

FULL
SYNTHETIC
SIZING COMPOUND



LOWER CONCENTRATION ● DIRECT DYEING ● HOT WATER DESIZING

CERTIFIED:
OEKO-TEX®
CONFIDENCE IN TEXTILES
ECO PASSPORT 

product of:

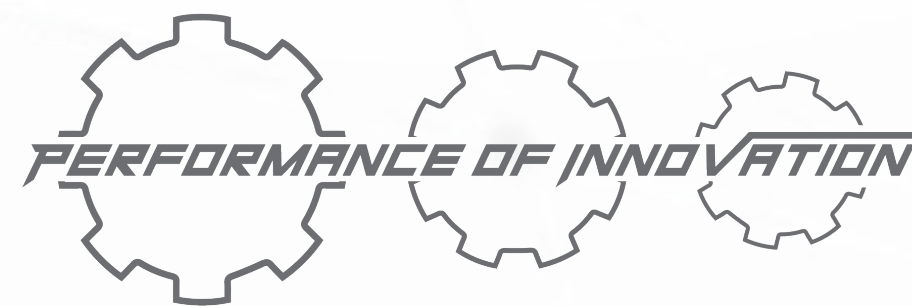


KIMUDA





FULL
SYNTHETIC
SIZING COMPOUND



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product of: 
KIMUDA

OUTLINE

- **INTRODUCTION TO V37**
- PRODUCT DESCRIPTION
- UNIQUENESS IN PROCESS WITH V-37
- KEY BENEFIT POINTS OF V-37
- PERFORMANCE COMPARISON
- V-37'S POTENTIAL BENEFIT FOR BUSINESS

INTRODUCTION TO V37

01

APPLICABLE TO ALL TYPE OF SPUN YARN.

with mono-component or starch-combined usage.

MONO-COMPONENT USAGE.

Highly recommended for clean fiber such as PE, TR, Rayon; or pre-dyed Cotton spun yarn.


Mono-component usage gives users **the most benefit of V-37.**

STARCH-COMBINED USAGE.

Mostly used only for raw cotton spun yarn and its blend.

Starch-mixed usage mostly applied when hot water desizing or direct dyeing benefit is not expected by user



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OUTLINE

PRODUCT DESCRIPTION

KEY BENEFIT POINTS OF V-37

V-37'S POTENTIAL BENEFIT
FOR BUSINESS

● INTRODUCTION TO V37

● UNIQUENESS IN PROCESS WITH V-37

● PERFORMANCE COMPARISON

●

PRODUCT DESCRIPTION



FULL SYNTHETIC SIZING COMPOUND

Name : VECTOR V-37
 Varian : FULL SYNTHETIC SIZING CHEMICAL
 Form : POWDER
 Characteristic : HIGH VISCOSITY - HIGH PURITY
 Application : CLEAN FIBER - PE, RAYON, TR, PRE-DYED COTTON
 : OTHERS - RAW COTTON SPUN YARN & ITS BLEND

Viscosity

Unit	Value	+/-	Content	°C
mPa.s	152.4	5%	8%	90
Second	44.8	5%		

Moisture

2.48%

Ph

Content	°C	Value	+/-
8%	43	6.4	5%

ALL THE ABOVE INFORMATION WERE BASED ON 8% CONCENTRATION (WHICH SHUOLD BE THE MAXIMUM CONCENTRATION NEEDED BY MOST USERS OF V37)



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V37 UNIQUENESS IN WET PROC.

