RAPID, ACCURATE AND EASY AREA & SUBSTANCE MEASUREMENT

WET-BLUE AREA MEASURING

The **BlueSorter** is a visual grading and analysis system for the measurement of wet-blue leather hides/sides and skins. The basic machine comprises of automatic area measurement and substance measurement (optional), with visual quality grading (manual output).

KEY FEATURES

Area Measurement - Operated by a series of high quality photo-electric sensors arranged across the measuring bridge of the machine. The sensors are linked to the industrial PC control system.

Substance Measurement - The BlueSorter can have up to 4 measuring wheel devices, comprising of an adjustable spring pre-load and a precision transducer measuring system.

Visual Quality Grading - Via a remote grading station situated at the operator end of the machine. The hide ID can also be entered at this station. The number of grades required are normally defined by the customer.

Software - Modular software exists for area measurement, substance measurement and visual grading relative to hide analysis. Software can be tailored further to individual customer requirements.

Controls - All controls are in the form of an industrial PC which is ideal for the harsh environment of a tannery. They are designed with maximum flexibility in mind and are housed in a separate cabinet along with the main electrical control panel. The controls provide connection facilities for linking to other systems operating within the tannery.

Standard Machine Size 1: working width 1500 / working length 3000mm or 6000mm
Standard Machine Size 2: working width 3000 / working length 3000mm or 6000mm

SCOPE

BlueSorters can be linked with:

- barcode scanning systems
- SCADA systems
- palletising systems
- stock/batch control systems

Other systems can also be linked, depending on customer requirements. Software can also be tailored to include batch control, pallet stocks and similar items.

PRICING & DESIGN

BlueSorters are built to customer order. Standard machines are developed to meet individual requirements. Prices, therefore, are on application, and quotations will be prepared after specifications have been fully discussed with the customer.

TYPICAL OPERATING SEQUENCE

The hide is placed evenly on the conveyor and passes under the measuring bridge, which measures the area and substance (if required). The hide then moves to the 'operator end' of the machine where the operator enters the visual grade and hide ID at a remote grading station.

The software collates the data relative to each hide and stores it either in a databse on the PC screen, or outputs the data to a network. The data is displayed on the PC screen as each hide is measured.

The software also has calibration routines for calibrating the area and substance sensors. There are also supervisor routines for retrieving information from the database.

Data handling is normally negotiated with each customer due to differing requirements throughout the industry.

MSA

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