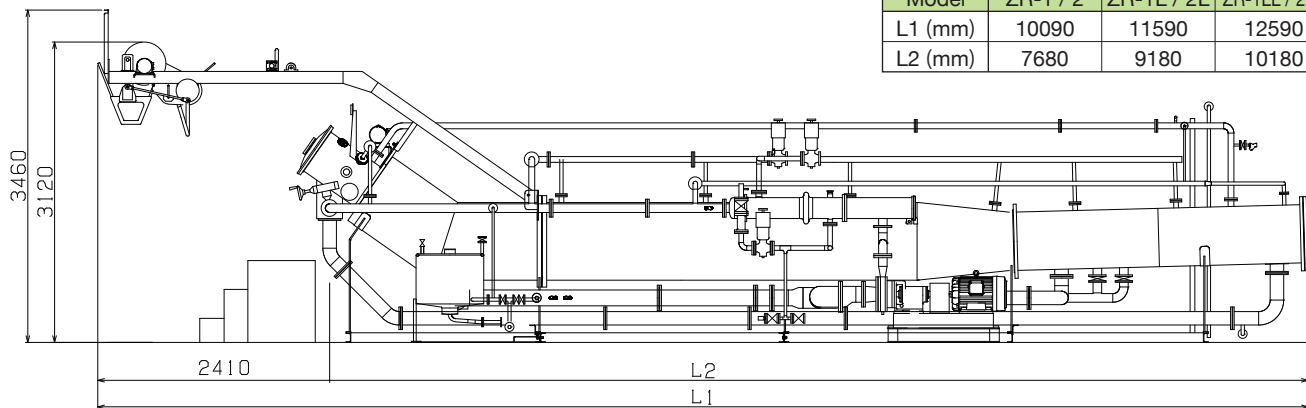
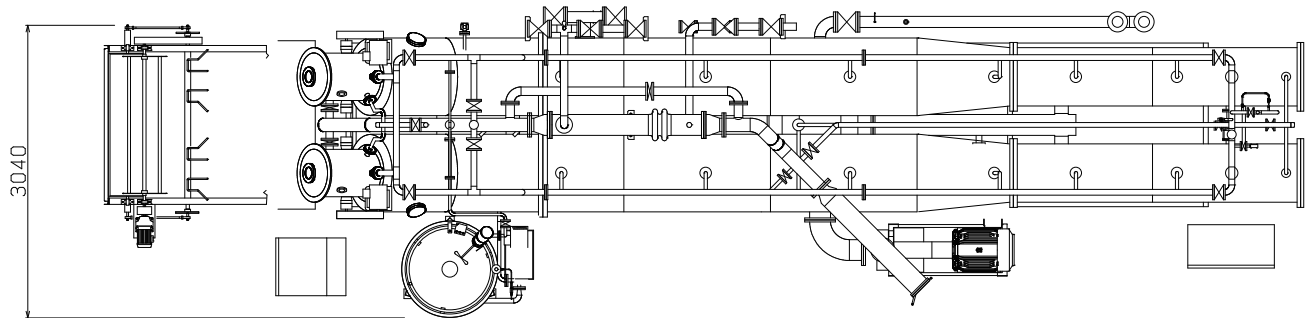
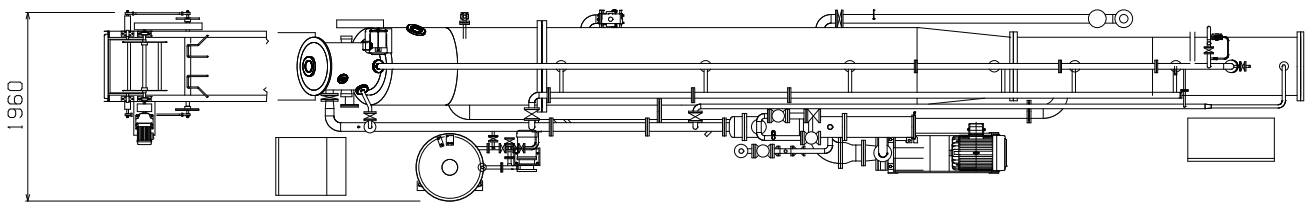


Model
CUT ZR

ZeRo Rapid Circular



Model	ZR-1 / 2	ZR-1L / 2L	ZR-1LL / 2LL
L1 (mm)	10090	11590	12590
L2 (mm)	7680	9180	10180