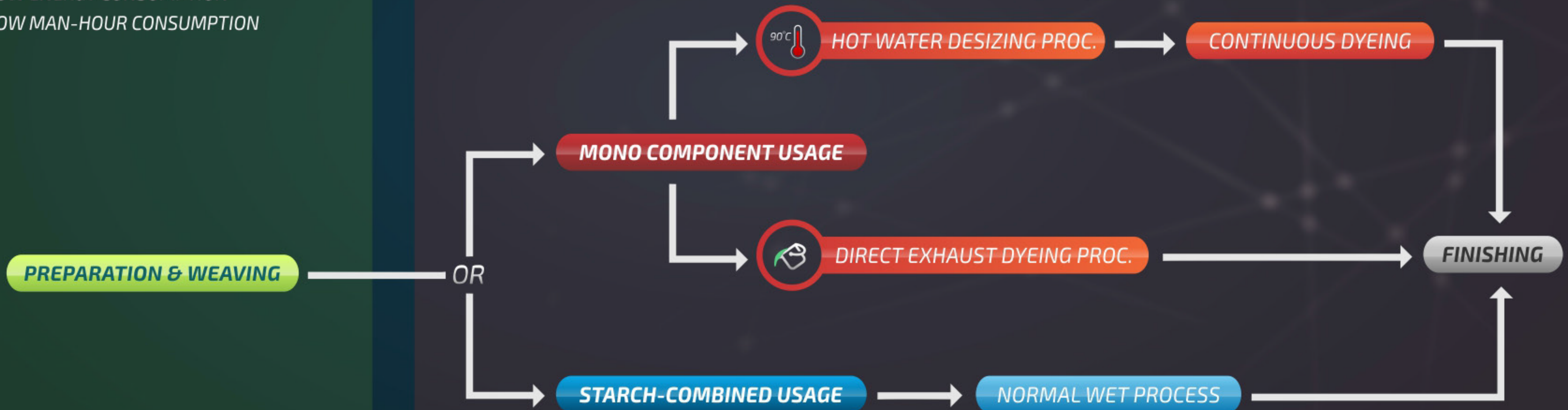
03

PREPARATION & WEAVING PROCESS

- HIGH PERFORMANCE & EFFICIENCY
- LOW CONCENTRATION
- LOW ENERGY CONSUMPTION
- LOW MAN-HOUR CONSUMPTION

WET PROCESS

- LOWER ENERGY CONSUMPTION
- LOWER MAN-HOUR CONSUMPTION
- CHEMICAL COST CUT-DOWN



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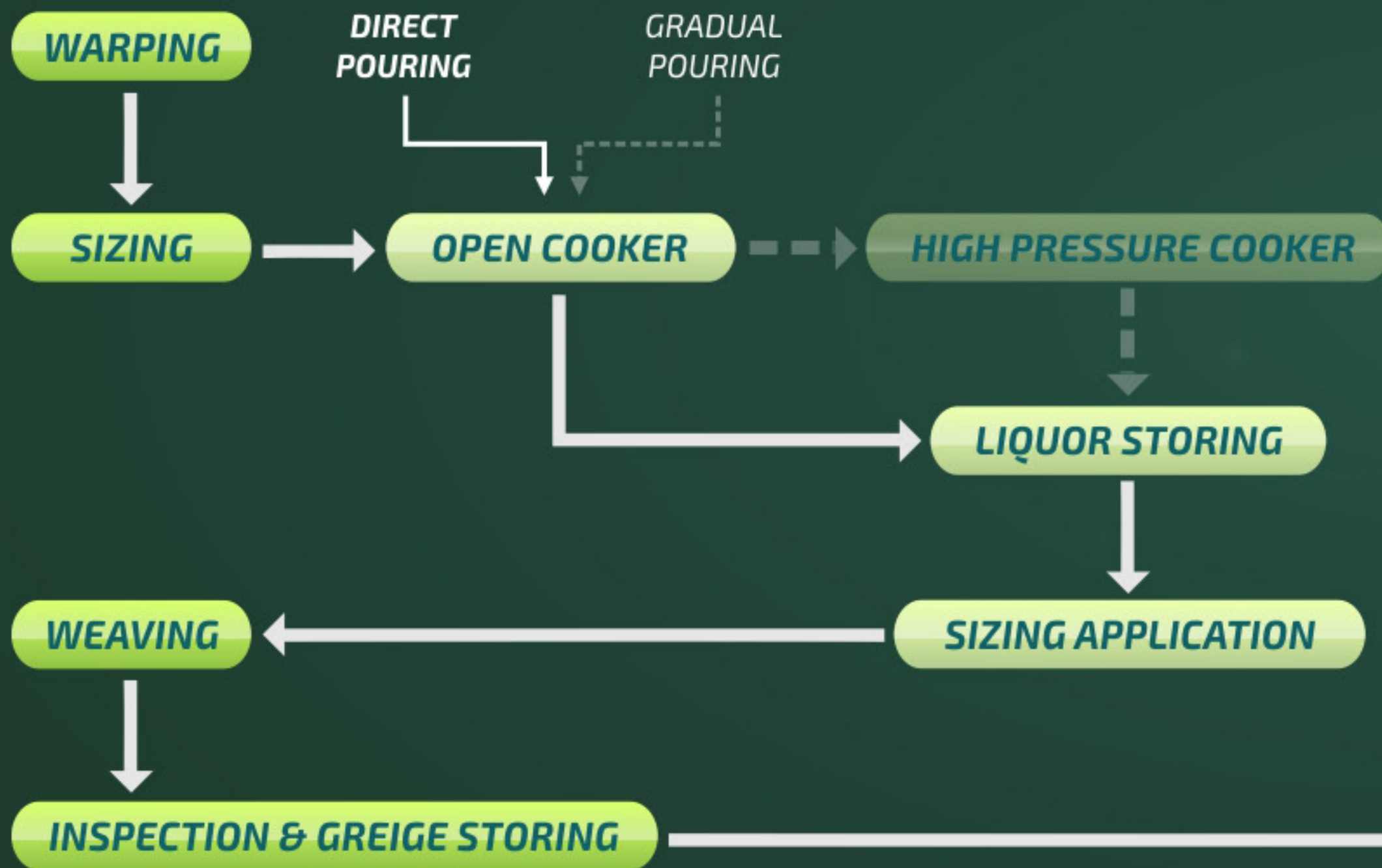


