Twin Screw Extruder; 5, Water Ring Pelletizer; 6, Centrifugal Dewaterer; 7, Vibrating Screen; 8, 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; PE、PP、PS等填充降解母粒。

Applications:

PE, EVA etc. filled with CaCO₃, talc, TiO₂, carbon black etc.

Cable sheath, cable insulation compounds of LDPE, HDPE, LLDPE, or MDPE;

Radiation-crosslinkable, heat-shrinkable cable compounds;

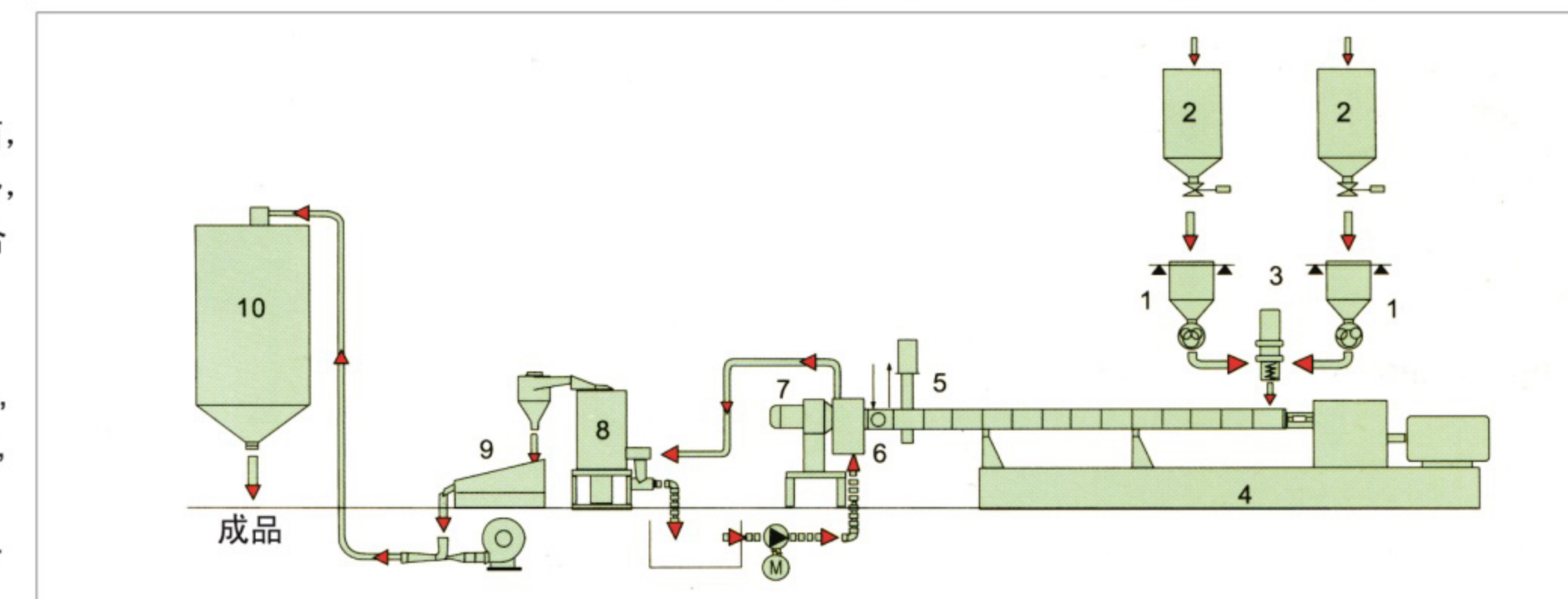
PPR pipe compounds, PE compounds for crosslinked pipes;

TPR, TPU thermoplastic elastomers; EVA and hot-melt adhesives;