■Performance (Subject to the kind of Fabrics)

Item	Model	ZR-1	ZR-1L	ZR-1LL	ZR-2	ZR-2L	ZR-2LL
Liquor (Lit)		1000-1500	1350-2000	1800-2300	2000-3000	2700-4000	3600-4600
Capacity (kg)		135-240	180-330	240-400	270-480	360-660	480-800
Max.W.Temperature		140°C					
Max.W.Pressure		0.49MPa					
Power (kW / hr)		32-33	32-33	32-33	59-60	59-60	59-60
Heating Rate 50-130°C		20min (By 0.8MPa saturated steam)					
Cooling Rate 130-90°C		15min (By 20°C cooling water)					

All product details, including appearance and specifications, presented in this brochure are subject to change for improvement without prior notice.

HISAKA WORKS, LTD., Process Engineering
Division is both ISO9001 and ISO14001 certified.
HISAKA WORKS, LTD., Ikoma Plant is
ISO45001 certified.

 **HISAKA WORKS, LTD.** Process Engineering Division

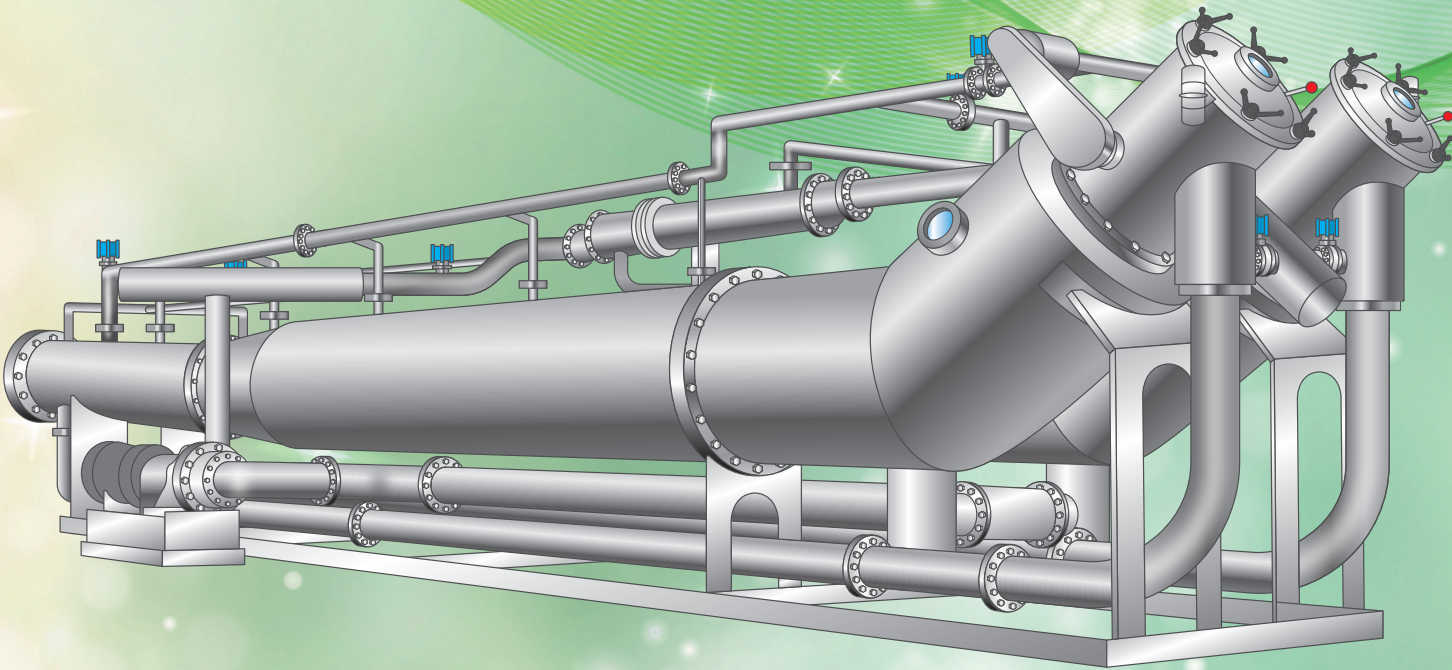
Dyeing & Finishing Machinery /
Ikoma Plant: 8916-10, Takayama-cho, Ikoma City, Nara 630-0101 Japan
TEL : +81-743-25-2902 FAX : +81-743-25-2912
<https://www.hisaka.co.jp/english/textile/>



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Model
CUT ZR

ZeRo Rapid Circular



with hopeful technology
HISAKA

ZERO Rapid Circular

An environmentally-friendly new type of Circular that does not required excess water.