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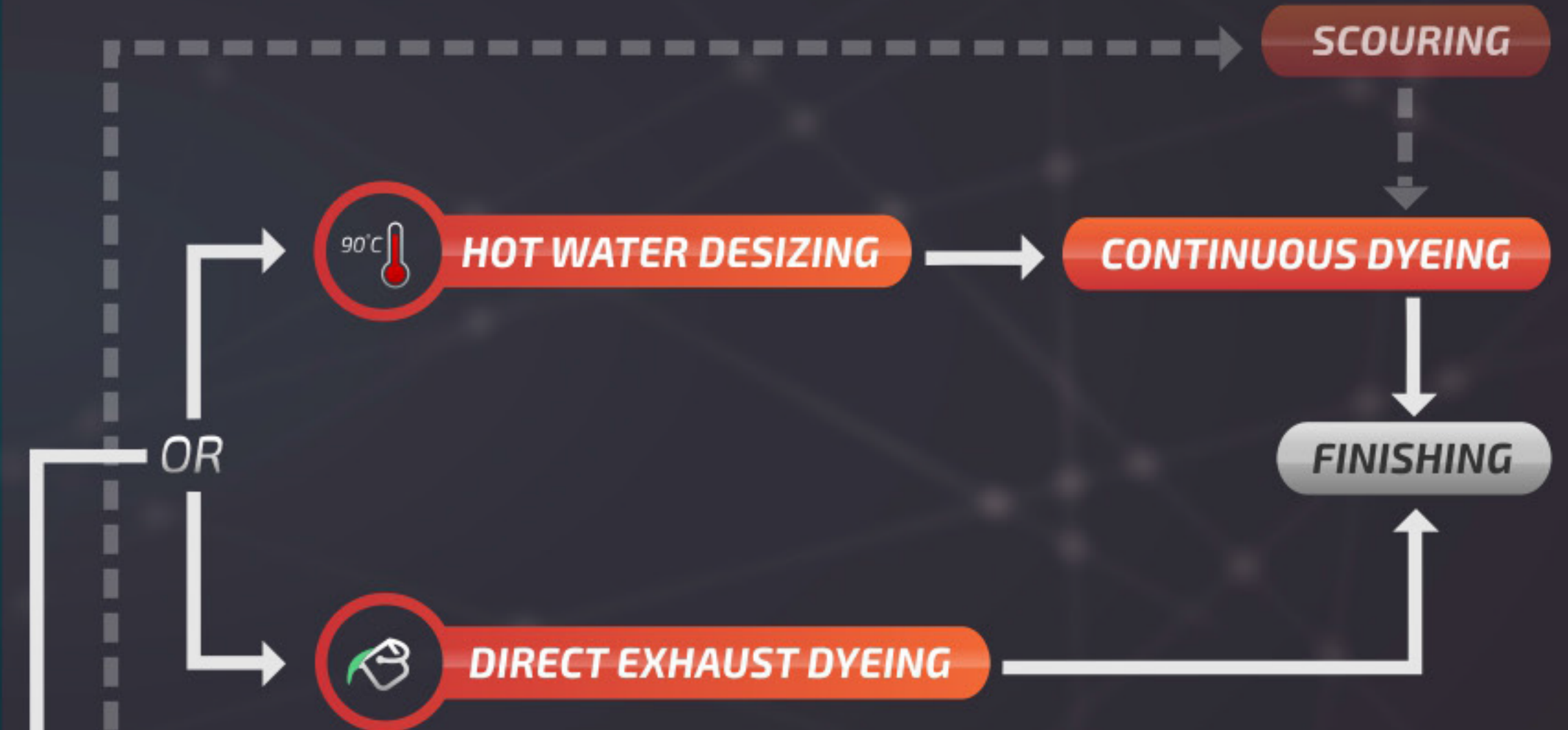
TOTAL PROCESS EFFICIENCY

