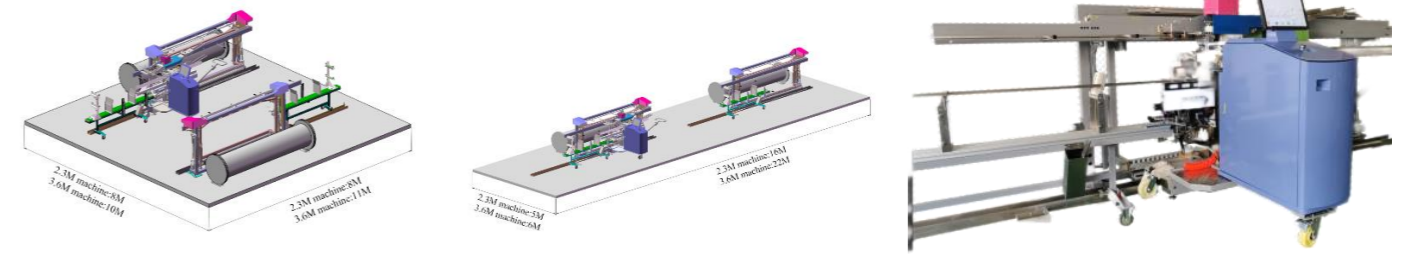


# HDS5800+/HDS5900

## AUTOMATIC WARP DRAW-IN MACHINE

Model HDS5800+/HDS5900 is a perfect automatic draw-in system for filament yarns, such as for weaving outdoor fabrics, lining fabrics, home textiles and industrial glass fiber fabrics.

It's developed on our own high-speed platform, with cutting edge computer control and programming technologies, supporting single-operator operation, increases working efficiency by 30% under same circumstance. Modularization and continuous updatable system enable the machine to keep pace with the ever-changing market demands. The system applies DVI (Dynamic Vision Inspection) and AI (Artificial Intelligence), which provides high recognition and positioning accuracy in complicated environment, and improves the working efficiency.



TECHNICAL DATA			
HDS5800+/HDS5900 WIDTH		2.3M	3.6M
standard	configuration for max warp beam width	230	360
	draw-in head		●
	warp yarn lease condition option (with lease or without lease)		●
	heddle separating module with two guide rails		●
	max heddle frame (O type heddle)	12(HDS5800+)/16(HDS5900)	
	control module with draw-in head and drive		●
	reed module (standard range)		●
	double draw-in frame configuration		●
	multi-end alarm		●
	multi-color cycle monitoring and control (up to 9 colors)		○
	leasing module		○
	direct selecting module		○
	reed module (thin reed) for reed with density >350 dents/10cm		○
	Ethernet/TCP/IP network connections are used to transfer programs and running data		○
draw-in speed	stable speed HDS5800+@ 210 ends/min, HDS5900@ 260 ends/min		●
yarn detail	5-3200d		●
warp	maximum nominal width [cm]	230	360
	upper & lower warp beams module/cable module		○
heddle	heddle length	220mm - 330 mm	●
	heddle thickness	0.25mm - 0.65 mm	●
	type	single/double column, plastic or steel (o type)	●
	heddle eyelet	min 1.2x5.5 mm	●
	heddle eyelet deviation	max 10 mm	●
reed	max reed width [cm]	230-250	360-380
	reed (standard)	20 to 350 dents/10cm	●
	reed (thin reed)	351 to 450 dents/10cm	○
	reed dent height	40 to 100 mm	●
	reed height	80 to 150 mm	●
	reed form	reed, profile reed, or double reed	●
PRODUCTION CYCLE			
(as per optimized configuration, below date based on 1 draw-in machine+2 draw-in frames+2 operators in 24 hours)			
Application	Industrial fabric	Fashion fabric	Home textiles
warp end no	8000	12500	20000
preparation time	0	0	0
starting time	1.5	1.5	2
draw-in time	32	55	95
finishing time	1.5	1.5	2
total time	35	58	99
draw-in ends in 24 hours	280000	300000	315000