

HISAKA

DYEING AND FINISHING MACHINERY

Coloring our life by dyeing of various fiber materials and
the value-added processing

HISAKA' s worldwide brand "Circular" is synonymous with the liquid flow Dyeing machine.
The performance and reliability of the "Circular" Dyeing machines are acclaimed worldwide and obtained overwhelming market share of the dyeing of various types of industrial materials such as various clothing and automobile interior materials. As a result, we have also gained a greater trust in a wide range of processing areas other than dyeing.
HISAKA provides unmanned and streamlined yarn dyeing machine of high-class clothing materials. In doing so, HISAKA incorporates the production control system that streamlines all process flows from acceptance to shipment so as to support production of various kinds of material in smaller lots as well as the environmental improvement of Dye Works.

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

Dyeing & Finishing Machinery /

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DF-CE000302
25.08.500 CHB



Circular SERIES

JET DYEING MACHINE
CUT-SQ

JET DYEING MACHINE
CUT-XF/MR/CF

JET DYEING MACHINE
CUT-ZR/GZ

JET DYEING MACHINE
CUT-SG

JET DYEING MACHINE
CUT-SP/CL

JET DYEING MACHINE
CUT-XF-M/MR-M/CF-M

JET DYEING MACHINE

MODEL CUT-SQ

- Wide Application
- Jet Dyeing Machine with Water-Saving Mechanism

Environmentally Friendly Products

- Save Energy & Reduce Production Time
- Enhances the Production Environment



JET DYEING MACHINE

MODEL CUT-XF/MR/CF

- Wide Application
- Jet Dyeing Machine

Model XF : For overseas Model MR : For Japan
Model CF : Produced by HISAKA(CHINA)



JET DYEING MACHINE

MODEL CUT-ZR/GZ

- High-Capacity Model
- Jet Dyeing Machine

Environmentally Friendly Products

- Energy Saving
- Improved Productivity
- Reduction of Human Error & Enhanced Reproducibility
- Easy Operation & Space-Saving Design

Model GZ : Produced by HISAKA(CHINA)



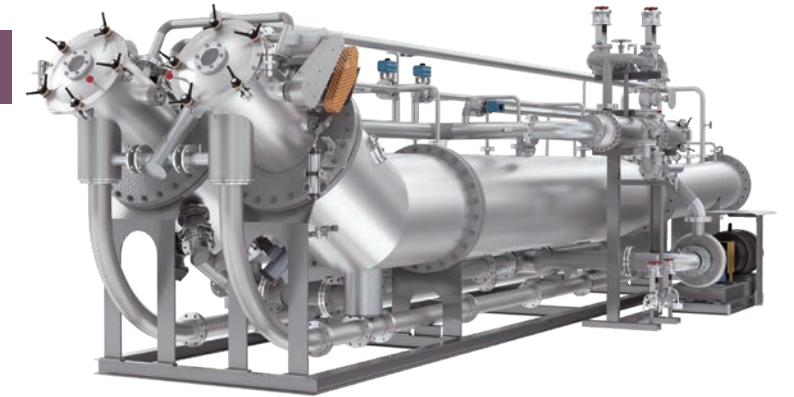
JET DYEING MACHINE

MODEL CUT-SG

- Latest High-Capacity Model
- Jet Dyeing Machine with Water-Saving Mechanism

Environmentally Friendly Products

- Save Energy & Reduce Production Time
- Enhances the Production Environment

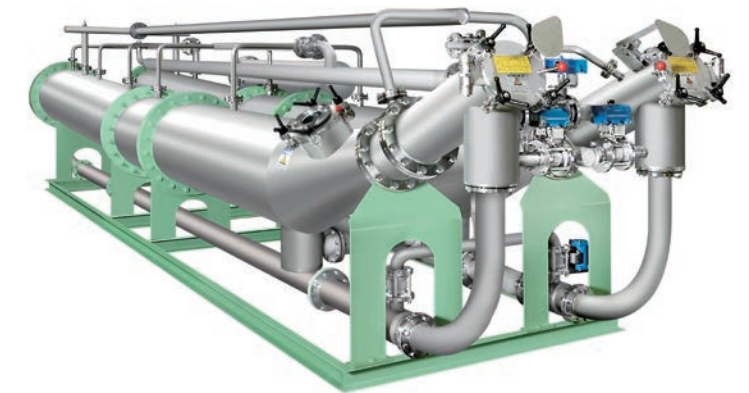


JET DYEING MACHINE

MODEL CUT-SP/CL

- Special Jet Dyeing Machine for Light Fabric

Model SP : For overseas and Japan
Model CL : Produced by HISAKA(CHINA)



