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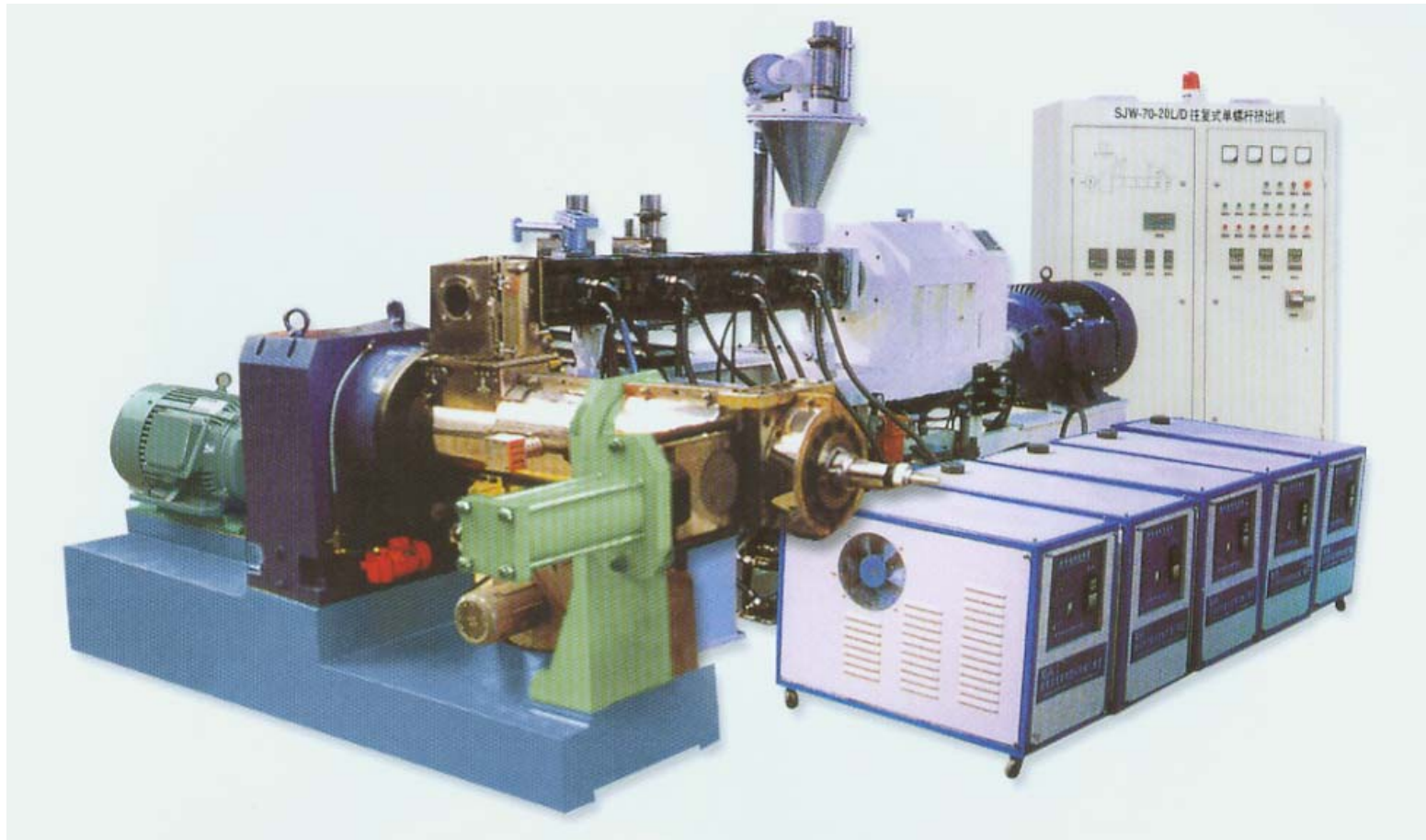
SJW Co-Kneader—Compounding Expert

The SJW Co-Kneader is a rotating and reciprocating single screw extruder. It offers excellent dispersive and distributive mixing, while compounding at low processing temperatures.

