

Intelligent Robot Sterile PFS System

Film tearing



Lining paper
removing



Transferring



Filling



Truking SFSR series intelligent robot sterile PFS system has characteristics of quick speed, stable performance, and no cross contamination. It has only half floor area comparing with traditional design, reduced more than 20% environment cost and labor cost.

Two sets of sterile robots adopt cooperative control technology, successfully realized full automation for process of pre-filling syringes such as film tearing, inner lining removing, filling, stoppering, weighing and etc. further improved production speed. The unmanned operation avoids risk of cross contamination.

Adopts six-degree-of-freedom articulated robot, can finish complicated movement and path switching, one set of system can meet requirement of different sizes from 0.5ml to 20ml. It is suitable for cartridges, vials through changing size parts, fully meet requirement of flexible production, highly improve utilization of production system.

Repositioning accuracy of robot can reach $\pm 0.02\text{mm}$, orientation and transfer are more accurate, highly improves stability of the equipment.

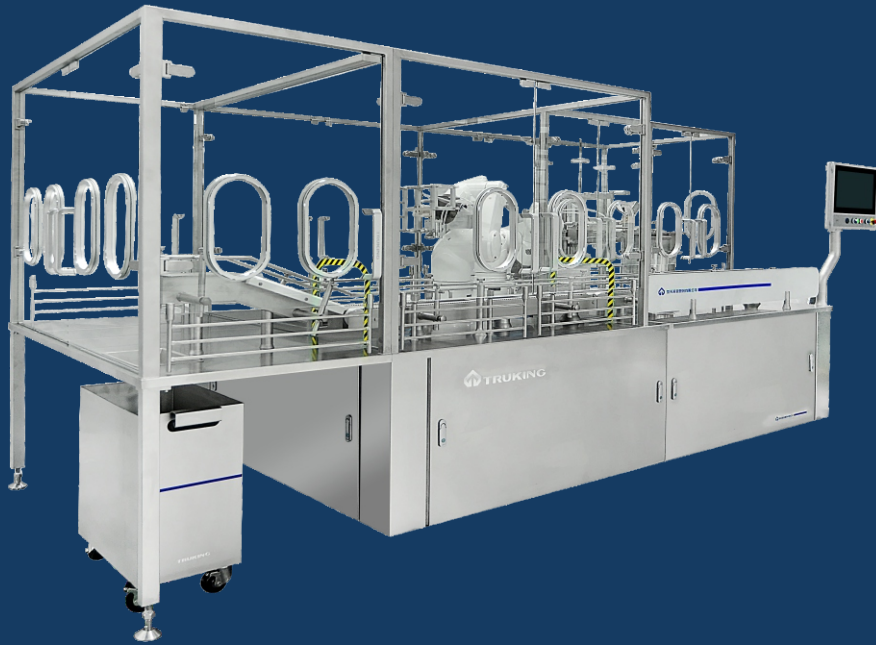
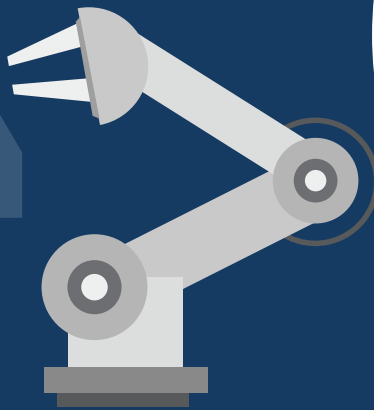
Robot body adopts clean process design, strictly tested and certificated by bioquell, lifetime maintain free, suitable for VHP sterilization, fully meet requirement of A grade sterile production under GMP standard.

Integrated and extended many advanced technologies, combining modern filling principle. It can be equipped with CIP/SIP as optional, meet EU cGMP, US FDA and other international standard.

Truking owns independent intellectual property rights, and owns more than 10 utility-model patents and invention patents on driving structure principle and appearance. It is at international leading level.



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Model	Suitable sizes	Output	Line space between trays	Syringes in each tray	Stoppering and filling heads	Power	Weight	Overall dimension
SFSR2	0.5-20ml Syringe	400-3600 pcs/h	19.05×16.5 mm	100 (10X10)	2	13 kW	2000kg	4300×1430×1900 mm
SFSR5	0.5-20ml Syringe	1000-9000 pcs/h	19.05×16.5 mm	100 (10X10)	5	14 kW	2000kg	4300×1430×1900 mm
SFSR10	0.5-20ml Syringe	1800-18000 pcs/h	19.05×16.5 mm	100 (10X10)	10	16 kW	2000kg	4300×1430×1900 mm

