



Cellwood Machinery
FOR BETTER PULP AND PAPER

KRIMA Hot Dispersing System

**KRIMA Compact
Dispersing System**

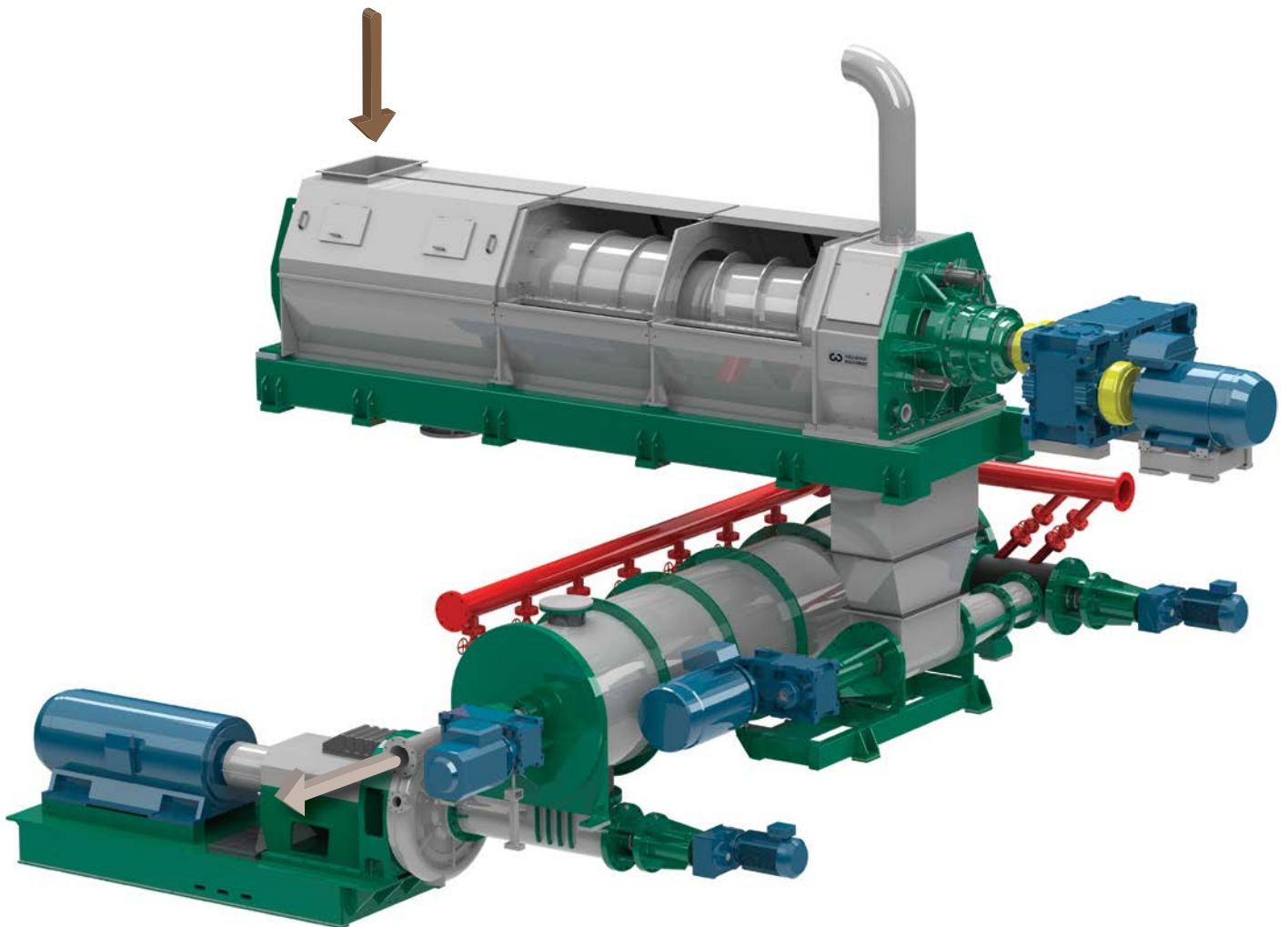
**KRIMA Ultra Compact
Dispersing System**



KRIMA

CELLWOOD
MACHINERY

KRIMA HOT DISPERSING SYSTEM HDS



DESCRIPTION, HDS

The Krima Hot Dispersing System (HDS) is Cellwood Machinery's solution to optimize the performance, flexibility and operating cost on varying degrees of raw material and required results. It has a capability to operate at temperatures up to 120°C (248°F).

