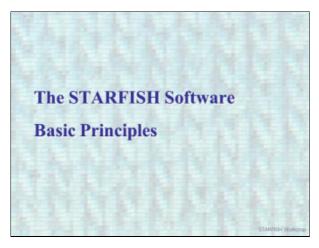
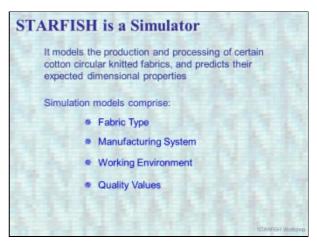
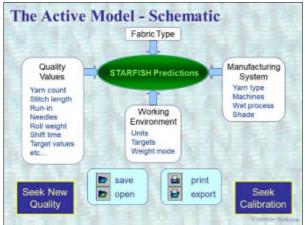
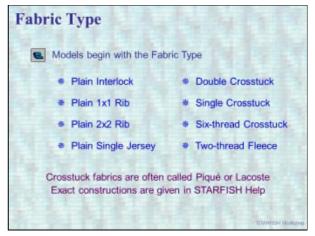
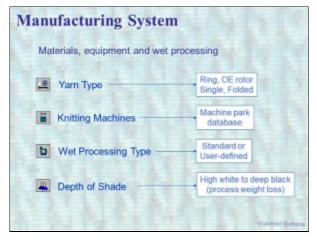
STARFISH Workshop Program Basics

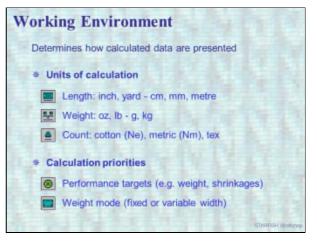
















Speedy Working

A database containing all of your machines (and others if you like) is maintained for rapid easy access.

Individual models can be saved to a file for later recall or modification.

"Last Active" model is always saved, so you can re-start exactly where you left off.

"Default" model profiles, which you customise, are maintained for a rapid start to brand new projects.

STARRESH WO

Permitted Data Ranges

A very wide range is allowed in data entry, so as to permit experimentation.

- # Yarn count (number): 5 to 100s cotton count
- # Machine gauge: 5 to 40 npi
- Machine diameter: 5 to 65 inches
- # Machine speed factor; up to 1500
- Knitted tightness factor: 8 to 20 (dep. on fabric type)

Cotted Soldman factor is defined in STARE Statistics

STARFISH Was

Units of Measurement

For most data items, you can choose your preferred units. For example ...

- Yarn count # cotton count, metric count, tex
- Stitch length # inch, cm, mm
- Roll weight # lb, kg
- Fabric weight, yield # oz/sq yd, gsm, yd/lb, m/kg, etc.
 - Fabric width # inch, cm (tubular or open)
 - Courses & wales # per inch, /cm, /3cm, /10cm, etc.

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Non-commercial Data Entry

STARFISH will issue a warning ..

If your data entries lead to possibly non-commercial production conditions, or unacceptable performance of the finished fabric.

For example, you will get a tightness factor warning if your knitting conditions will cause the tightness factor of a plain jersey fabric to exceed 18.0.

And you will get a Shrinkage warning if your model conditions result in a shrinkage prediction of more than 15%.

MRESH

Making Predictions

Every time you enter data or make a new selection, STARFISH immediately re-calculates the expected properties of the specified fabric qualities ... (courses, wales, weight, width, shrinkage, etc) ...

Based on the selected Manufacturing System, Working Environment, and Quality Values ...

Using the STARFISH Reference Equations

STARRISH VIDAGIO

Viewing the Results

Four ways to look at the model output

- View Predictions by Qualities
 - > all qualities, one machine at a time
- View Predictions by Machines
 - > all machines, one quality at a time
- View Production Data
 - kg/hr, kg/shift, hr/roll, revs/roll, etc. all machines
- View Specification
 - > knitting spec, finishing spec, etc. per quality

STARRSH W. W.V.

Seek New Quality

If you are not sure what yarn or machine to choose ..

You enter the required weight and width, then click on the "Test" button ...

STARFISH will suggest a yarn count and stitch length and a number of machine needles that will deliver the specified weight and width.

You can force STARFISH to use a particular yarn or machine. You can specify maximum shrinkage levels and a maximum range of tightness factor.

VARIESH Visual

Seek Calibration

Standard STARFISH predictions are based on average conditions, as represented by the STARFISH database.

You can train STARFISH to take account of your own, specific local conditions.

You do this simply by entering your own test data for a representative yarn type, fabric quality, and wet processing route.

The resulting "User Defined Process" can be named and saved to a special file. It then becomes a Standard STARFISH processing option.

TARRSH WIII

STARFISH Workshop Program Basics

A comprehensive Help system is provided. This is not just the normal type of Help - explaining how the program works and how to operate the various features (though these are included of course). There is also a comprehensive technical reference, including detailed background know-how on circular knitted fabric technology. A lot of this stuff is unpublished material that you can not find in text books.