JET DYEING MACHINE TEST MACHINE

MODEL CUT-XF-M/MR-M/CF-M

- Testing Jet Dyeing Machine

Model XF-M : For overseas Model MR-M : For Japan
Model CF-M : Produced by HISAKA(CHINA)



Other Machine SERIES

HIGH PRESSURE AIR FLOW PROCESSING MACHINE

AJ

HIGH PRESSURE "PACKAGE DYEING MACHINE"

LLC

HIGH PRESSURE ROTARY DRUM DYEING MACHINE

RDM

HIGH PRESSURE BEAM DYEING MACHINE

LLB

HIGH PRESSURE DRYING MACHINE

UEFC

■ HIGH PRESSURE AIR FLOW PROCESSING MACHINE

MODEL — **AJ**

Multi Purpose Processing Machine

New Circular with easy operation and space saving design

Airflow processing with high pressure kneading functions enables processing such as special texture and uniform fibrillation of all materials, providing new added value for processing of synthetic, composite, and natural fibers. In addition, dyeing, weight reduction, and relaxing/untwisting processes at low liquid ratios contribute to energy conservation and reduce the drainage treatment.



■ HIGH PRESSURE "PACKAGE DYEING MACHINE"

MODEL — **LLC**

Low Liquor Level Dyeing Machine

Achieving high productivity in the scouring and dyeing of all pre-dyed products

From natural to composite fibers, in the scouring and dyeing of all pre-dyed products such as a cheese, warp beam, top/hank, loose/muff, high productivity is realized, and low liquid ratio dyeing, labor saving, and unmanned operation can be achieved. In combination with the various incidental facilities, further reproducibility improvement and cost saving can be achieved. In addition, it is possible to select a wide range of optimal capacities from testing to large capacities, depending on the processing capacity.



■ HIGH PRESSURE ROTARY DRUM DYEING MACHINE

MODEL — **RDM**

Goods and Piece Dyeing Machine

Optimal for a wide range of varieties, from natural to synthetic fibers, and from textiles to knitted products.

It is mainly used for dyeing and special processing of products and semi-finished products such as inners, T-shirts, and towels, and is also used for promotional samples and for confirmation of faults in gray fabrics. The compact design saves space and allows for easy operation, as well as optional dehydration and drying is also possible.



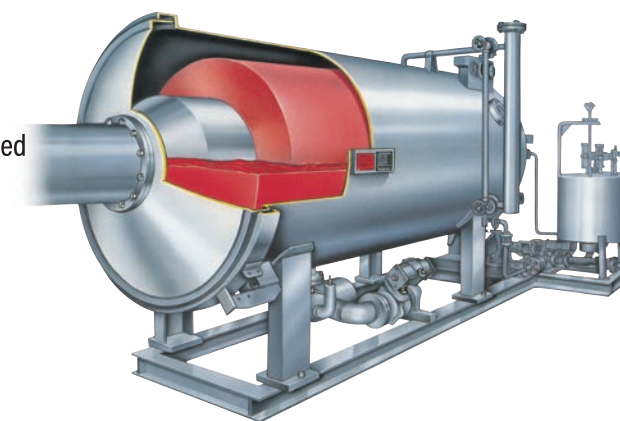
■ HIGH PRESSURE BEAM DYEING MACHINE

MODEL — **LLB**

Low Liquor Ratio Dyeing Machine

Adding of a high performance, labor saving unmanned system offers further increases in efficiency.

Allowing dye processing of materials from low density nonwoven and shirting fabric to high density taffeta. The rapid dyeing and reduced accident rate improve productivity, and low liquid ratios reduce running costs, support the introduction of labor saving and unmanned equipment.