As the most advanced system the HDS produces the best dispersing result on all kind of dispersible contaminants in waste paper. It is also the most flexible dispersing system.

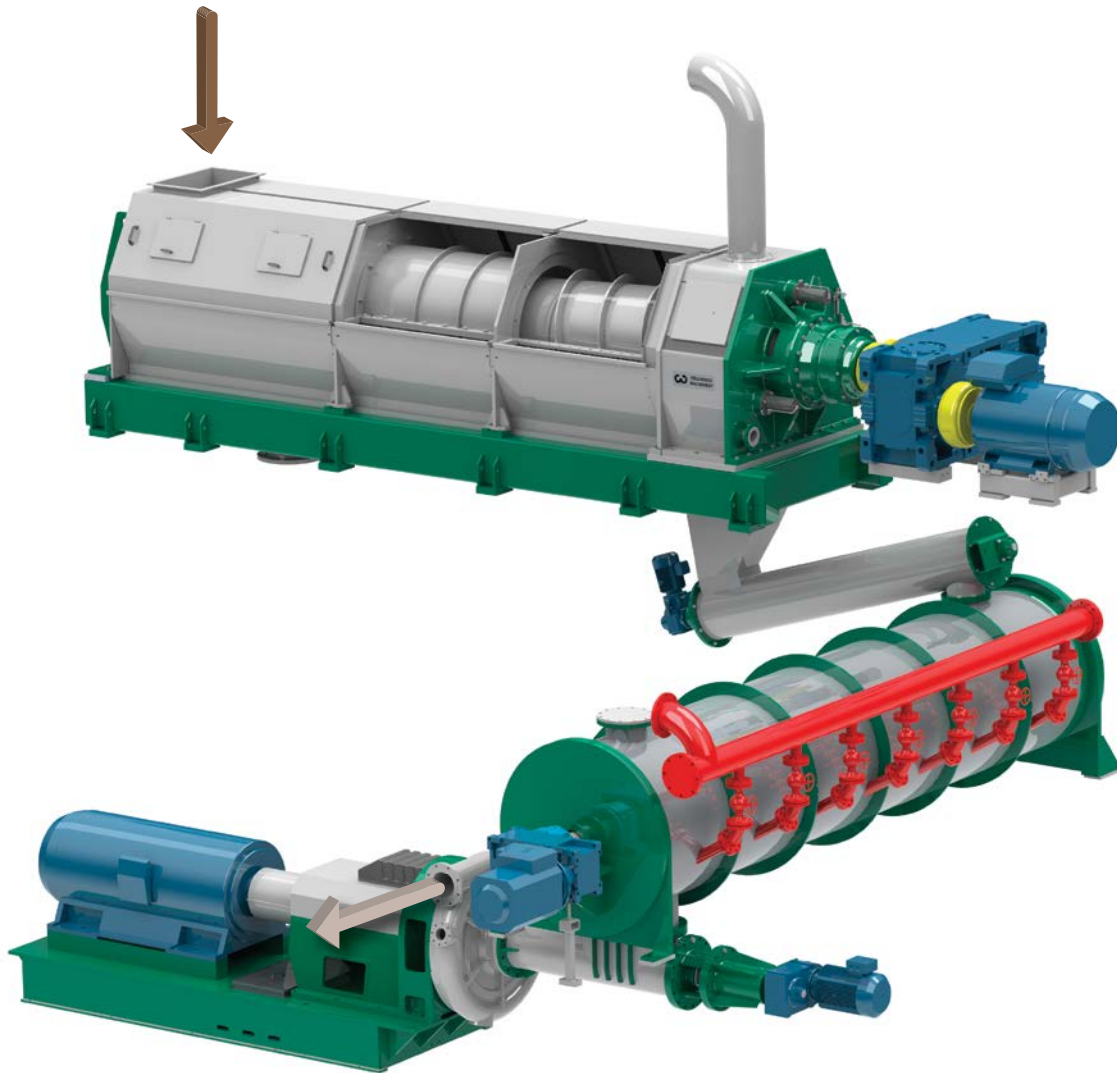
The discharge of the Krima Screw Press KSR does not need to be pressurized as the downstream Krima Plug Screw is designed to seal the system.

