

THESE ISSUES?

PRODUCER

- Time-consuming and costly swatch development and shipping
- Difficult communication with designers regarding the technical aspects of knitting
- Problems with correct artwork placement
- Time-consuming machine programming and grading for each style

EDUCATOR

- Laborious preparation of classes and teaching materials
- Limited structure development on hand-flat knitting machines
- Complex process to teach students about computer machine programming

STOLL

KM.ON

2 Brands - 1 Purpose: Innovation for your creative process

Enter a new world of pattern creation with simplified development and accelerated programming. CREATE, the new design software for flat-knitted goods, represents another major step towards the digitisation of the whole knitwear design and development process.

STOLL and KM.ON - two successful brands of the KARL MAYER Group - combine their expertise and creativity to maximise benefits for the customer. STOLL is a leader in flat knitting technology, providing solutions with a wealth of process expertise. STOLL guarantees perfect knitting solutions and customer support. KM.ON is a specialist in innovative software products, digital solutions and services for the textile industry.

CREATE is part of KM.ON's solution category k.innovation, which focuses on speeding KM.ON's design-to-market workflow.



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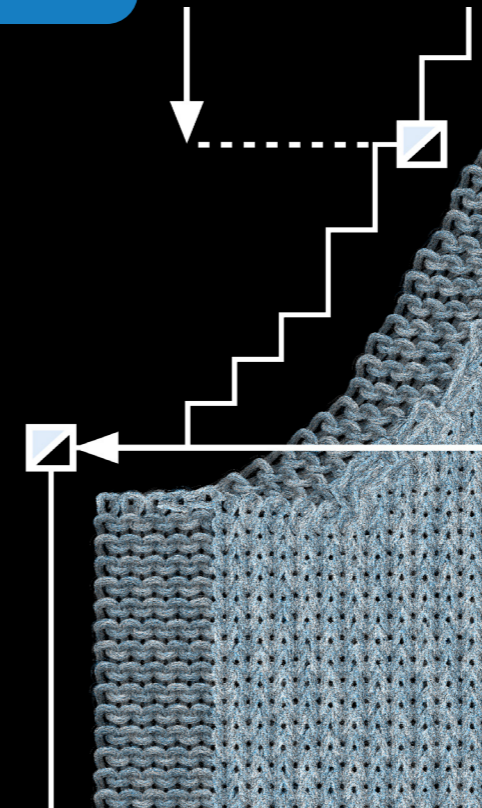
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Digital Knitwear Design Development with



k.innovation
CREATE



DO YOU HAVE

MANAGER

- Time-consuming and resource intensive analogue work with physical swatches
- Complex supply chains and long development times
- Intense yarn sourcing process and high costs relating to storage
- Missing information for calculation of costs relating to knitting time and material consumption

KNIT & 3D DESIGNER

- Dependence on the producer in the development phase due to physical swatches
- No access to means of production
- Expensive swatch development
- Limited development opportunities due to minimum order quantities
- A sense of disconnect from the technical side of knitting
- Extensive preparation process for the simulation of knitted garments in 3D

k.innovation CREATE SOLVES ALL ISSUES

MANAGEMENT

- Digital design development saves on resources and costs
- Cost control during the design process
- Option to include producers in the digital development process
- More sustainable work as a consequence of fewer or no physical swatches
- Option to bundle worker profile

DESIGN

- Instant visual feedback while designing new stitch constructions
- Easy creation of colorways
- Less dependence on producers in the design development process

PRODUCTION

- Design output contains technical information and can be used as basis for programming
- Work in technical and fabric view simultaneously
- Elements from existing STOLL-M1plus® programs can be used

EDUCATION

- Simple knitting know-how transfer
- Easy creation and presentation of different knitting techniques
- Open source learning platform

KEY FEATURES

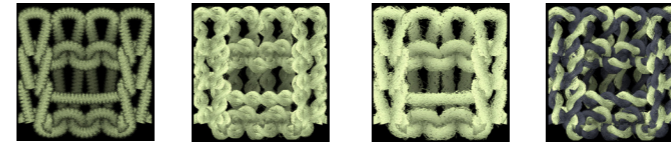
SHAPE CREATION & GRADING

The integrated shape library makes for quick pattern creation.



DIGITAL YARN CREATION

The integrated yarn library includes standard and effect yarns, plus the option to create your own digital yarns.



INTEGRATED STITCH LIBRARY

The knit explorer tool offers an extensive library with basic stitches and knitting techniques.



DIGITAL SWATCH DEVELOPMENT

There is no need to knit physical swatches for the concept and collection planning process.

REALISTIC STITCH SIMULATION

Fabric view offers realistic stitch simulation and stitch distortion preview.



COLOURWAYS

The integrated tool facilitates the automatic creation of colourways.

EXPORT FOR 3D SIMULATION

DXF shapes, stitch simulation and texture maps images can be exported for use in simulation with any external 3D software.



CONNECTION TO PRODUCTION

The design program is the basis for the machine program and can be used by the technician for further processing.



DIGITAL DEVELOPMENT WORKFLOW

1 SHAPE CREATION

Shape creation and grading can easily be carried out by pattern makers, designers or technicians.

2 DIGITAL SWATCH

Digital stitch development offers simultaneous stitch preview and use of digital yarns.

3 DESIGN

Shapes and digital stitches can be combined to create unlimited design variations and colourways.

4 EXPORT FOR 3D

Exported shapes and images can be used in any external 3D simulation software to check the fit and design before knitting.



3D render made in CLO

5 PRODUCTION

The design program can be used as a basis for programming. After a technical check by the technician, the program can be initiated and knitting will begin.