



## **REFERENCE LIST**

### **YEAR CUSTOMER**

#### **- EQUIPMENT**

- 2011 BOTNIA, AANEKOSKI, FINLAND  
- 1 PC BALE STACKER
- 2011 STORA ENSO, UIMAHARJU, FINLAND  
- 1 PC BALE STACKER
- 2011 STORA ENSO, UIMAHARJU, FINLAND  
- 1 PC REBUILD OF PULP DRYING MACHINE'S WET END, INCLUDING:  
- 1 PC FRAME OF PULP DRYING MACHINE'S WIRE SECTION  
- 1 PC BREAST BOARD  
- 2 PC FOIL BOXES  
- 3 PC FLAT SUCTION BOXES  
- 1 PC FELT GUIDE
- 2010 UPM-KYMMENE, KYMI, KUUSANKOSKI, FINLAND  
- 1 PC MODIFICATION OF BALE PRESS
- 2010 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND  
- 1 PC BALE HANDLING EQUIPMENT, INCLUDING:  
- 1 PC PULP SHEET DISPENSER  
- 1 PC FOLDING MACHINE  
- 1 PC ELECTRIFICATION AND CONTROLS
- 2010 STORA ENSO, SUNILA, FINLAND  
- 1 PC SAFETY SYSTEM, INCLUDING:  
- 1 SET FENCES AROUND THREE BALE LINES  
- 1 SET MECHANICAL STOPPERS FOR MOVABLE CONVEYORS  
- 1 SET SAFETY LIMITS SWITCH FOR MOVABLE CONVEYORS  
- 1 SET SAFETY BEAMS FOR MOVABLE CONVEYORS
- 2010 BUKOCEL, HENCOVE, SLOVAK  
- 1 PC BALE HANDLING EQUIPMENT, INCLUDING:  
- 1 PC PAPER WRAPPING MACHINE  
- 3 PC WIRE STRAPPING MACHINE  
- 1 PC FOLDING MACHINE  
- 1 PC CONVEYOR FOR PRINTER  
- 1 PC CONTROLS AND ELECTRIFICATION
- 2010 BOTNIA, AANEKOSKI, FINLAND  
- 1 PC BALE HANDLING EQUIPMENT, INCLUDING:  
- 1 PC REBUILD OF BALE STACKER  
- 3 PC BALE CONVEYORS  
- 1 PC CONTROLS AND ELECTRIFICATION
- 2010 BOTNIA, AANEKOSKI, FINLAND  
- 1 PC BALE HANDLING EQUIPMENT, INCLUDING:  
- 3 PC REBUILD OF WIRE TYING MACHINE  
- 1 PC REBUILD OF BIG BALE TYING MACHINE  
- 1 PC REBUILD OF FOLDING MACHINE  
- 1 PC CONTROLS AND ELECTRIFICATION
- 2010 UPM KAUKAS, LAPPEENRANTA, FINLAND  
- 1 PC BALE HANDLING EQUIPMENT, INCLUDING:

- 1 PC REBUILD OF BALE STACKER
- 2010 STORA ENSO, UIMAHARJU, FINLAND
  - 1 PC REBUILD OF PULP DRYING MACHINE'S WET END, INCLUDING:
    - 1 PC FRAME OF PULP DRYING MACHINE'S WIRE SECTION
    - 1 PC SUCTION BOX
    - 1 PC FELT STRETCHING
    - 1 PC FELT GUIDE
- 2009 UPM KAUKAS, LAPPEENRANTA, FINLAND
  - 1 PC REBUILD OF UNITIZER TYING MACHINE
- 2008 SAVONIA POWER, VARKAUS, FINLAND
  - 1 PC ASSEMBLY OF TURBOGENERATOR
- 2008 PANKABOARD, PANKAKOSKI, FINLAND
  - 2 PCS TRIM CUTTER
- 2007 STORA ENSO, VARKAUS, FINLAND
  - 1 PC BIG BALE BINDER
- 2007 SUNILA, SUNILA, FINLAND
  - MODIFICATION OF BALING DEPARTMENT FOR EXPORT BALE HANDLING, INCLUDING
    - PAPER ROLL WRAPPER MACHINE
    - 3 PCS BALE MARKING STATIONS
    - WIRE STRAPPERS
    - FOLDING MACHINE
    - 3 PCS BALE STACKERS
    - UNITIZER
    - CONVEYORS
  - CONTROLS AND ELECTRIFICATION OF WHOLE BALING DEPARTMENT
- 2007 CAIMA - INDUSTRIA DE CELULOSE, CONSTANCIA, PORTUGAL
  - 1 PC WRAPPER SHEET FOLDING MACHINE
- 2007 METSÄ-BOTNIA, KASKINEN, FINLAND
  - 1 PC WRAPPER SHEET FOLDING MACHINE
- 2006 CAIMA - INDUSTRIA DE CELULOSE, CONSTANCIA, PORTUGAL
  - 1 PC PAPER ROLL WRAPPER MACHINE
- 2006 CAIMA - INDUSTRIA DE CELULOSE, CONSTANCIA, PORTUGAL
  - 1 PC LENGHT CUTTING EQUIPMENT OF THE SHEET CUTTER LAYBOY
- 2006 STORA ENSO, CELBI, LEIROSA, PORTUGAL
  - 3 PCS PRESS ROLLS FOR THE CYLINDER DRYER SECTION
- 2006 UPM-KYMMENE, KAUKAS, LAPPEENRANTA, FINLAND
  - FELT GUIDE AND CONTROL EQUIPMENT FOR THE PRESS SECTION
- 2006 METSÄ-BOTNIA, KEMI, FINLAND
  - 1 PC WRAPPER SHEET FOLDING MACHINE
- 2006 STORA ENSO, VARKAUS, FINLAND
  - MODIFICATION OF THE SHEET CUTTER LAYBOY AND BALE LINE FOR EXPORT BALE HANDLING, INCLUDING
    - MODIFICATION OF THE SHEET CUTTER LAYBOY FOR WRAPPER SHEET HANDLING
    - WRAPPER SHEET DISPENSER
    - 2 PCS WIRE STRAPPING MACHINE
    - WRAPPER SHEET FOLDING MACHINE
    - UNITIZER STRAPPING MACHINE WITH STORAGE CONVEYORS
    - BALE MARKING STATION
    - CONTROLS
- 2006 METSÄ-BOTNIA, KASKINEN, FINLAND
  - 1 PC WRAPPER SHEET FOLDING MACHINE