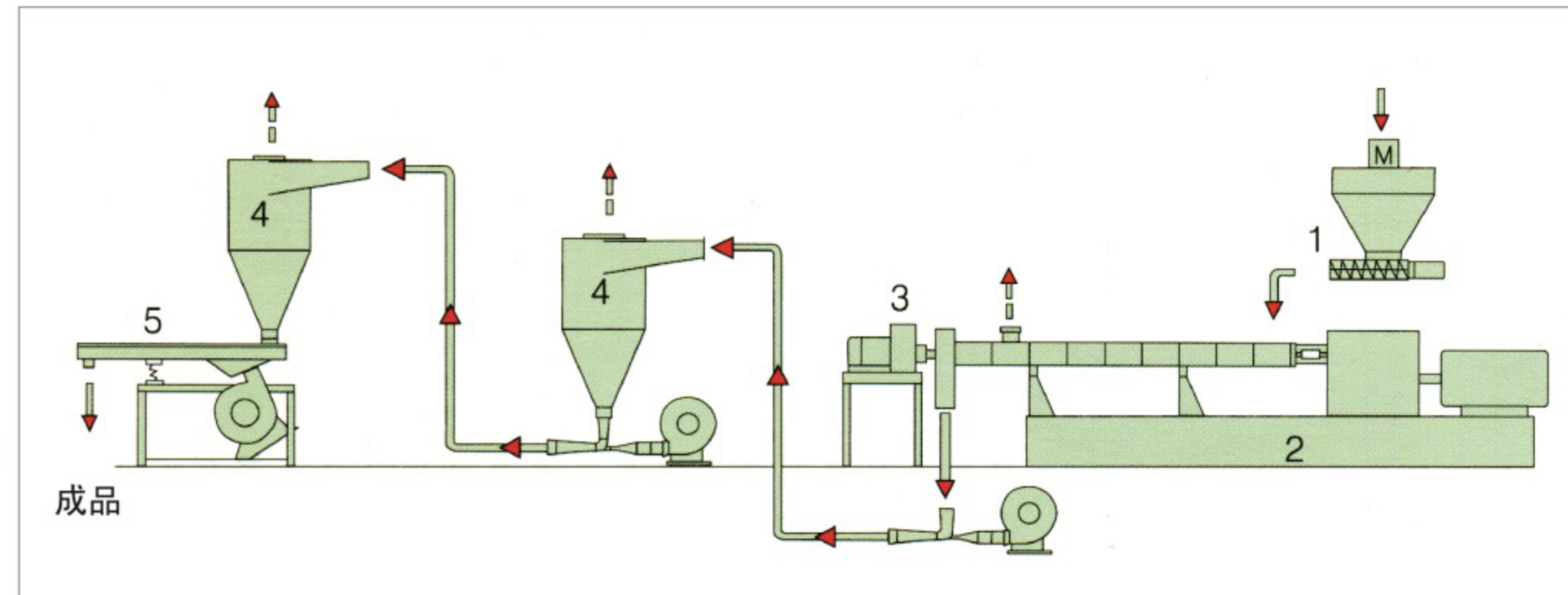
Color concentrations of PE, ABS, PS, EVA, etc;

Flame retardant masterbatches of ABS, PS, EVA, etc;

Masterbatches with PE, PP, PS, etc carriers for degradation applications.



风冷热切造粒机组 Air-Cooling Extruders



1. 计量喂料机 2. 主机 3. 切粒机 4. 旋风分离器 5. 风冷振动筛
1, Metering Feeder; 2, Extruder; 3, Pelletizer; 4, Cyclone; 5, Vibrating Screen;

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: PE、PS等+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.
Degradable master batch: PE, PS etc. +starch, additive etc.
Anti-flame master batch: PE, EVA etc. +Sb₂O₃, Mg (OH) 2, Al₂ (OH) 3 etc.