In combination with High-Performance options, it contributes to further energy saving and productivity improvement of Dyeing Factory.

Comparison with conventional machines

①PET/PU (Knit)		Weight of Fabric:400 (g / m)				
	Machine	Fabric Length (m / tube)	Capacity (kg / tube)	Liquor (Lit)	Liquor Ratio	
Conventional machine	CUT-MR-2LL	630	252	3000	1 : 6	
ZR	CUT-ZR-1LL	630×2ropes	504	2000	1 : 4	

②PET100% (Fabric)		Weight of Fabric:300 (g / m)				
	Machine	Fabric Length (m / tube)	Capacity (kg / tube)	Liquor (Lit)	Liquor Ratio	
Conventional machine	CUT-MF-2L	280	84	2000	1 : 11.9	
ZR	CUT-ZR-1LL	1365	410	2400	1 : 5.9	

③PET100% (Knit)		Weight of Fabric:530 (g / m)				
	Machine	Fabric Length (m / tube)	Capacity (kg / tube)	Liquor (Lit)	Liquor Ratio	
Conventional machine	CUT-AR-2LL	500	265	4000	1 : 7.5	
ZR	CUT-ZR-1LL	620	330	1800	1 : 5.5	

④PET/CDP (Knit)		Weight of Fabric:200 (g / m)				
	Machine	Fabric Length (m / tube)	Capacity (kg / tube)	Liquor (Lit)	Liquor Ratio	
Conventional machine	CUT-SX-2L	480	96	3000	1 : 15.6	
ZR	CUT-ZR-1L	600×2ropes	240	2000	1 : 8.3	

⑤ PET100% (Fabric)		Weight of Fabric:65 (g / m)				
	Machine	Fabric Length (m / tube)	Capacity (kg / tube)	Liquor (Lit)	Liquor Ratio	
Conventional machine	CUT-MR-1L	1200	78	1200	1 : 15.4	
ZR	CUT-ZR-1LL	1200×2ropes	156	2000	1 : 12.8	

⑥Cotton100% (Knit)		Weight of Fabric:420 (g / m)				
	Machine	Fabric Length (m / tube)	Capacity (kg / tube)	Liquor (Lit)	Liquor Ratio	
Conventional machine	CUT-MR-2	190	80	2400	1 : 15	
ZR	CUT-ZR-1LL	350×2ropes	294	3300	1 : 11.2	

Other Option

- pH Control System
 - Production Control System
 - High Temperature Discharge & Rinsing System HTRS
 - Automatic Setting System EDICS
- Dyestuff Dissolving Device HDE
 - Low Liquid Washing System LLR
 - Dye-Kitchen System
 - Waste Heat Recovery System

Model CUT-ZR

Energy Saving (less water and less energy)

- It realizes low liquor ratio by new structures.
EX) Liquor Ratio for PET (Knit) 1:4~6