Retention time through the system is 2 minutes which is enough for in-line bleaching and a high reduction of spores and bacteria in the pulp.

ADVANTAGES

- Full flexibility in optimization of dispersing result
- Low energy consumption
- Pressurized system with access temperature up to 120°C (248°F)
- Flexible layout
- Development of fiber properties
- In-line bleaching
- Retention time of 2 minutes
- Capacity up to 1200 TPD

KRIMA COMPACT DISPERSING SYSTEM CDS



DESCRIPTION, CDS

The Krima Compact Dispersing System (CDS) is a non-pressurized system with a capability to operate at temperatures up to 95°C (203°F).

The KRIMA Screw Press KSR equipped with automatic torque control ensures a high and uniform discharge consistency.

The design also allows existing dewatering equipment to be used.

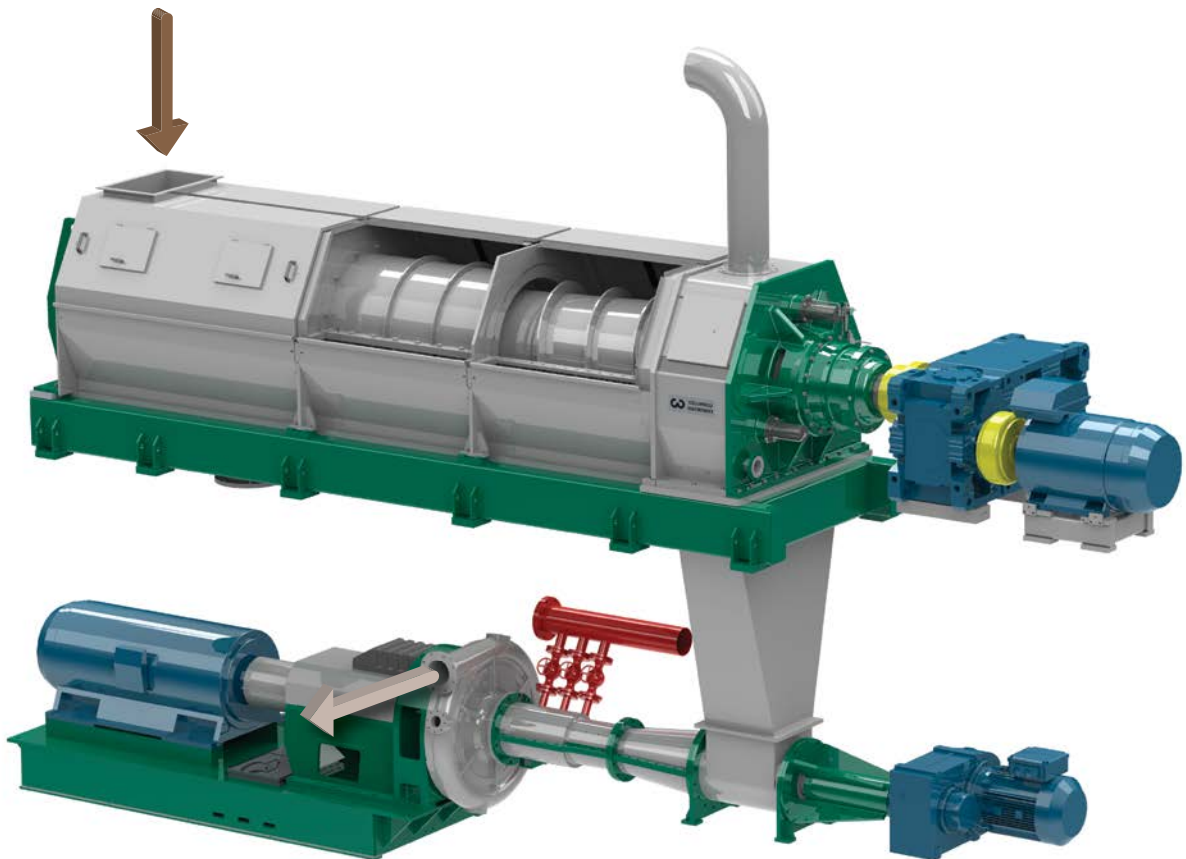
Retention time in the heating zone is 20–30 seconds.