04

PREPARATION & WEAVING PROCESS



WET PROCESS



*V-37 ENABLES USERS TO CUT-DOWN SEVERAL PROCESS, WHICH MAY LEAD TO BETTER TIME & ENERGY EFFICIENCY



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KEY BENEFIT POINTS OF V37

*V-37 ACCOMMODATES BOTH **PERFORMANCE**
& **EFFICIENCIES** FOR THE USERS



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PERFORMANCE COMPARISON

PREPARATION & WEAVING

VARIABLES	COMMON RECIPE	V37 STARCH-COMB.	V37 MONO-COMP.	ADVANTAGES BRIEF DESC.
Conc. Usage (chem. cost)	★	★★	★★★	Lower conc. ~ lower cost per litter
Cooking Time & Simplicity	★★	★★★	★★★★	Direct pouring + no HPC needed
Risk of volume volatility	★★	★★★	★★★	No HPC needed ~ less vol. volatility risk (from high-steam condensation)
Tank & machine cleanliness	★	★★★	★★★★	V-37 material leaves no / less residual
Tank & machine maintenance	★	★★★	★★★★	Equipment cleaner ~ easier maintenance
Waste contamination	★★	★★★	★★★	Lower conc. + less residual ~ less waste
Weaving & sizing dust	★	★★★	★★★★	High adhesive + covering ability ~ prevent fiber and powder drops
Yarn protection for weaving efficiency	★★	★★★★	★★★★	High adhesive + covering ability ~ better yarn protection & strength

PERFORMANCE COMPARISON

PREPARATION & WEAVING

COMPARISON OF SIZING PREPARATION TIME PROCESS



WITH V37

POURING & PRE- STEER	10'
COOKING	50'
TOTAL	60'

WITH COMMON RECIPE

POURING & PRE- STEER	13'
COOKING	73'
DISCHARGE TO PHC	10'
TOTAL	96'



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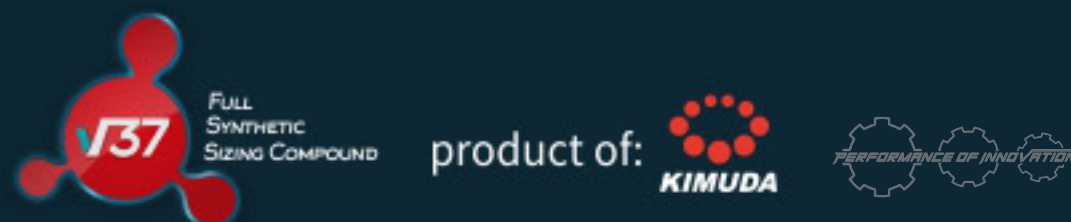