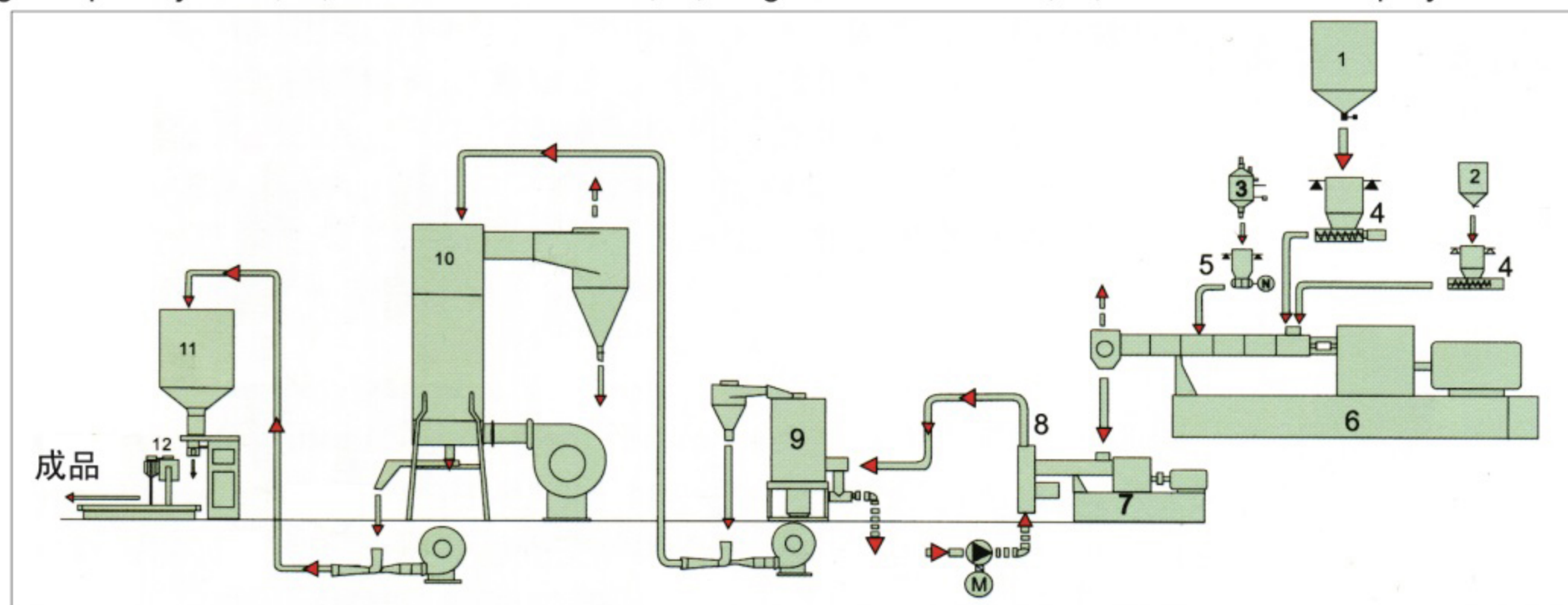
交联电缆料(XLPE)双阶造粒机组 Two Stage Extruders For XLPE

1, PE 料仓; 2, 料仓; 3, 液体储罐; 4, 失重喂料机; 5, 失重式计量泵; 6, 双螺杆主机; 7, 单螺杆主机; 8, 偏心水雾切粒机; 9, 离心脱水机;
10, 沸腾床; 11, 成品料仓; 12, 自动包装机;

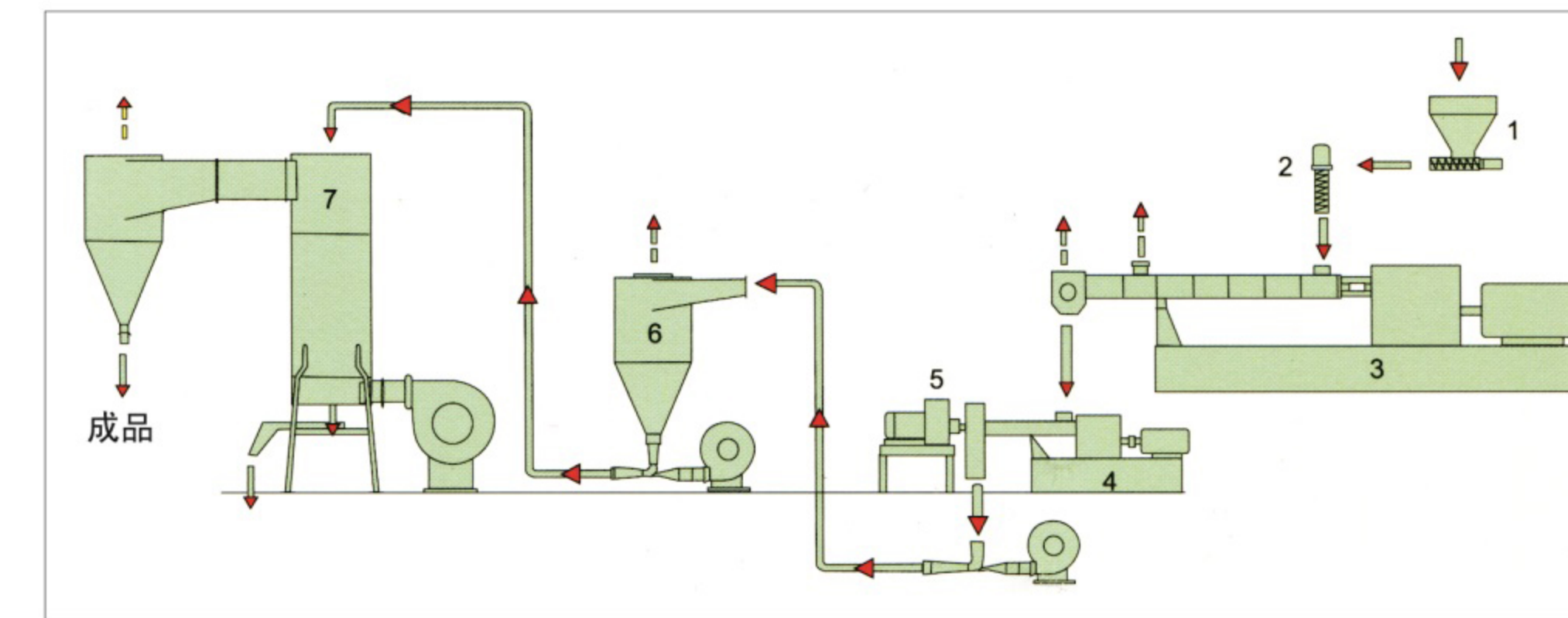
1, Silo for PE; 2, Silo; 3, Liquid Tank; 4, Loss Weight Feeder; 5, Loss Weight Liquid Injection; 6, Twin Screw Extruder; 7, Single Screw Extruder; 8, Eccentric Water-spray Pelletzier;
9, Centrifugal Dewaterer; 10, Boiling Bed; 11, Silo; 12, Automatic Packer.