- 2006 STORA ENSO, OULU, FINLAND
  - MODIFICATION OF THE SHEET CUTTER LAYBOY AND BALE LINE, INCLUDING
    - PULP WEB GUIDING EQUIPMENT
    - MODIFICATION OF THE SHEET CUTTER LAYBOY
    - WRAPPER SHEET DISPENSER
    - 3 PCS WIRE STRAPPING MACHINE
    - BALE STACKER
    - AUTOMATIC DEWIRING LINE FOR EXPORT UNITS
    - CONTROLS AND ELECTRIFICATION
  
- 2006 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - 1 PC WRAPPER SHEET DISPENSER
  
- 2006 METSÄ-BOTNIA, KASKINEN, FINLAND
  - 1 PC WRAPPER SHEET DISPENSER
  
- 2005 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - MODIFICATION OF THE PRESS SECTION OF THE PULP DRYING MACHINE, KK1, INCLUDING
    - NEW FRAME OF THE PRESS SECTION, COVERED WITH STAINLESS STEEL
    - NEW PICK UP SUCTION ROLLS WITH HYDRAULIC LOADING EQUIPMENT
    - NEW PRESS ROLLS
    - LOADING EQUIPMENT FOR THE MAIN FEED ROLL OF THE WIRE SECTION
    - HYDRAULIC SYSTEM FOR THE LOADING EQUIPMENT
    - CAPACITY INCREASE OF THE VACUUM SYSTEM
    - MODIFICATION OF THE CONTROLS
  
- 2005 PORTUCEL CACIA, CACIA, PORTUGAL
  - 1 PC CROSS CUTTER TO THE SHEET CUTTER
  
- 2005 UPM-KYMMENE, KAUKAS, FINLAND
  - 2 PCS HIGH PRESSURE WATER CUTTER TO THE DRYER SECTION
  
- 2005 UPM-KYMMENE, KUUSANKOSKI, FINLAND
  - 2 PCS PRESS ROLL WITH LOADING EQUIPMENT TO THE DRYER SECTION
  
- 2005 UPM-KYMMENE, PIETARSAARI, FINLAND
  - PRESS ROLL WITH LOADING EQUIPMENT TO THE DRYER SECTION
  
- 2005 CAIMA, CONSTANCIA, PORTUGAL
  - THE SHEET CUTTER LAYBOY WITH BROKE CONVEYOR
  
- 2005 METSÄ-BOTNIA, KASKINEN, FINLAND
  - WRAPPER SHEET DISPENSER
  
- 2004 TIMBERPACK, PIETARSAARI, FINLAND
  - AUTOMATIC DEWIRING LINE FOR EXPORT UNITS
  
- 2004 METSÄ-BOTNIA, JOUTSENO, FINLAND
  - TURNING EQUIPMENT FOR BIG BALES
  
- 2004 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - HIGH PRESSURE WATER CUTTER
  
- 2004 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - CONVEYOR-LINE WITH ELEVATOR, CONTROLS AND ELECTRIFICATION
  - PRESS ROLL WITH LOADING EQUIPMENT TO THE DRYER SECTION
  
- 2004 PORTUCEL TEJO, VILA VELHA DE RODAO, PORTUGAL
  - MODIFICATION OF THE SHEET CUTTER LAYBOY AND BALE LINE, INCLUDING
    - MODIFICATION OF THE SHEET CUTTER LAYBOY
    - WRAPPER SHEET DISPENSER
    - PULP WEB GUIDING EQUIPMENT
    - CONTROLS AND ELECTRIFICATION
    - BROKE CONVEYOR UNDER SHEET CUTTER LAYBOY

