New Bowl filling plant at Ambarnath

ECK HAUBOLD & LAXMI

A Unit of THE SIRDAR CARBONIC GAS CO. LTD.

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PINK LAXMI HELEXTRA2

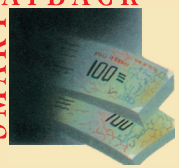
HELEXTRA2 HIGH EXPRESSION FIBRE SQUEEZE ROLLS

ECK HAUBOLD & LAXMI

DEVELOPMENT LATEST

For more than 50 years **Eck Haubold & Laxmi** has offered Textile and Paper industry outstanding services in the field of surface finishing. As a part of expansion programme we developed a roll with unique feature of high efficiency liquid extraction. LAXMI HELEXTRA2 is the latest development in Squeezing Technology assuring greater efficiency, **substantial cost & energy saving**.

PAYBACK SMART



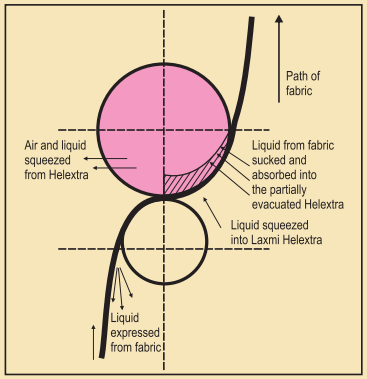
Our customers will appreciate **HELEXTRA'S** potential of tremendous cost saving as many application, it can bring remarkable **payback** and cost of the Roller will be recovered unbelievably within **few months.**

SAVING SIGNIFICANT

Eck Haubold is the first to manufacture non-woven LAXMI HELEXTRA2 roll in the country and is much superior than an ordinary rubber roll. The squeeze-off effect is nearly 50% more, depending on the type of fabric to be processed, using 30 to 50% less energy. That means significant saving in subsequent drying process, resulting improved productivity by increased mangle speed. In may cases it is also possible to work wet-in-wet whereby intermediate drying operation can be omitted. Such a unit pays for itself within short span of working because of **immense saving** in drying **energy cost** as well as saving in electricity.

POWERFUL EXTRACTION

In operation LAXMI HELEXTRA2 produces a powerful squeezing action and provides capillary suction. The fabric passes between the nip of LAXMI HELEXTRA2 and hard roller. The liquid is squeezed by hard roller, and extracted out by LAXMI HELEXTRA2 roller when compressed. Fabric still in the nip regain its shape, draws air through the fabric into the capillary and create sucking action which removes much of the liquid from the fabric as shown in the diagram. The recommended nip line pressure is 30-50 Kg / cm for excellent results.



HELEXTRA2 EXPRESSION RESULTS*

The expression results illustrated below were achieved at 50m/minute, 54kg/cm load.

	HELEXTRA2	HARD RUBBER
100% Cotton (Knitted)	55 %	78 %
100% Cotton (Knitted-Terry)	62%	83 %
100% Wool (Woven)	60%	80 %
Poly Cotton (60/40)	34%	51 %
100% Polyeser (Knitted)	37 %	73 %
100% Cotton (Toweling)	63 %	78 %
100% Cotton (120g.m2)	63 %	79 %
100% Cotton (200g.m2)	58 %	72 %
100% Cotton (70g.m2)	66 %	91 %
Brushed Acrylic	36 %	75 %
Micro Fibre	30 %	46 %
Wool/Polyester (45/55)	37 %	57 %
Expression percentages are based on th dry weight of the fabric		

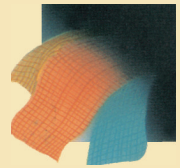
For installation, maintenance and storage of Helextra2 rolls refer to data sheet no.ECK-LH2

CONSTRUCTION HELEXTRA

Unlike other Rollers LAXMI HELEXTRA2 is not made from rubber. It comprises of axially pressed-moulded non-woven web of fibres individually coated with rubber and processed carefully under controlled conditions of heat and pressure. It forms a unique resilient microporous construction.

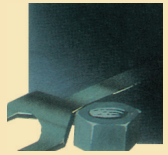
Squeeze - off performance- Using non-woven rollers it is possible to obtain a squeeze - off effect as much as 50% higher depending on the textile material. This high performance makes it possible to work wet - in - wet. By virtue of its properties to resist various chemical reactions LAXMI HELEXTRA2 can be **safely used in stenter finishing, mercerising, washing range Balloon Padders, rope form and soaper units**.

APPLICATIONS WIDER



LAXMI HELEXTRA2 with non - woven material has a far longer life than rubber roller. **Bare minimum maintenance required.** Owing to high durability regrinding is required much less frequently than in any case of rubber roller. Indentations can be easily levelled out by spraying steam or hot water, working the roller under pressure but without material.

LIFE SERVICE



● Fibre Rolls provide an efficient extraction of liquor due to the combined squeezing and capillary suction effect within the micro-porous composition. ● Fibre Rolls give a "gentle" squeezing action due to their extreme resiliency, unlike hard rubber rolls which tend to permanently damage the fibre construction of fabrics. ● Fibre rolls offer up to 40% saving in power compared with rubber covered rolls and significantly higher savings in power when compared with vaccum extraction systems. ● Fibre rolls can withstand high squeezing pressures in excess of 75 kg/linear cm (420 lbs/linear inch) ● Fibre rolls recover very quickly from damage marks and foreign metallic objects or other debris simply sink into the roll and need not be removed. ● Fibre rolls can be reground to remove any unusally deep marks. Fibre rolls can simply replace other types of squeezing rolls and can be "refilled" when the minimum diameter is reached. Their life is considerably longer than a rubber covered roll. ● Fibre rolls can be run together with metal, ebonite, or hard rubber rolls or, for even better results on tubular knit or thick pile fabrics with another HELEXTRA2 ● Fibre Rolls can be used for squeezing fabrics containing the usual chemicals found in a textile factory.*

ADVANTAGE HELEXTRA

*Conditions apply