- **Significantly lower product temperature levels**
- **Uniform shearing effect without temperature peaks**
- **Accurate polymer temperature control**
- **Short residence time during process**
- **Higher filler loading**
- **Efficient injection of liquid additive**
- **Excellent self-cleaning**
- **Vertical split for easy maintenance**
- **Short product changeover time for wide application**

Layout of the SJW Co-Kneader

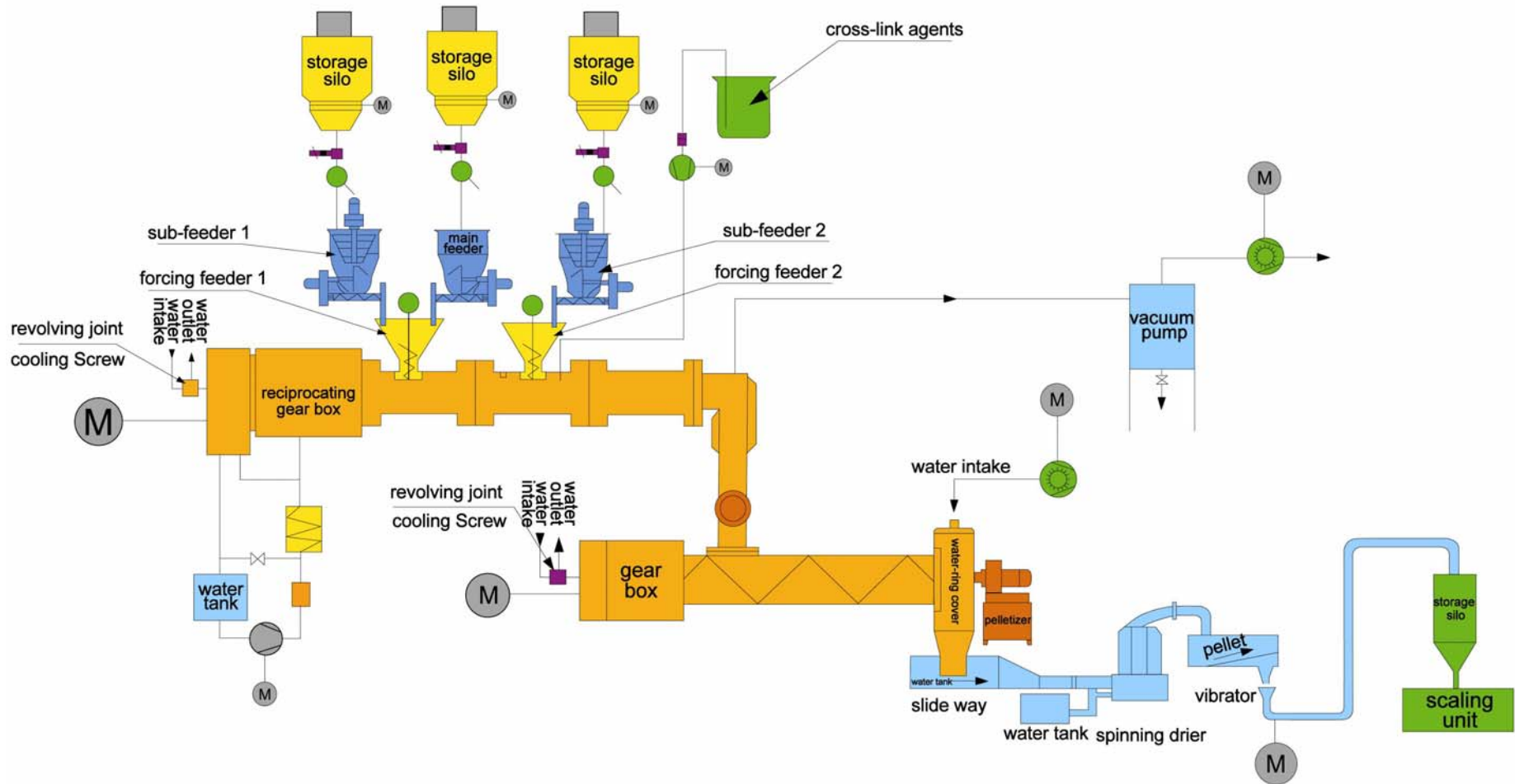
Cascade Type (Two-Stage)



