Research- and technology centre, RTC
RESEARCH and DEVELOPMENT

RTC
Our industrial scale pilot plant in Nässjö, Sweden, is available to customers worldwide for trials and training purposes for stock preparation equipment and systems with a strong focus on waste paper recycling.

The Technology Centre is equipped with all the machines and systems marketed by Cellwood Machinery.

The installed equipment is full scale size and can easily be arranged to an optimum system to suit the customer’s requirements.

Modern process control gives our trial facilities the flexibility to precisely monitor, easily change parameters and document the process results.

Feeding waste paper or pulp to LC-, MC-, or HC pulper.

MC- and HC Refining.

When running customer trials all operating parameters and process variations are agreed with the customer who is supervised the test.

Fibre suspensions and paper samples are examined in our laboratory.

Dispersing with unpressurized, pressurized, compact or ultra compact system.

Thickening by inclined screw dewatering.

Thickening by screw press.

HC Pulping with reject separator.
CELLWOOD RESULTS

PRINTED CUTTINGS

DISC TYPE: Medium Spaced Devil Tooth
DISC GAP: 0.10 mm

PULPER: 35 °C
BRIGHTNESS: 76 % ISO
CHEMICAL: Peroxide

DISPERSER: 115 °C
BRIGHTNESS: 64 % ISO
CHEMICAL: HY-BRITE

COLOURED OFFICE WASTE

DISC TYPE: Widely Spaced Devil Tooth
DISC GAP: 0.10 mm

PULPER: 35 °C
BRIGHTNESS: 49 % ISO

DISPERSER: 115 °C
BRIGHTNESS: 50 % ISO
CHEMICAL: HY-BRITE

WET STRENGTH TISSUE WITH COLOURED PRINT

DISC TYPE: Widely Spaced Devil Tooth
DISC GAP: 0.30 mm

PULPER: 35 °C
BRIGHTNESS: 63 % ISO
CHEMICAL: FAS

DISPERSER: 120 °C
BRIGHTNESS: 71 % ISO
CHEMICAL: FAS

AOCC

DISC TYPE: Widely Spaced Devil Tooth
DISC GAP: 0.20 mm

PULPER: 35 °C
BRIGHTNESS: 76 % ISO
CHEMICAL: FAS

DISPERSER: 120 °C
BRIGHTNESS: 64 % ISO
CHEMICAL: FAS

DISPERSER: 110 °C
BRIGHTNESS: 19 % ISO
CHEMICAL: 7.5 kg FAS

DISPERSER: 110 °C
BRIGHTNESS: 23 % ISO
CHEMICAL: 40 kg Peroxide

DISPERSER: 110 °C
BRIGHTNESS: 27 % ISO
CHEMICAL: 20 kg Peroxide

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