



Hank Dyeing

A bespoke way of colouring yarn

Laxtons
specialist yarns

We spin, We dye

We're Laxtons. Best known for our worsted spun and fancy yarns, we've been supplying yarn for woven apparel, hand knitting, interiors and more since 1907. Fast forward to 2020, we're diversifying. In a bid to match our tailor-made approach to design with a bespoke dyeing capability, we've teamed up with the textile colour experts at Yorkshire-based Park Valley Dyers, to offer one of the most cutting-edge hank dyeing facilities in the UK.

We now provide fully vertical spinning and dyeing of our own products as well as commission dyeing services for high value hanks of natural fibre yarn in wool, cashmere, silk and alpaca destined for premium knitwear, fashion, upholstery and carpets.





Hank dyeing – and, equally important, hank drying

Significantly more sophisticated than traditional hank dyeing, this specialist dyeing process not only allows us to achieve a softer yarn finish, it enables the yarn to retain its volume and bounce. Unlike the package or cone dyeing method which compresses the yarn, hank dyeing is designed for smaller batches and is ideal for enhancing the structural properties of thicker spun yarns.

Dye and dry

Reeled yarn is suspended under its own weight on perforated arms which rotate during the dye cycle to achieve completely level colour distribution. The yarn is never submerged in water, so the process is significantly more gentle on the fibre to give improved handle and bulk, achieving yarn character very similar to that obtained through fibre dyeing.

The hank drying process is almost as critical as the dyeing itself, with most drying techniques over-drying the yarn, causing brittleness and fibre damage. We employ advanced drying technology to control the relative humidity within the dryer and to optimise the desired regain thus avoiding fibre degradation resulting in better quality dyed yarn.