■ Technical Data of Cascade Type for Cable Materials

Cascade Type		SJW-45/60	SJW-70/120	SJW-100/150	SJW-140/180
Feeding	Premix or dosing individually				
Kneading & Extruding System	Power(KW)	15-30	55-75	90-132	160-220
	L/D	10-25	10-25	10-25	10-25
Single Screw Extruder	Driving power(KW)	7.5-15	22-30	37-45	55-75
	Screw(L/D)	7-8	7-8	7-8	7-8
Output(kg/h)	Low-smoking and non-halogen; low-halogen flame retardant wire & cable compounds	15-30	100-150	200-350	400-800
	PE cross-linking wire & cable compounds (peroxide cross-linkable)	20-50	80-120	200-350	400-700
	PE cross-linking wire & cable compounds (silane cross-linkable)	20-50	150-200	400-700	800-1400
	PVC(transparent)	40-80	230-300	500-650	800-1500
	PVC(jacketed)	40-80	200-250	500-650	800-1500
	PVC(insulated)	40-80	200-250	500-650	800-1500

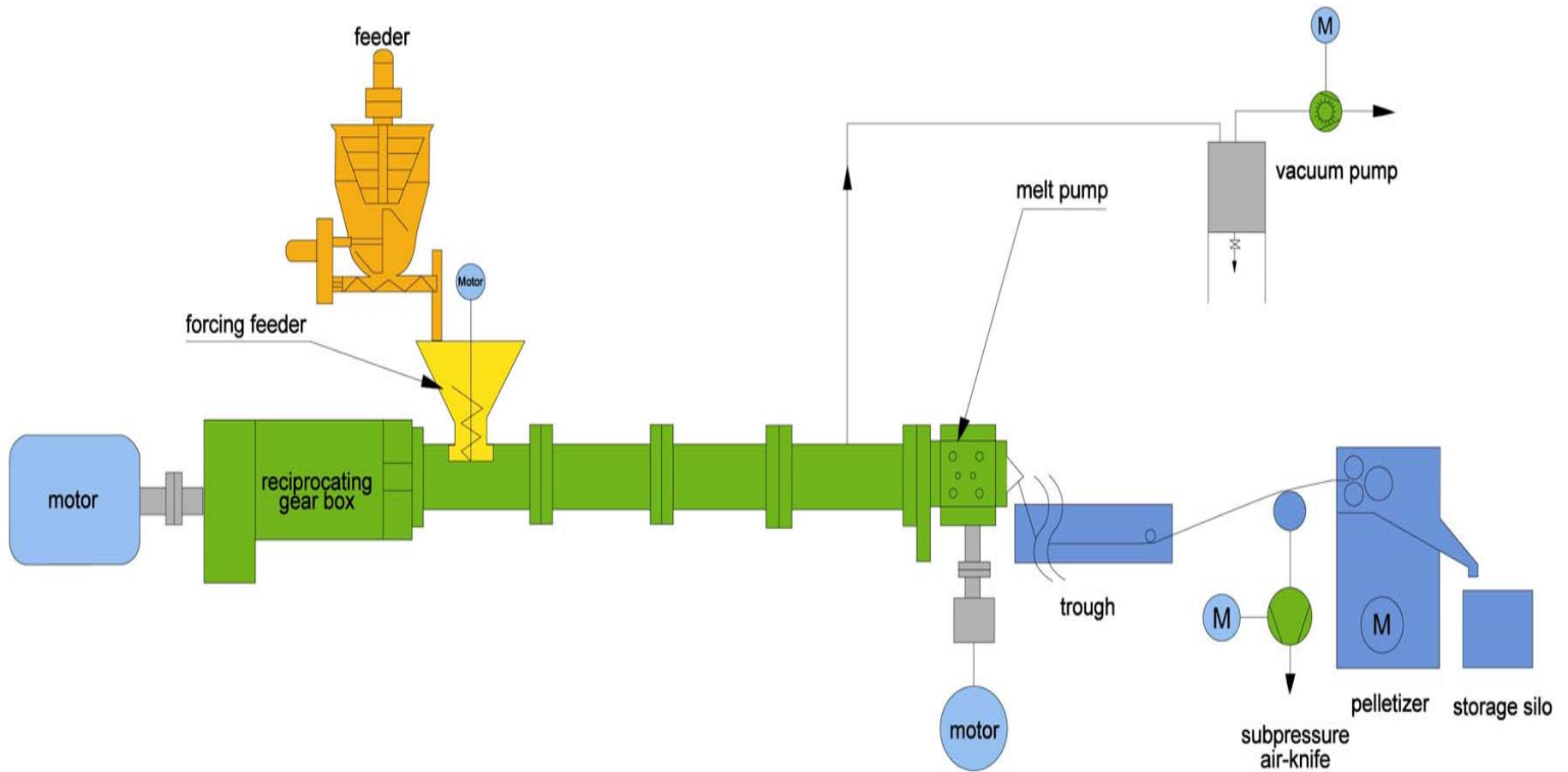
Diagram for SJW Co-Kneader Cascade Type



■ Technical Data for Engineering Plastics (Melt Pump Type)

	Content	SJW45	SJW70	SJW100	SJW140
Feeding	Premix or dosing individually				
Kneader	Driving power	15-30	55-75	90-132	160-220
	L/D	15-25	15-25	15-25	15-25
Melt pump	Driving power	3	5.5	15	22
Output(kg/h)	PBT+GF(30%)	40-70	200-300	500-650	700-1000
	PBT+FR+GF(30%)	40-70	200-280	450-600	700-1000