■ HIGH PRESSURE DRYING MACHINE

MODEL — **UEFC**

Rapid Hydro-Extract Drying Machine

Drying the product evenly in a short time

Increased air flow and mist separation effect (complete separation of moisture in the air) allow cheese and warp beams to be dried uniformly in a short time. The double blower structure offers three choices of connected, parallel, and independent operation, and provides high efficiency dehydration and drying. The effective method can be selected depending on the type of yarn and the winding density, and also small-volume drying and pair drying is available.



Optional Device SERIES

HIGH TEMPERATURE
DISCHARGE RINSING SYSTEM (ACCS)

HIGH TEMPERATURE DISCHARGE
RINSING SYSTEM (HTDR)

pH CONTROL SYSTEM

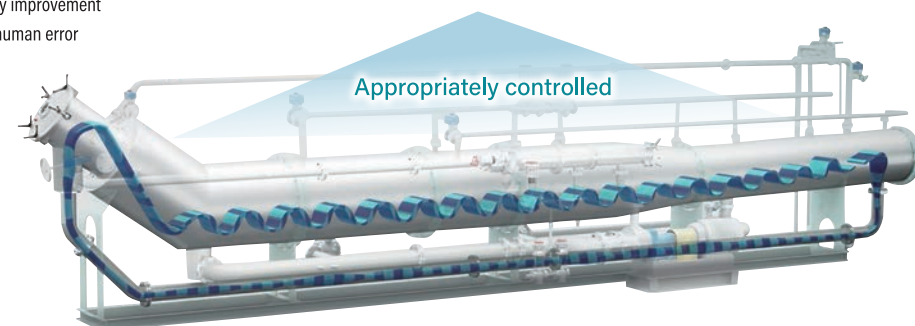
AUTOMATIC WEIGHT REDUCTION DEVICE (HWR)

WASTE HEAT RECOVERY SYSTEM

DYE KITCHEN SYSTEM AND
PRODUCTION CONTROL SYSTEM

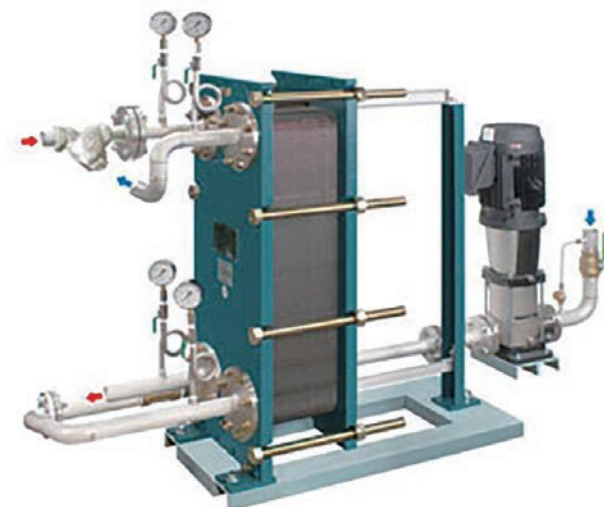
ADAPTIVE CIRCULATION CONTROL SYSTEM (ACCS)

- High quality products
- Reproducibility improvement
- Reduction of human error



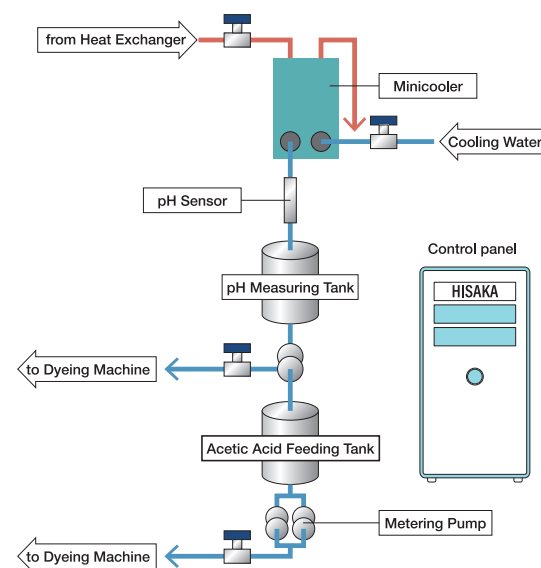
HIGH TEMPERATURE DISCHARGE RINSING SYSTEM (HTDR)

