

NO-STONE WASHING

AT BENGALURU UNIT

Stone washing is used to give a newly manufactured garment a worn-in (or worn-out) appearance. During the stone washing process, pumice stones work like sandpaper to abrade the denims, removing some of the dye particles and enhancing their worn, faded look. This process also makes the denim softer and more flexible.

Along with its benefits, stone washing also poses sustainability challenges. After the stone washing process, the denim is required to be washed several times in order to completely get rid of the grit. This washing process includes chemicals like Anti Back Stain (ABS), enzymes and detergents. Over and above increasing chemical and water consumption, stone washing also enhances carbon footprint, as the stones need to be imported from places like Turkey, Indonesia and Greece. In order to address these challenges, we have innovated and created a **No-Stone System**.

We have replaced the pumice stone with an abrasive drum coating, fastened to the internal drum of the washing machine which can create a number of finishes through flexible abrasion adjustments.

No-Stone System
33%
 lesser water
 consumption

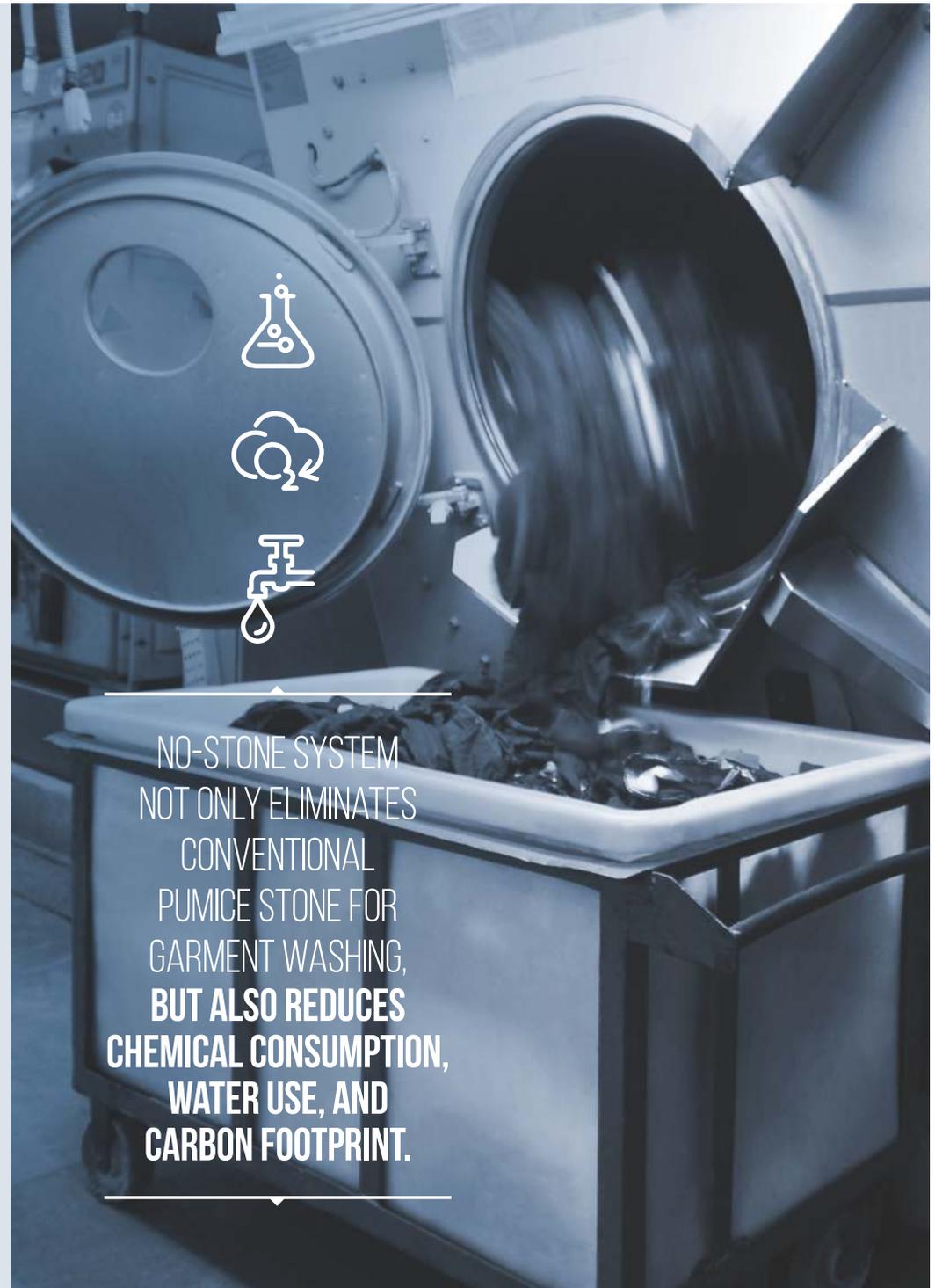


Conventional Pumice Stone Washing System

Innovative No-Stone Washing System

COMPARATIVE STUDY BETWEEN TRADITIONAL STONE WASH AND THE NO-STONE SYSTEM

Parameter	Traditional Stonewash	No-Stone System
No. of Garments	80 pieces	80 pieces
Garment Load	~ 80 kg	~ 80 kg
Pumice Stone Load	160 kg	0
Water Consumption	4,200 litre	2,800 litre
Chemical Consumption		
- ABS	1.35 kg	0.8 kg
- Enzyme	0.8 kg	0.4 kg



NO-STONE SYSTEM
 NOT ONLY ELIMINATES
 CONVENTIONAL
 PUMICE STONE FOR
 GARMENT WASHING,
 BUT ALSO REDUCES
 CHEMICAL CONSUMPTION,
 WATER USE, AND
 CARBON FOOTPRINT.