

Carrying forward over 50-year manufacturing experiences in electronic equipments and electronic components, Beijing Sevenstar Electronics Co., Ltd. (shortened for “Sevenstar Electronics”) was established in September 2001. Located in “Electronic Science and Technology Park” of Zhong Guan Cun High-tech Industrial Development Zone, it is a large-scale integrated high-tech company which combines with R&D, manufacturing, sales, and services.

As the largest chargeable battery equipment provider, the Battery Manufacturing Equipment Division of Sevenstar is particularly focusing on battery equipment manufacturing, and regards Li-ion battery (Polymer battery) & MH-NI battery manufacturing equipment producing as its main business. Sevenstar has already provided varieties of high level semi-automatic and automatic production line in both of domestic and overseas market. We produce not only for battery research institute but also for enterprises which engaged in production battery of Li-ion (solid, liquid) , Mh-Ni, Cd-Ni, and Fuel cell.

Our product occupies more than 40% of domestic market share in in China. Moreover, the li-ion battery manufacturing equipment (especially power battery) & the whole production line which offered by Sevenstar occupy over than 60% of domestic market share. Meanwhile, 90% of domestic battery producer take use of our products. Besides, our equipments have already substituted import equipments and have filled the domestic gaps. In addition, our products has already export to overseas.

Sevenstar wish to cooperate with all the battery manufacturing practitioners to improve the technical level of Bettery Industry.

Vacuum mixer (high speed)		
Model G45-200-2A-DZ		
Application: The machine is used in mixing the slurry of the battery, electronic component and others and also for chemical industry, pharmacy, food industry, etc.		
Power supply	3 ϕ 380V 50Hz	
Total power	36KW	
Effective volume of the tank	200L	
Mixing speed	High speed	Revolution 33rpm(max)
		Autorotation 2000rpm (Two high speed dispersion blades)
	Low speed	Revolution 33rpm(max)
		Autorotation 70rpm (Two helical type staffs)
Vacuum degree	$\leq -88\text{KPa}$	
Rise-fall mode	The mixing mechanism is fixed. It delivers the implement of up and down of mixing tank by mechanism form (electrical control)	
External dimension	3380 \times 1500 \times 2950 (mm)	Excluding electric control box, vacuum pump, etc.
Weight	About 6000Kg	

Slot Die Coating Machine	
Model	M12-650B-4C-DZ
Application: The machine is used in coating the battery electrode with slurry.	
Power supply	3 ϕ 380V 50Hz
Base material width	400-650mm
Base material thickness	Aluminium:0.010-0.030 (mm)
	Copper foil:0.010-0.030 (mm)
Tape transport speed	Max15m/min
Coating accuracy	single side $\pm 1.5 \mu\text{m}$ double side $\pm 2 \mu\text{m}$ (thickness variation after dried)
Coating mode	Intermittent coating ,the minimum spacing is 12mm
External dimension	About $[3000 \times 3 + 5000 \times n + 7000] \times 2000 \times 3000$ (mm)

Calender	
Model	X15-400-3-Dz
Application: The machine is used in rolling the battery electrode for increasing the material density.	
Power supply	3 φ 380V 50Hz
Total power	35KW
Dimension of roller	Φ 400×450mm
Rotating speed of roller	15m/min (can be adjusted)
Pressure of roller (by hydraulic pressure mode)	50~250T
Surface roughness of roller	Ra=0.4
Control interval of roller	0~2mm
External dimension	6500mm×4500mm×2300mm
Weight	About 12000Kg

Li-ion battery electrode slitting machine	
Model	X02-7-650-1-DZ
Application: The machine is used in slitting the electrode of Li-ion battery positive and negative continuous.	
Power supply	3 ϕ 380V 50Hz
Total power	10KW
Unreeling diameter	max ϕ 600mm
Coil strip width	max 650mm
Reeling diameter	max ϕ 420mm(the design can be altered according to user's requiremnet)
Thickness of electrode ca be slitted	110-300 μ m
Slitting speed	max 50m/min (regulated continually)
Slitting specification	can be provided according to user's requirement
Slitting accuracy	\pm 0.05mm
Rectifying accuracy of the unreeling	\pm 0.02mm
Tension control	closed-loop and continuous tension control system automatically
External dimension	2850 \times 1800 \times 2000 (mm)
Weight	About 3500Kg