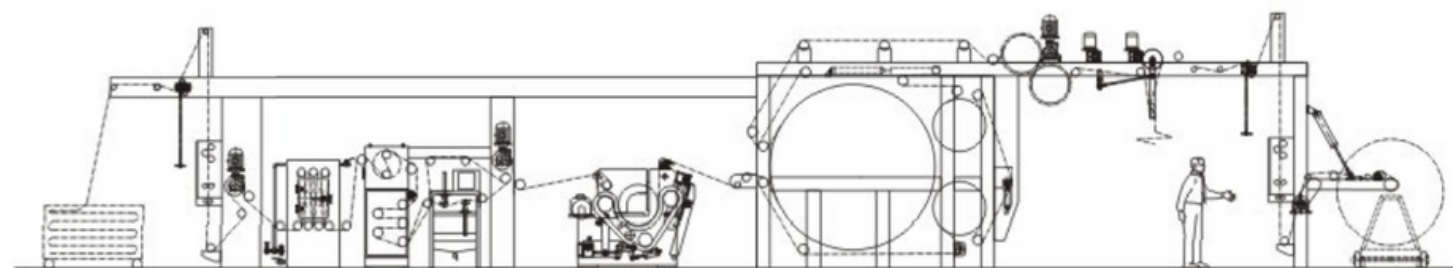


# Sanforizer

Shrinking range for  
woven/denim fabrics

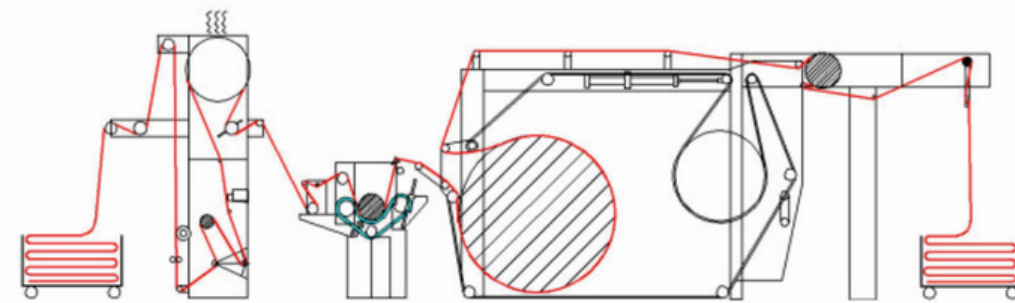
**KUMA**  
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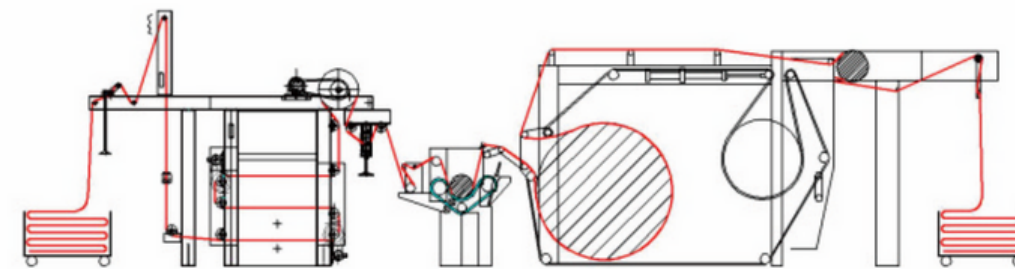
# Machine variations depending on different fabric requirements

High duty rubber belt unit for the compressive shrink of various kinds of materials. running in combination with a felt drying calandar for a smooth drying and improvement of the hand feeling