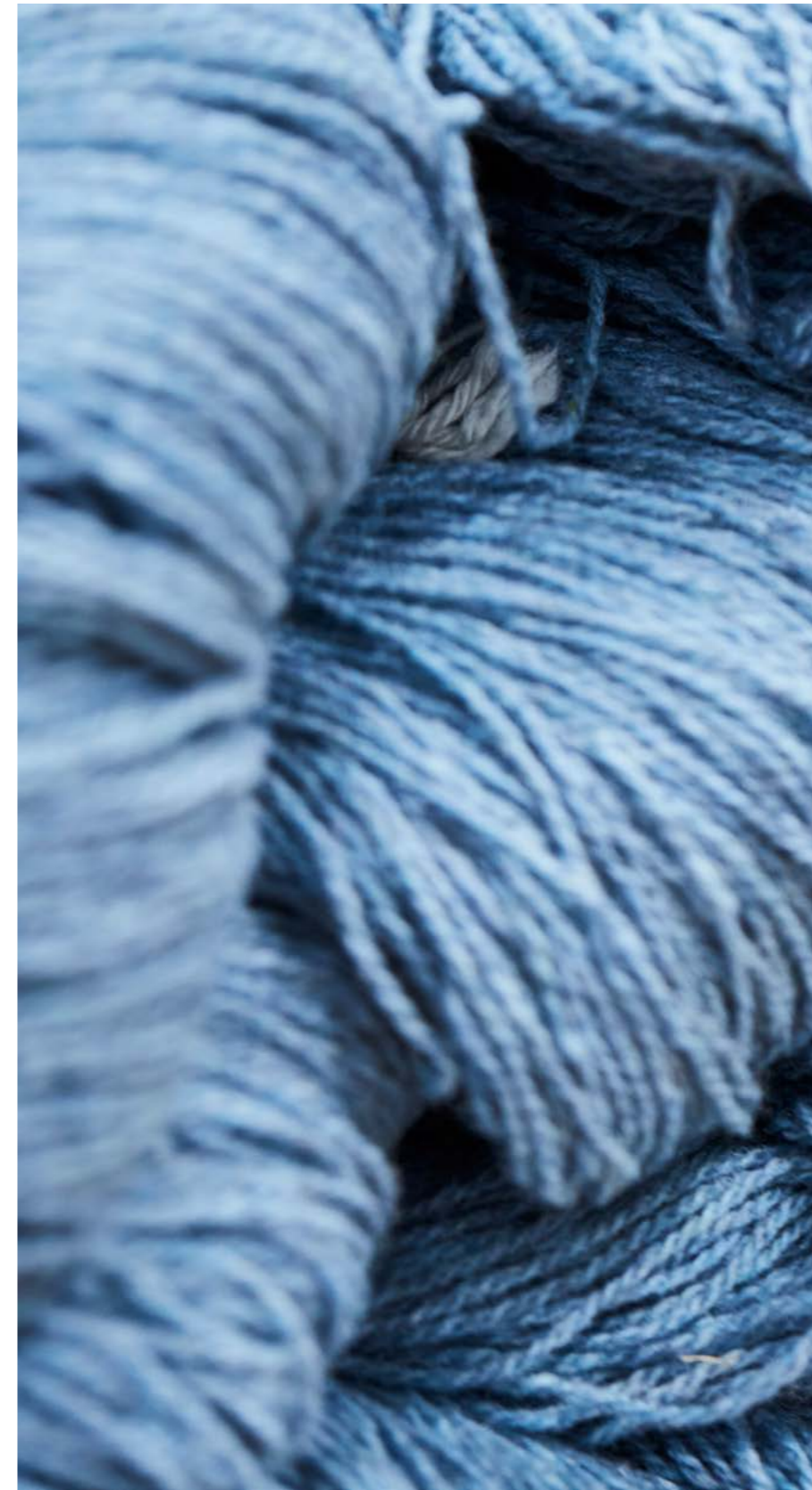
Tailored approach

Just as we work with our customers to design a yarn from concept to the final product, this niche dyeing process enables us to adopt a more tailored and highly individual approach to colouring yarn.



Equipment

- 1 x sample cabinet for fast turnaround of small scale dye lots
- 3 x dye cabinets for pre-wash and dyeing in flexible configurations up to 120 kg lots
- High speed centrifugal spin system for moisture reduction after dyeing
- Air dryer for multiple capacity permutations
- All systems computer controlled, from dye recipe dispensing to temperature and cycle time



Premium yarn types

- Wool
- Cashmere
- Alpaca
- Mohair
- Silk
- Wool
- Used in fashion, knitwear, carpets and upholstery





Environmental profile

Using 80% less water than conventional hank dyeing, this type of dyeing is an eco-friendly alternative benefiting from 100% dye exhaustion. Pair this with Park Valley Dyer's cutting edge environmental initiatives, you can be assured that we're committed to lightening our footprint.

Key initiatives for a lighter footprint:

- Borehole water supply – no need to pump long distances or treat to drinking water quality
- Energy efficient hot water boiler, backed by hot water recovery and re-use
- Recycling of up to 85% of water used, kept at a constant 40°C
- Computer controlled low liquor dye vessels
- Using 80% less water than conventional hank dyeing
- 100% dye exhaustion means clean water discharge to sewer
- Low temperature dyeing and drying saves energy

Craft meets technology

With over 110 years of textile heritage, we've learnt that to be the best you've got to work with the best. That's why we've partnered with Park Valley Dyers, established in 2012 with investment of £2m as the UK's newest and most modern textile design dye house.

Having worked closely together for some time, we've now invested in pioneering hank dyeing equipment to enable us to diversify our services to provide a bespoke service for premium coloured yarn. Renowned for its innovative dye process technologies, colour laboratory and environmental systems, Park Valley Dyers draws on the talents and expertise of an experienced team of textile colour specialists covering contract and transport interiors, apparel and knitwear.

Combine this with our second-to-none skills in yarn manufacturing, we're blending one of the world's oldest crafts with the most modern plant and equipment so you can benefit from improved product quality, improved colour consistency, and an improved environmental profile.

Laxtons

 PARK VALLEY DYERS





More about Laxtons

Laxtons is still very much a family business, founded by George Laxton and Gordon Holmes in 1907 and run today by the fourth generation, James Laxton. They are one of the UK's leading specialist yarn manufacturers serving high end global brands, with in-depth technical knowledge and understanding providing first class results for its clients.