- Time shortening
- Water saving
- Productivity improvement



pH CONTROL SYSTEM

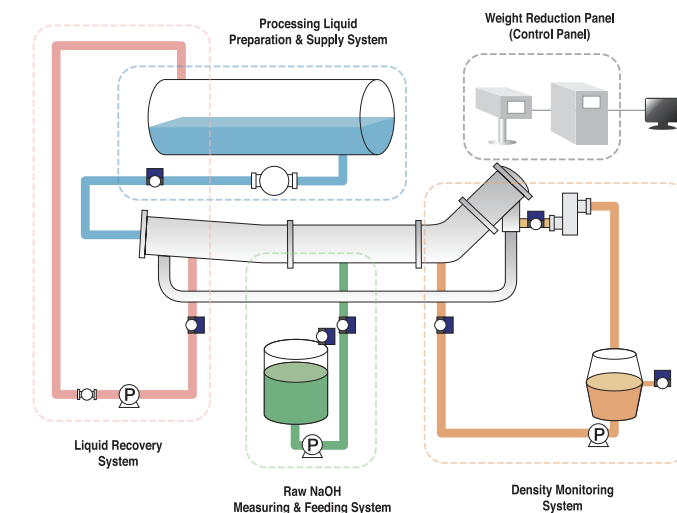
- Reproducibility improvement
- Time shortening



AUTOMATIC WEIGHT REDUCTION DEVICE (HWR)



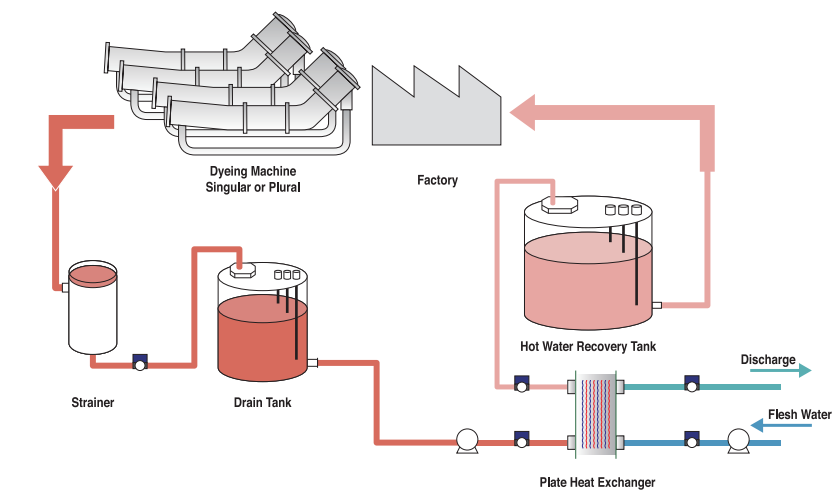
- High quality products
- Reproducibility improvement
- Reduction of human error



WASTE HEAT RECOVERY SYSTEM



- Saving energy

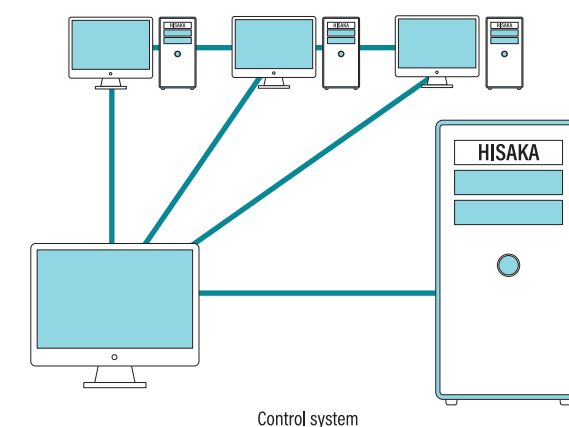


DYE KITCHEN SYSTEM AND PRODUCTION CONTROL SYSTEM



Powder Dyestuff Measuring Equipment

- Work environment improvement
- Reproducibility improvement
- Reduction of human error



Control system