PERFORMANCE COMPARISON

PREPARATION & WEAVING ADVANTAGES SUMMARY

VARIABLES	COMMON RECIPE	V37 STARCH-COMB.	V37 MONO-COMP.	ADVANTAGES BRIEF DESC.
Lower Chemical Cost	★	★★	★★★	Lower conc. ~ lower cost per litter
Efficient Production Time	★★	★★★	★★★★	Direct pouring + no HPC needed + no / less cleaning activity ~ time cutting down
Efficient Man (Labor) Hour	★★	★★★	★★★★	Direct pouring + no HPC needed + no / less cleaning activity ~ time cutting down
Efficient Energy Consumption	★	★★★	★★★★	Faster production time + no HPC needed ~ less steam and electricity consumption
Efficient Maintenance Cost	★★	★★★★	★★★★	Equipment cleaner ~ easier maintenance
Higher Weaving Efficiency	★★	★★★★	★★★★	Less dust + higher adhesive + covering ability ~ better flawless weaving process

V-37 INCREASES BOTH ENERGY & CHEMICAL EFFICIENCY IN-LINE WITH THE HIGHER PERFORMANCE



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BELOW NORMAL ★ ←————→ ★★★★★ EXCELLENT

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PERFORMANCE COMPARISON

WET PROCESS

VARIABLES

Scouring chem. usage
(chem. cost)

Processing time & simplicity

Risk of un-even dyeing due to
un-removed sizing material

Waste contamination

COMMON RECIPE



V37 STARCH-COMB.



V37 MONO-COMP.



ADVANTAGES BRIEF DESC.

Hot water desizing & direct dyeing
~ no scouring chemical usage

Scouring process skipping, either hot water
desizing ~ eliminates time consumption &
number of process

V-37 provides easy removal

Low sizing concentration ~ less waste
contamination



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BELOW NORMAL



EXCELLENT

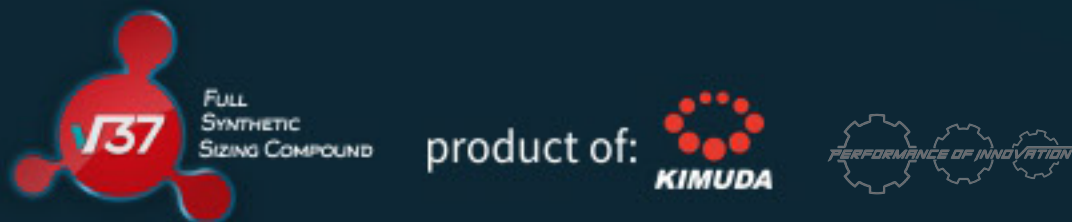
PERFORMANCE COMPARISON

WET PROCESS ADVANTAGES SUMMARY

VARIABLES	COMMON RECIPE	V37 STARCH-COMB.	V37 MONO-COMP.	ADVANTAGES BRIEF DESC.
Lower Chemical Cost	★	★★	★★★	No / less scouring chemical usage ~ chemical cost reduction
Efficient Processing Time	★	★★	★★★★	Scouring process skipping, either hot water desizing ~ eliminates processing time
Efficient Man (Labor) Hour	★	★★	★★★★	Processing time elimination ~ enables labor to give more output per hour
Efficient Energy Consumption	★	★★★	★★★★	Process elimination ~ less steam & electricity consumption
Efficient re-processing cost	★	★★★	★★★★	Lower risk of blocked color absorption ~ lower risk of re-processing activity

V-37 INCREASES BOTH ENERGY & CHEMICAL EFFICIENCY FOR WET PROCESS

BELOW NORMAL ★ ←————→ ★★★★★ EXCELLENT



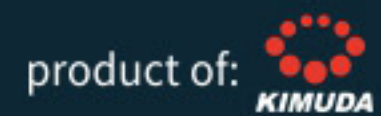
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HOLISTIC POTENTIAL BENEFITS



V-37 GIVES VALUABLE ADVANTAGES BOTH FOR THE EMPLOYEES & THE BUSINESS





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