适用于: 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树脂、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:
This is another application of Tandem Line. Together with special low pressure and short channel die as well as eccentric die-face cutting technology, the tandem line is capable of effectively mixing/compounding PE resins, antioxidants, and peroxides etc. at a low temperature, to minimize premature, crosslinking of polyethylene.



双阶式风冷热切造粒机组 Two Stage Air-Cooling Extruders



1. 计量喂料机 2. 立式强制加料机 3. 双螺杆主机 4. 单螺杆主机
5. 风冷模面切粒机 6. 旋风分离器 7. 沸腾床

1, Metering Feeder; 2, Vertical Forcing Feeder; 3, Twin Screw Extruder;
4, Single Screw Extruder; 5, Air-Cooling Pelletizer; 6, Cyclone; 7. Boiling Bed;

特点: 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。

适用于: 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料; EVA屏蔽料; PE、EVA炭黑母粒等。

Features: Combine the high speed and extensive mixing of processing and the low speed, low temperature, and low shear of single screw processing;
Ideal for compounding of heat-and shear-sensitive materials

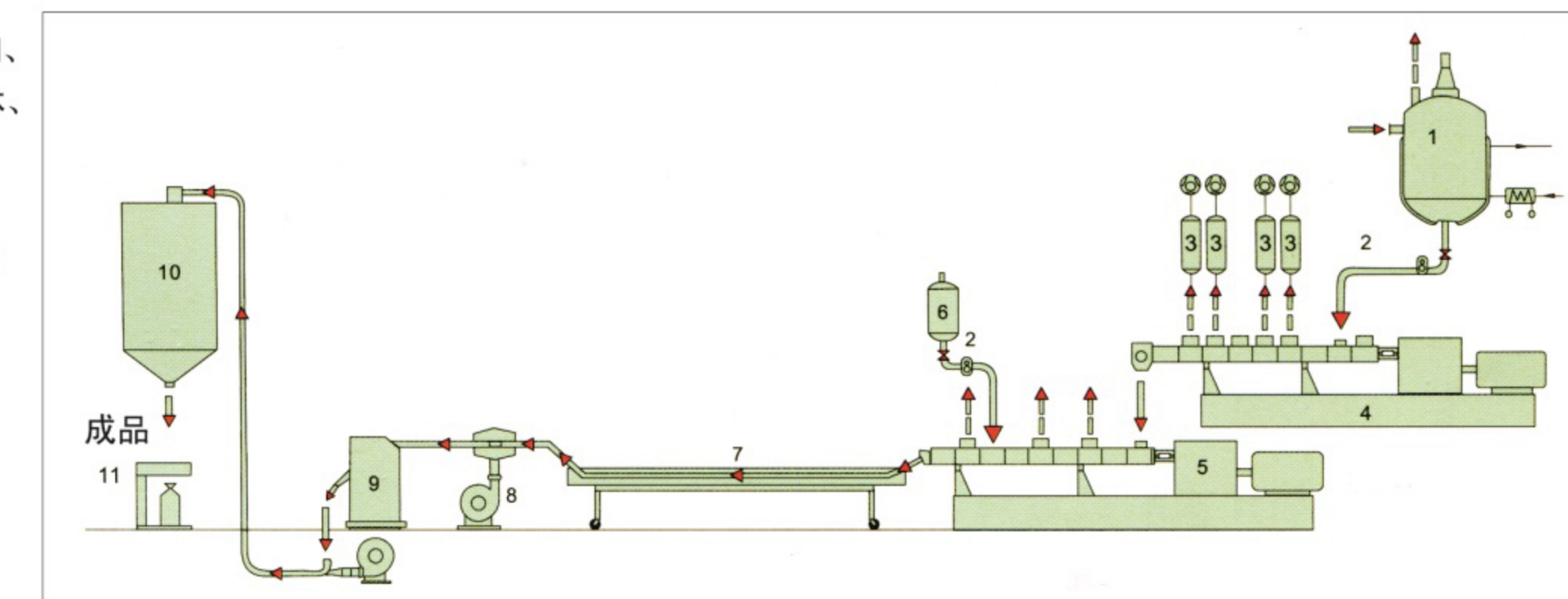
Applications: PVC compounds for cable, shoe sole, transparent container, and medical applications EVA shield cable compounds; Carbon black materbatches of PE, EVA, etc.