Reduction of Dyeing Trouble / Reproducibility Improvement

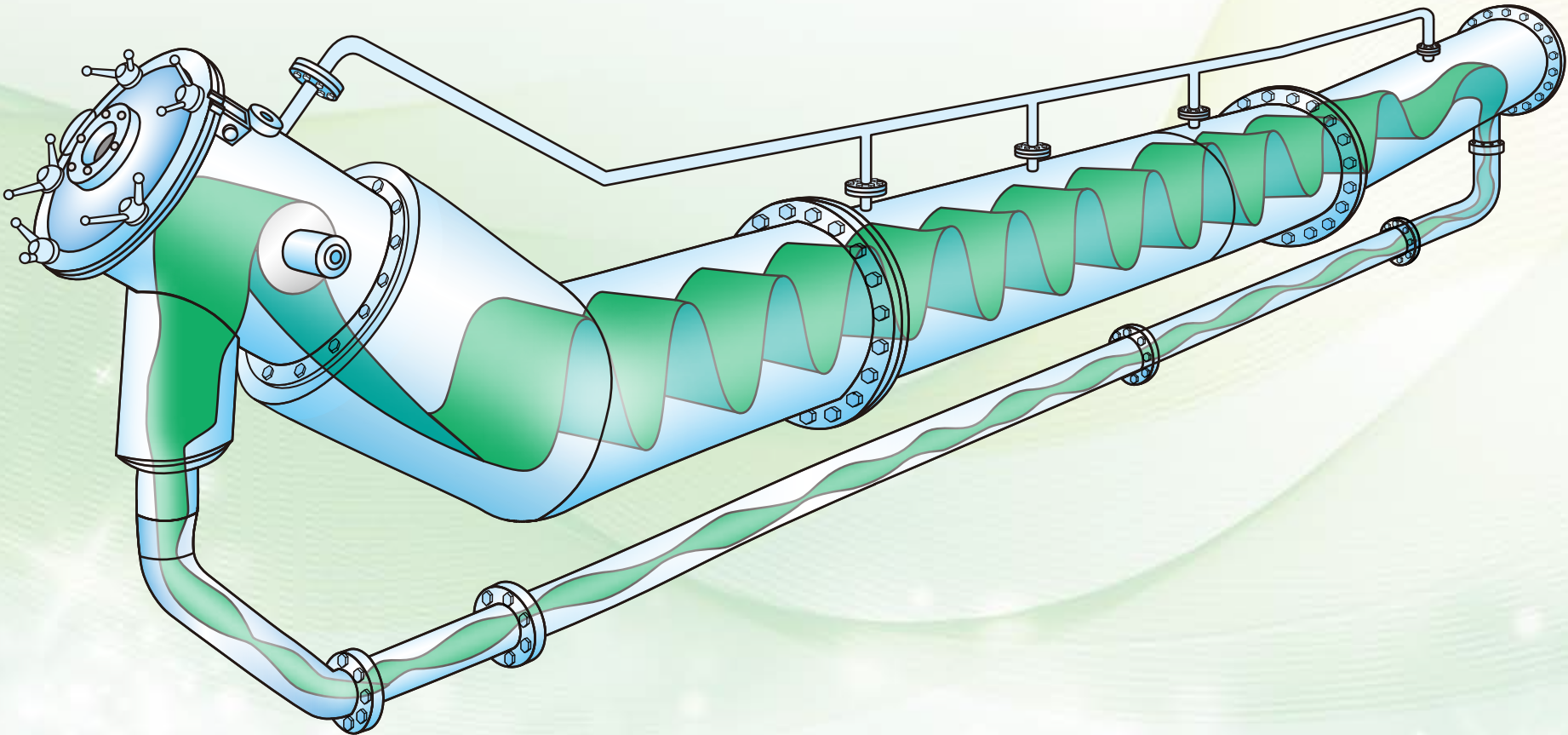
- At low temperature, special inner case eliminates the clogging of the rear part of the chamber.
- New design of the optimum slope in rear part improves fabric transportation smoothly and keeps stable loading condition.
- Problems such as Pilling, Friction mark and Crease mark are eliminated.

Productivity Improvement

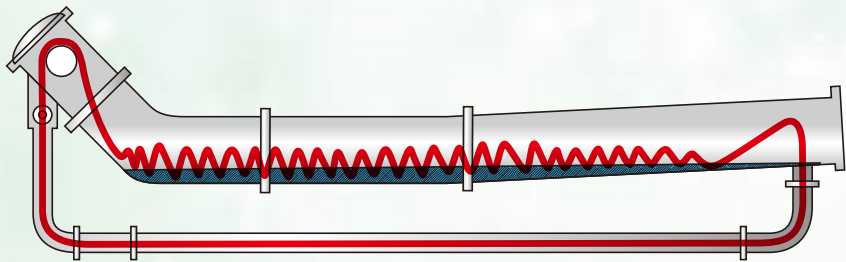
- By loading the two ropes, it enables shortening of processing time.

Easy Operation / Space Saving Design

Simple structure with operability improvement realizes reduction of losses and workloads.
Easy installation and Compact design of various High-Performance systems.



Adaptive Circulation Control System Option



This system is monitoring the running conditions and detects problems in advance. It contributes to stable quality by properly controlling a stagnation of fabrics.