

# A feeling for yarn and colours

## TVU Textilveredlungsunion certified according to OEKO-TEX® Standard 1000



TVU is the market leader in Germany for package dyeing of spun-fibre yarns and smooth or textured filament yarns.



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“Traditionally one step ahead” is the motto of the TVU Textile Finishing Union in Middle Franconia. It applies to their innovations, quality standards, service provision and care for the environment in equal measure. Consistently dedicated to the idea of sustainability, the company has been endorsed now as an environmentally friendly and socially responsible business under the OEKO-TEX® Standard 1000.

### Traditionally successful

The roots of the TVU go back to 1922 and then in 1947 the company moved from the Sudetenland to Leutershausen. Since then, this third-generation family-run company has developed into one of the biggest yarn finishers in Europe, with an annual capacity of about 6300 tonnes. Currently employing about 140 people in a three-shift operation, the company adapts to new trends quickly in all aspects of its work, so that it is always perfectly prepared.

### Yarn finishing “Made in Germany”

The TVU is very conscious of the importance of its traditions and can look back on many years of experience in textile finishing in Germany. Another factor guaranteeing the success of the TVU Group is the symbiosis which has worked so well since 1974 between the two arms of the business, the TVU Textilveredlungsunion and TVU Garnvertrieb, for its part one of the leading yarn traders in Europe. Hans Hausner, Managing Director of TVU, is convinced of the benefits of this arrangement: “In our day-to-day business we can keep driving forward innovative processes leading to new developments for the future, such as ground-breaking new special treatments, while at the same time we can offer our customers an extensive range of products in stock. The many attractive yarn-related services we provide round off what we have to offer.” Additional factors in the long-



The new innovations from TVU are marketed successfully all around the world under the slogan “Yarn finishing Made in Germany”.

term success of the company include established partnerships all over the world, maximum flexibility in serving the customer, and extensive knowledge of trends, materials and dyes.

Yarns are purchased from all over the world as the raw material and treated according to their intended purpose. The technical yarns have to meet very special specifications in their further processing. The TVU has built up extensive expertise in this field to meet ever-increasing functional demands. Yarns for circular and flat knitting are mainly used in the clothing industry. Here, TVU’s wide range of yarns in different qualities and blends for all kinds of areas of use enables it to meet the demand. The yarns from the weaving plant are mainly used to make domestic textiles.

All the products from textile finishing have complied with the requirements of the OEKO-TEX® Standard 100 for

Product Class I (textiles and textile toys for babies and toddlers) since 1996, meaning that they meet the highest standards for human ecology. In the field of package dyeing of fibre-spun yarns and smooth or textured filament yarns, TVU is the market leader in Germany. A real speciality of the company, thanks to its large-scale in-house development work, is its ground-breaking special treatments, such as an anti-ageing finish.

### Sustainable production

In August 2011, the TVU Textilveredlungsunion was awarded the OEKO-TEX® Standard 1000 by the Hohenstein Textile Testing Institute in Bönningheim, endorsing it as an environmentally friendly production organisation. Hausner is quite sure of the benefits: “For us, successful certification was really the icing on the cake, both confirming the value of our work and motivating us to keep it up. In this way we can prove to our customers

that we take a responsible attitude both in relation to our products and to protecting the environment generally.”

The concept of sustainability - and particularly saving resources - has always been a very high priority at TVU because of the high water consumption entailed in the processes it carries out. The company has also made a significant investment in modernising equipment and buildings, and optimising its procedures. As a result, the latest yarn dyeing machinery, material conveyor systems and pressure dryers ensure that production uses resources sparingly and does not damage the environment. The dyeing spools are packed more tightly so that larger quantities of yarn can be dyed, and the liquor is used more efficiently. This saves on water, dyes and chemicals. Most notably, water consumption per kg of yarn was reduced by about 30% in this way.

Furthermore, since 2004 the company has been using a specially designed system for removing the dye from waste water. The production plant has a waste water measuring station, with a laboratory attached, which monitors the waste water and delivers all the relevant data about it. In addition, a highly effective heat recovery system makes it possible to feed more than 62% of the thermal energy that is used back into the operating supply at TVU. Since 2007 the thermal energy has been generated in a biomass plant, powered by wood chips. This supplies heat not only for the company’s own processes but also for its immediate neighbours and public buildings. Extensive measures to save power, combined with consistent sorting, avoidance and recycling of waste materials, all form part of the environmental management system, along with regular training courses for employees by experts in hazardous materials.



A complex structural organisation, numerous highly specialised work processes, 86,000 colour blends, in-house development work and a massive warehouse the size of two football pitches ensure that TVU is hugely successful on the global market.