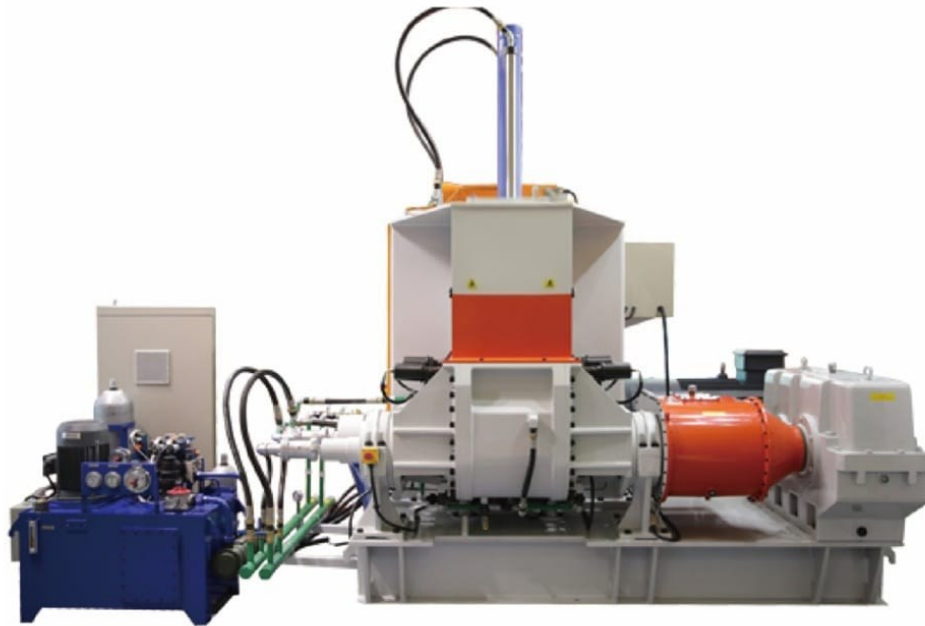




- The loading door allows safe and easy material input, sealing hermetically to ensure the process is performed securely and efficiently.
- The upper ram, driven hydraulically or pneumatically, applies precise pressure during mixing, ensuring uniform consistency across the compound.
- Upon completion, the chamber rotates to discharge the mixed compound directly into a bucket conveyor.
- The spiral rotor geometry and its strategic positioning are engineered to maximize mixing efficiency and improve the overall quality of the final product.
- Modular construction to facilitate the installation and the maintenance.
- Equipped with a PLC control system, the Kneader manages all phases of operation, including safety protocols, ensuring a reliable and monitored mixing process.



Our Kneader ensures efficient, high-quality mixing of rubber and plastic compounds with its compact, hermetically sealed chamber. The optimized rotor design guarantees consistent mixing, while the controlled pressure system ensures uniform results. A PLC-based control system simplifies setup and monitoring of key parameters. The efficient discharge system minimizes downtime, enhancing productivity. Designed for safety and precision, the Kneader is an ideal solution for compact, reliable, and efficient mixing process.

FEATURES AND TECHNICAL DATA

Item	Mode	X(S)N-3	X(S)N-10/32	X(S)N-20/32	X(S)N-35/32	X(S)N-55/32	X(S)N-75/32	X(S)N-95/32	X(S)N-110/30	X(S)N-150/30	X(S)N-200/30
Total Volume of mixing chamber	L	8	25	45	80	125	175	215	250	325	440
Working Volume of mixing chamber	L	3	10	20	35	55	75	95	110	150	200
Driving motor power	KW	7.5	18.5	37	55	75	110	132	185	220	280
Tilting motor power	KW	0.55	1.5	1.5	2.2	2.2	4.0	5.5 Hydraulic	7.5 Hydraulic	15KW Hydraulic	7.5
Tilting angle	°	140	140	140	140	140	140	130	140	140	140
Rotational speed of the rotor (front/rear)	r/min	25-100/18-72	32/25	32/26.5	32/24.5	32/26	32/26	32/26	30/24.5	30/24.5	30/24.5
Pressure of compressed air	Mpa	0.7-0.9	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Consumed capacity of compressed air	m ³ /min	≥0.3	≥0.5	≥0.7	≥0.9	≥1.0	≥1.3	≥1.5	≥1.6	≥2.0	≥2.0
Pressure of cooling water (rubber mixing)	Mpa	0.2-0.4	0.2-0.4	0.2-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4
Pressure of heating steam (plastics mixing)	Mpa	0.5-0.8	0.5-0.8	0.5-0.8	0.5-0.8	0.5-0.8	0.5-0.8	0.5-0.8	0.5-0.8	0.5-0.8	0.5-0.8
Overall dimensions	L	1670	2380	2355	3200	3360	3760	3860	4075	4200	4520
	W	834	1353	1750	1900	1950	2280	2320	2712	3300	3400
	H	1850	2113	2435	2950	3050	3115	3320	3580	3900	4215
Weight	kg	1038	3000	4437	6500	7850	10230	11800	14200	19500	22500