ADVANTAGES

- Low investment cost
- Low steam consumption
- No pressure vessels
- Flexible layout
- Can be extended to full Hot Dispersing system
- Development of fiber properties
- Can discharge at HC without sealing

KRIMA ULTRA COMPACT DISPERSING SYSTEM

UCD



DESCRIPTION, UCD

The Krima Ultra Dispersing System (UCD) consists of only three machines with a capability to operate at temperatures up to 110°C (230°F).

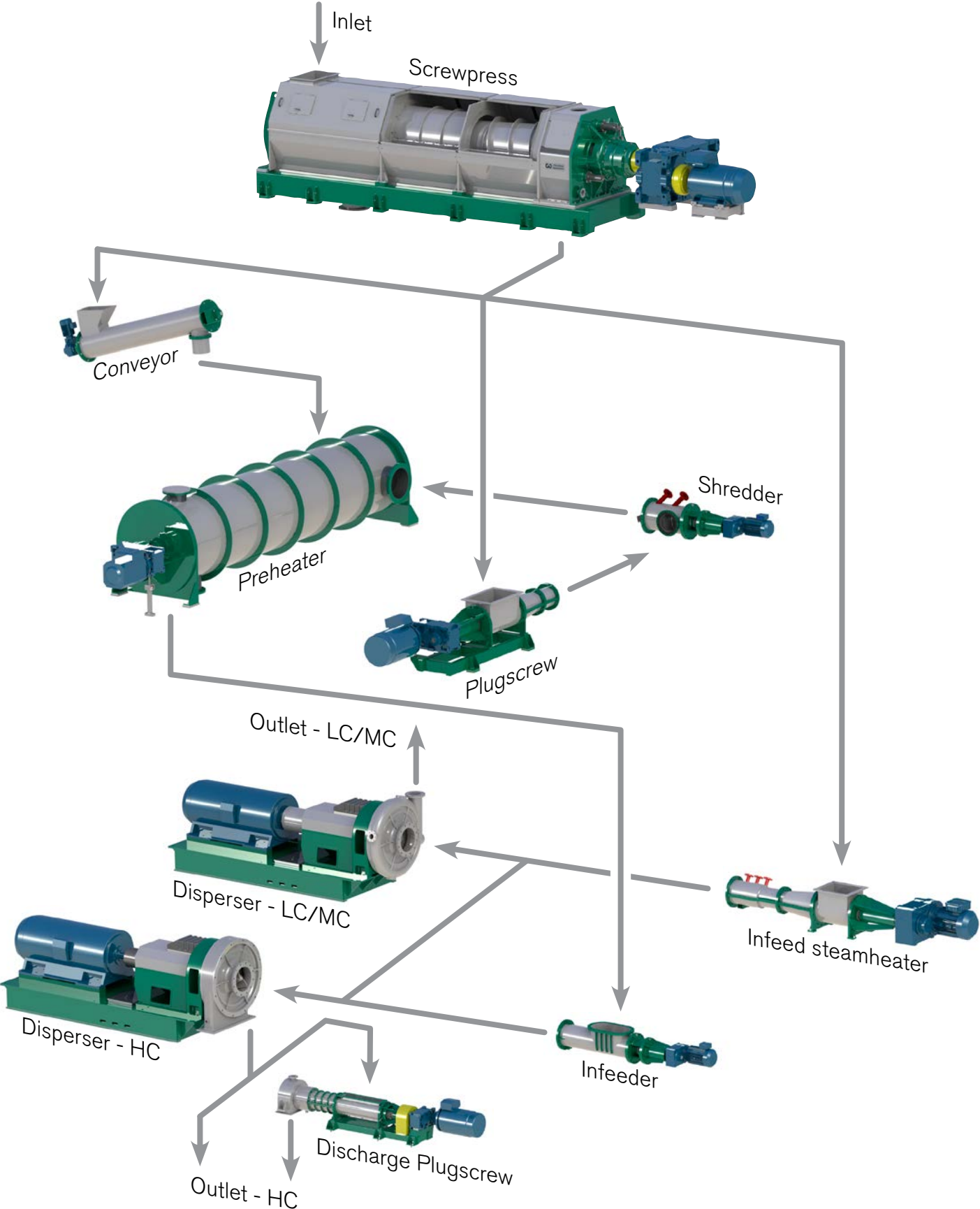
The Krima Screw Press KSR dewatering is followed by a Krima Infeed Steamheater, this introduces shear forces into the pulp for a pre-dispersing effect.