	PA+GF(30%)	40-70	220-280	450-600	700-1000
	PA+Toughness Add.	30-60	150-220	300-450	600-900
	PA+FR+TALC(40%)	40-70	200-250	400-500	700-1000
	PA+Mg(OH)2(65%)	20-40	150-220	350-450	600-900
	PC+GF(30%)	20-50	180-250	400-500	600-900
	PA+GF(50%)	20-40	150-220	300-450	600-900

Diagram for Engineering Plastics (Melt Pump Type)



■ Technical Date for Thermoset Plastics Compounding

	Content	SJW-45	SJW-70	SJW-100	SJW-140
Feeding	Premix or dosing individually				
Kneader	Modle	SJW-15L/D	SJW70-15	SJW100-15	SJW140L/D
	Main Power	22kw AC	55kw AC	110kw AC	160-200kw AC
	Screw	φ 45mm 15L/D	φ 70mm 15L/D	φ 100mm 15L/D	φ 140mm 15L/D
	Rev	500rpm	500rpm	500rpm	500rpm
	Screw Element; Lining & Pin Material	High wear-resistance alloy			
	Vertical Feeder	0.75kw 6 级	1.1kw 6 级	1.5kw 6 级	2.2kw 6 级
	Side Feeder	0.55kw 4 级	0.75kw 4 级	1.1kw 4 级	1.5kw 4 级
	Cooling System	Inside the barrels and srew			
Hot-cutting sys.	Cutting Machine Motor	1.1kw 6 级	2.2kw 6 级	4kw 6 级	7.5kw 6 级
	Controlling	AC			
Output(kg/h)	Power coating and toner	20-50kg/h	100-150kg/h	200-300kg/h	500-800kg/h
	Bakelite	20-50kg/h	100-150kg/h	200-300kg/h	500-800kg/h
	Compounds	20-50kg/h	100-150kg/h	200-300kg/h	500-800kg/h

Diagram for Thermoset Plastics Compounding