蒸发脱挥后处理双螺杆造粒机组 Twin Screw Extruders After Devolatilization

1. 反应釜 2. 计量喂料泵 3. 冷凝罐 4. 多级排气双螺杆主机 5. 双螺杆主机 6. 载体注入 7. 水槽 8. 吹干机 9. 切粒机 10. 成品料仓 11. 包装秤
1, Reactor; 2, Metering Feeder; 3, Condensator; 4, Twin screw extruder with multi-venting; 5, Twin Screw Extruder; 6, Carrier Injector; 7, Water Tank; 8, Air-knife;
9, Pelletizer; 10, Silo; 11, Packer;

适用于: CPE、CPP、CSPE、SBS、K树脂、EVA、PMMA、ABS、POM、PS、PC、顺丁橡胶等高分子材料大容量脱挥排气, 脱除未聚单体、低聚物或溶剂、蒸发浓缩、稳定化处理等。

Applications:
High-volume degassing/venting of unreacted monomers, oligomers, and solvents in polymerization post-processing of CPE, CPP, CSPE, CBS, K-resins, EVA, PMMA, ABS, POM, PS, PC, polybutadiene rubber, etc.



TSH、TSE系列同向平行双螺杆挤出机典型物料作业一览表（参考值）

**Representative Materials Working Capability Schedule Of TSH、TSE-series
 Co-rotating Twin-screw Extruder(Reference Values)**