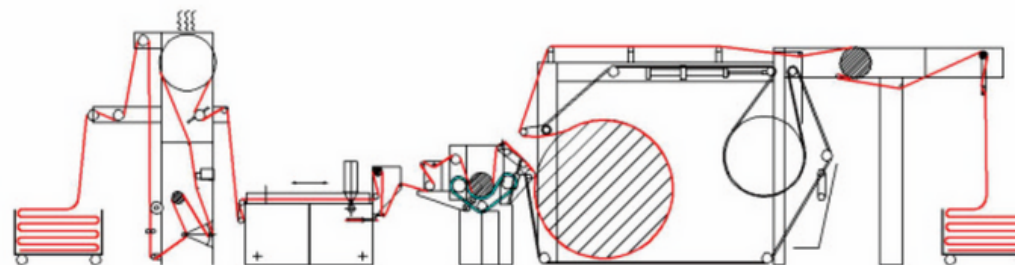
## Woven fabric process



shrinking range with steaming cylinder water sprayer

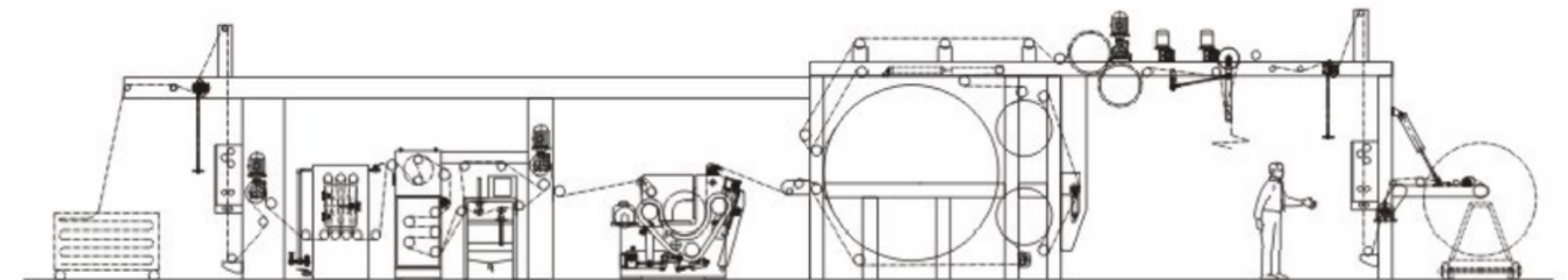


shrinking range with steaming boxer

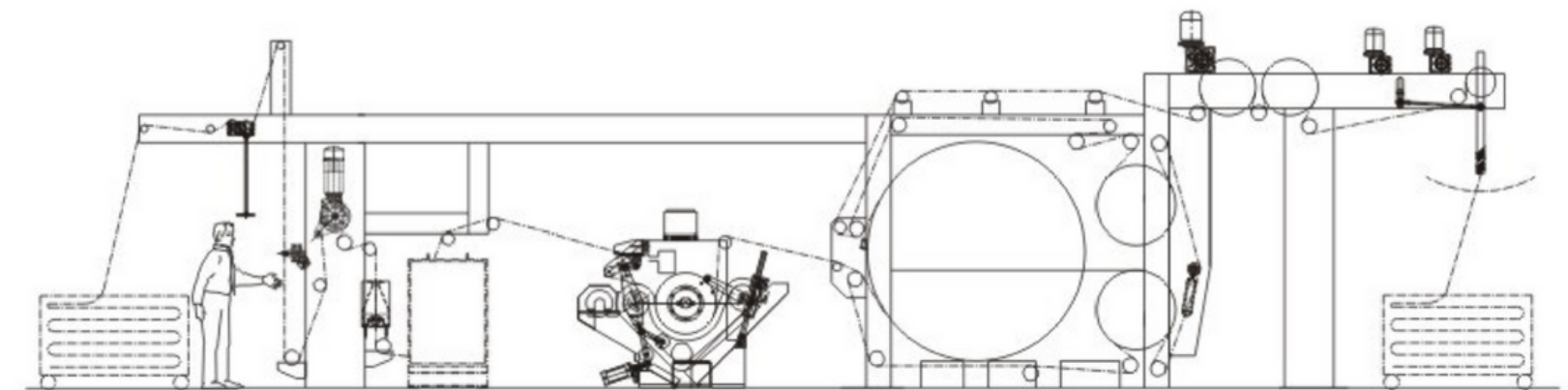


shrinking range with clip stretching filed

## Denim fabric process



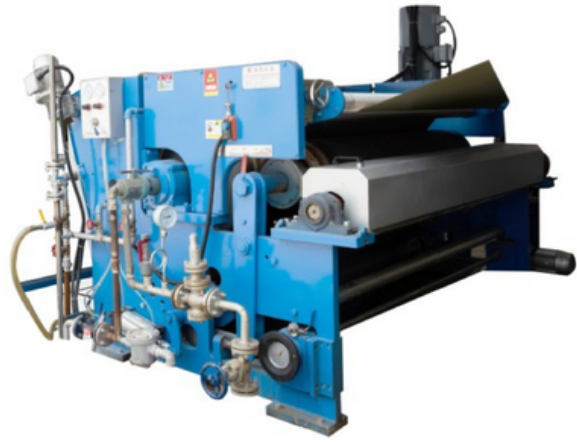
shrinking range with rectifying unit



shrinking range with weft straightener



# Paremeters and characteristics



## Rubber belt shrinking unit

High pre-shrinking capacity, optional automatic temperature control device, automatic detection and control of surface problems on the pressure roller through a wireless transmission system



The incoming cloth dividing roller is finely machined from stainless steel tubes with a high degree of finish. The rubber grinding rollers are placed directly on the machine and do not need to be removed, reducing the workload when grinding rubber blankets on a daily basis. Multiple safety protection measures to ensure the personal safety of the operator

## Felt calander

The felt calander is finely ground by a special grinder to ensure the flatness of the fabric and the unique grain style of the fabric itself, automatic detection of the blanket runout, automatic correction of the cylinder, fast action, accurate correction of deviation. The fabric outlet can be equipped with a cold water roller, which can quickly cool the fabric and stabilise the shrinkage rate of the fabric.



## cylinder water sprayer

The saturated steam fully penetrates the fabric, so that the fabric obtains uniform humidity, and the special design completely eliminates the staining of the fabric by dripping water from the drying cylinder.



## Steaming box

Uniform distribution of saturated steam, high moisture content and high fabric surface temperature for large shrinkage rates



## Centrifugal disc wetting

High-speed disc spray for wetting, even wetting, the amount of wetting is adjusted automatically and precisely with the change of vehicle speed



## Dust Collector

Effective collection of dust from the grinding of rubber carpets, no need to clean after sanding, eliminates rubber residue caused by the phenomenon of rubber loss, dust-free sanding



# Major technical date

# Technical features



Machine hand	right/left hand
Roller width	1800mm-3400mm
Machine speed	8-80m/min
Heating source	steam
Shrinking capacity	~18%
Drive technology	AC inverter synchro

All drives with AC motor frequency controlled, permanent speed control and uniform shrinkage
constant fabric tension during stop and restart
All bearings are placed outside of the wet area to avoid corrosion
PLC control for the machine operation
touch screen monitor for the convenient adjustment of the process parameters display
storage of process, fault alarm.



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