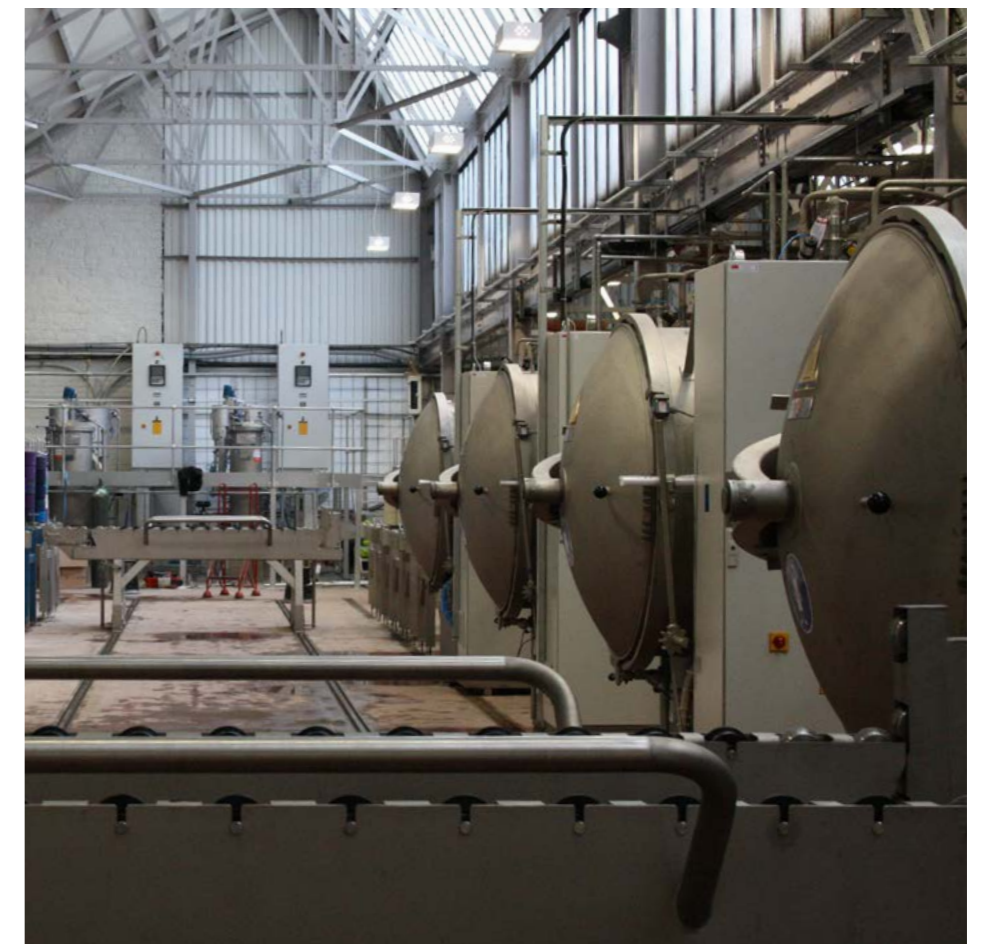
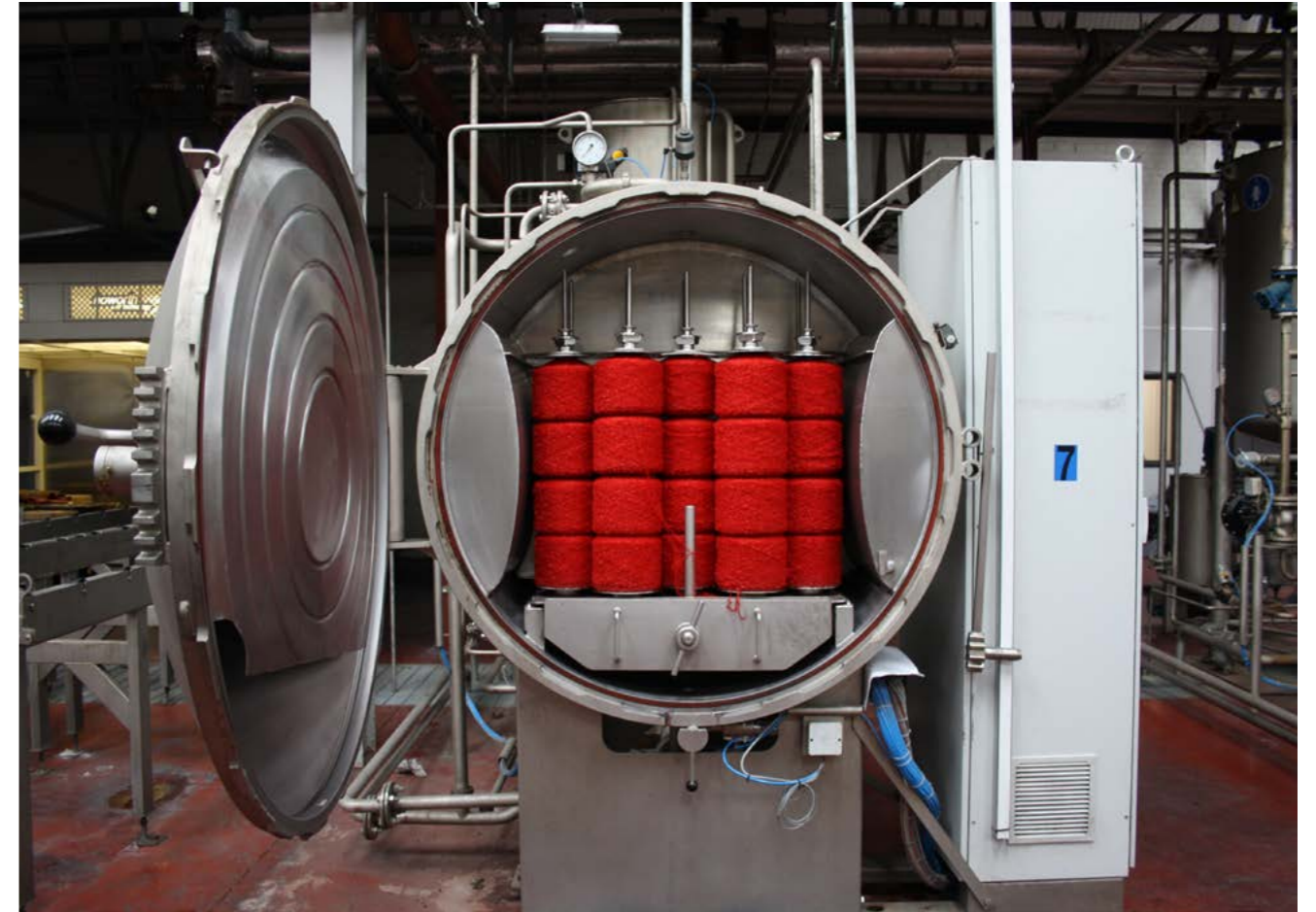
Over the decades, the Company has outgrown several Yorkshire-based sites and has even seen one of its spinning plants relocated from its home county to Port Elizabeth, following a joint venture with a co-operative of mohair farmers in South Africa.

Now located in Baildon, Bradford, Laxtons re-shored 100% of its manufacturing in 2009 to a state-of-the-art spinning mill back in Yorkshire. The factory hosts a range of modern machinery and spinning capabilities, allowing for a diverse range of yarns to be manufactured for many different markets and end uses. This is now enhanced by additional capabilities in turnkey spinning and dyeing of Laxtons' own products as well as commission dyeing services.

More about Park Valley Dyers

Park Valley Dyers is a joint venture textile dye house, specialising in top and package dyeing, set up in 2012 by contract upholsterer manufacturer Camira Fabrics and Holmfirth Dyers. Camira acquired Holmfirth Dyers in 2019 from the Duckett family who retained a 50% stake in the original joint venture.

Located in Lockwood, Huddersfield, Park Valley Dyers benefited from £2m investment in the most modern plant and machinery, from the latest colour systems laboratory to the most efficient dye vessels, all brought together in newly constructed premises on a brownfield site retaining an historic part of an original textile mill. The factory installed the most up to date environmental thinking and technologies, now complemented by additional capability in specialist hank dyeing.



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