Retention time in the heating zone is 5–10 seconds.

ADVANTAGES

- Low investment cost
- Only three (3) machines
- Low steam consumption
- Can be extended to full Hot Dispersing system
- Development of fiber properties
- Treatment with advantage on wet strength paper applications
- Suitable as HCR, High Consistency Refining, stage
- Pressurized system with access temperature up to 110°C (230°F)

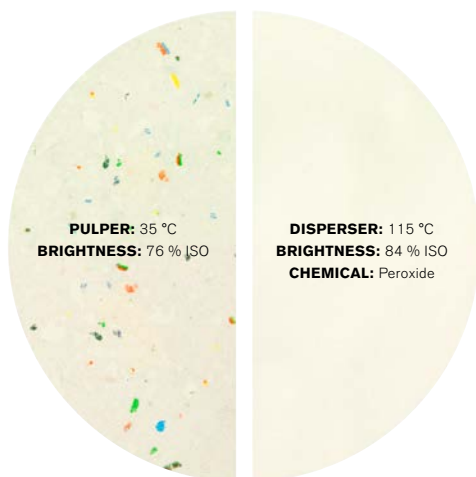
KRIMA MODULAR DESIGN SYSTEM



CELLWOOD DISPERSING RESULTS

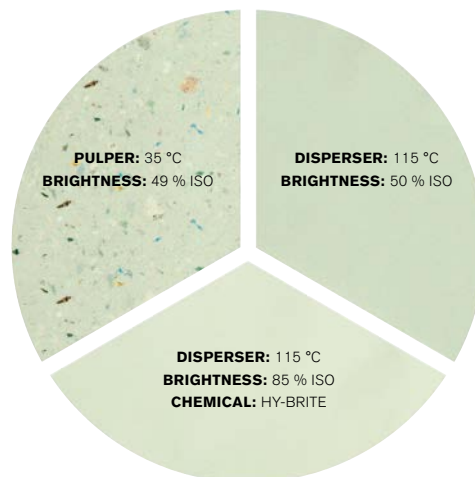
PRINTED CUTTINGS

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



COLOURED OFFICE WASTE

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



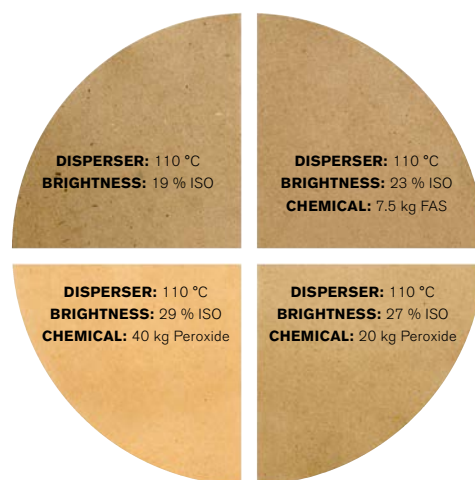
WET STRENGTH TISSUE WITH COLOURED PRINT

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



AOCC

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



Cellwood Machinery
 FOR BETTER PULP AND PAPER

Cellwood Machinery AB • Box 65 • SE-571 21 Nässjö • Sweden • Phone +46 380-76000 • Fax +46 380-141 23
 Street Address • Storgatan 53 • SE-571 32 Nässjö • Sweden • E-mail: sales@cellwood.se • www.cellwood.se