TSH、TSE系列双螺杆挤出机型号 TSH、TSE-series twin-screw extruder	
工艺过程 Process	典型物料举例 Representative materials
共混改性 Mixing nature-changing	PE、PP、PS+SBS；PA+EPDM；PP+NBR；EVA+硅橡胶等 PE、PP、PS+SBS；PA+EPDM；PP+NBR；EVA+Silicon rubber, etc. PE、PA、PC、CEP+ABS(合金)；PBT+PET；PP+PE等 PE、PA、PC、CEP+ABS(alloy)；PBT+PET；PP+PE, etc
填充改性 Filling nature-changing	PE、PP、EVA等+碳酸钙、滑石粉、钛白粉；ABS、PC、PS等+氢氧化铝、氢氧化镁、氧化锑 PE、PP、EVA, etc+Calcium carbonate, talcum powder, titanic powder; ABS、PC、PS, etc+aluminum hydroxide, magnesium hydroxide, antimony oxide. PP、PA、ABS+铁粉、硫粉、陶瓷粉 PP、PA、ABS+ferrous powder、sulphuric powder、ceramic powder
功能母粒 Functional machine pellets	PP、PA、ABS、PBT等+阻燃剂及其他助剂：助燃母粒 PP、PA、ABS、PBT etc+anti-burning agent and other auxiliary agents: combustion-supporting machine pellets. PE、PP、PS等+淀粉：可降解母粒 PE、PP、PS etc+starch: de-composing machine pellets PE+防雾滴剂、稳定剂：双防母粒 PE+fog-preventing dipper, stabilizer: dual-prevention machine pellets. PE、EVA、ABS等+碳黑：黑母粒 PE、EVA、ABS etc+carbon black: black machine pellets
色母粒 Colored machine pellets	PE、PP、ABS、AS、PA、EVA、PET+颜料及助剂 PE、PP、ABS、AS、PA、EVA、PET+pigment and auxiliary.
玻纤、碳纤增强 Intensified glass fibres and carbon fibres	PP、PBT、ABS、AS、PA、PC、POM、PPS、PET等+长纤、短纤、碳纤、晶须等 PP、PBT、ABS、AS、PA、PC、POM、PPS、PET etc+long fibres, small fibres, carbon fibres, crystals and so on, etc
各类电缆料 Various cables	HDPE、LDPE、LLDPE、MDPE、EVA、PVC、PP等电缆绝缘料、护套料；PE过氧化物、硅烷交联电缆料；辐射交联电缆料 HDPE、LDPE、LLDPE、MDPE、EVA、PVC、PP etc, Lnsulating cables, coatings; PE peroxide silicon alkyl crossing cables; radialization crossing cables.
特种物料 Special materials	EVA热熔胶、聚氨酯、氟橡胶、氟塑料、PP卷烟滤材、TPR鞋底料、宠物食品 EVA heat-melting glue, polyurethane, fluorin rubber, fluorine plastics, PP cigarette filterial and TPR sole material.
反应挤出 Reaction extruding	聚酰胺缩聚、聚酰胺熔体聚合、聚氨酯加聚、聚碳酸酯缩聚反应等 Polyamide condensate, polyamide melting polymerization, polyamide polyethene-adding, polycarbonate condensate, etc.
排气脱挥 Exhausting and volatilization	氯化聚丙烯、高吸水性树脂、氯磺化聚乙烯 Polystyrene oxide, high-absorbing resin, chlorine sulphur polyethylene.
粉末涂料 Powder paint	聚酯类、环氧类、丙脂类、聚氨酯类、丙烯酸脂类 Polyester, ring oxide, lactide, polyurethane, acrylate.

SP及HMS子母机系列机组典型物料作业能力一览表（参考值）

**Representative Materials Working Capability Schedule Of SP Series
 And HSM Series Extruder(Output For Reference)**

SP系列双阶机组型号 SP series two-stage extruder Model		50/100	65/150	75/180	95/200
工艺过程 Process	典型物料举例 PE、PP膜回收 Representative materials PE PP film recycling				
热敏性塑料 Heat-susceptible plastics	PVC 电缆料、低烟低卤、透明医用、包装、鞋底料 PVC cables, low smoke and low halogen, transparent and for medical use, package, and sole	150-300	200-500	350-800	600-1400
	PE过氧化物交联电缆料； PE硅烷交联电缆料； PE交联管材料； PE、EVA交联屏蔽料 BPVC电缆 PE peroxide crossing cables; PE silicon alkyl crossing cables; PE crossing piping; PE and EVA crossing shield BPVC electrical cable	120-250	200-450	280-600	600-1100

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- ◆ 详细介绍产品特点，认真了解生产需求；
- ◆ 根据加工物料和工艺，为您策划最优的装备配置方案；
- ◆ 提供新工艺、新配方的试验条件。



售中服务

- ◆ 提供项目所需的公用工程条件、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排列形式；
- ◆ 及时与您沟通项目进度情况；
- ◆ 严格执行技术附件条款，确保产品按期保质交付。



售后服务

- ◆ 提供设备现场安装指导、全面调试、操作人员岗前培训；
- ◆ 建立详尽的用户服务档案，终身跟踪服务；
- ◆ 长期保证充足备件供应，长期提供免费技术咨询服务；
- ◆ 用户回访制度化，及时反馈设备现场使用信息；
- ◆ 设备一年内免费三包。



Before-sale

- ◆ Introduce products in detail
- ◆ Recommend suitable solution
- ◆ Offer test

During manufacturing

- ◆ Provide layout and engineering conditions
- ◆ Offer screw plan and related documents
- ◆ Inform the project processing status
- ◆ Insure the product designed in accordance with technical document

After-sale

- ◆ Provide installation, commissioning and training
- ◆ Offer spare parts
- ◆ Provide necessary technical support and update information

Service system