- 2003 STORA ENSO, UIMAHARJU, FINLAND
  - BALE MARKING STATION
  - 2 PCS HIGH PRESSURE WATER CUTTER FOR TAIL FEEDING
  - AUTOMATIC TAIL FEEDING SYSTEM TO THE CUTTER LAYBOY
- 2003 METSÄ-BOTNIA, KEMI, FINLAND
  - MODIFICATION OF THE WRAPPER FOLDING MACHINE
- 2003 PORTUCEL CACIA, CACIA, PORTUGAL
  - UNITIZER-LINE
  - WRAPPER FOLDING MACHINE
  - MODIFICATION OF THE ECONORAP
  - CONTROLS AND ELECTRIFICATION
- 2003 SVILOSA, BULGARIA
  - THE SHEET CUTTER LAYBOY
  - CONTROLS
- 2002 UPM-KYMMENE, KUUSANKOSKI, FINLAND
  - UPPERFELT EQUIPMENT FOR THE 1<sup>ST</sup> PRESS
- 2002 METSÄ-BOTNIA, JOUTSENO, FINLAND
  - EXPORT BALE LINE INCLUDING
    - WRAPPER SHEET DISPENSER
    - 2 PCS WIRE STRAPPING MACHINE
    - WRAPPER FOLDING MACHINE
    - UNITIZER-STRAPPING MACHINE
    - CHAIN CONVEYORS
    - CONTROLS AND ELECTRIFICATION
- 2002 STORA ENSO, UIMAHARJU, FINLAND
  - MODIFICATION OF THE CUTTER LAYBOY'S DRIVES
- 2002 UPM-KYMMENE, KUUSANKOSKI, FINLAND
  - BALE STACKER
- 2002 METSÄ-BOTNIA, KEMI, FINLAND
  - LAYBOY PART OF THE CUTTER LAYBOY
  - BALE CONVEYOR LINE
  - CONTROLS AND ELECTRIFICATION
  - TAIL CUTTER AFTER THE DRYING PART
  - PULP WEB GUIDING SYSTEM AFTER THE DRYING PART
  - TAIL FEEDING SYSTEM TO THE WET END
- 2002 UPM-KYMMENE, KAUKAS, LAPPEENRANTA, FINLAND
  - MODIFICATION OF THE CUTTER LAYBOY'S DRIVES
  - 3 PCS CONVEYOR FOR THE WIRE STRAPPER
- 2002 SUNILA, SUNILA, FINLAND
  - BIG BALE TURNING EQUIPMENT
- 2001 METSÄ-BOTNIA, JOUTSENO, FINLAND
  - BIG BALE BINDER
- 2001 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - WEB GUIDE ROLL
- 2001 STORA ENSO, UIMAHARJU, FINLAND
  - MODIFICATION OF THE CUTTER LAYBOY'S LAYBOY PART
  - MODIFICATION OF THE WRAPPER SHEET DISPENSER
- 2001 UPM-KYMMENE, KAUKAS, LAPPEENRANTA, FINLAND
  - LAYBOY PART OF THE CUTTER LAYBOY
  - MODIFICATION OF THE BALE CONVEYORS

- 2001 STORA ENSO, KEMI, FINLAND
  - WRAPPER SHEET DISPENSER
  - WRAPPER SHEET CONVEYOR LINE AND BALE CONVEYOR LINE
  - CONTROLS AND ELECTRIFICATION
- 2001 STORA ENSO, KEMI, FINLAND
  - MODIFICATION OF THE UNITIZER-TYING MACHINE
  - CONTROLS AND ELECTRIFICATION
- 2001 UPM-KYMMENE, KAUKAS, LAPPENRANTA, FINLAND
  - SHEET CONVEYOR OF THE CUTTER LAYBOY
- 2000 METSÄ-BOTNIA, JOUTSENO, FINLAND
  - CUTTER LAYBOY'S BALE TABLE CONVEYOR
  - BIG BALE LINE, INCLUDING
    - BALE WEIGHING SYSTEM
    - BALE PRESS
    - BALE MARKING SYSTEM
    - BALE STACKER
    - BIG BALE STRAPPER
    - CONVEYORS
    - CONTROLS AND ELECTRIFICATION
- 2000 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - BALE LINE FOR THE BALE STORAGE
  - TRIM NOZZLE-SYSTEM
  - HIGH PRESSURE WATER CUTTER SYSTEM FOR TAIL FEEDING
  - TURNING EQUIPMENT WITH EL. MOTOR FOR THE PICK UP SUCTION ROLL
- 2000 UPM-KYMMENE, KAUKAS, LAPPEENRANTA, FINLAND
  - PULP WEB GUIDING SYSTEM
  - BALE STACKER
  - BALE MARKING SYSTEM
- 2000 SUNILA, KOTKA, FINLAND
  - HIGH PRESSURE WATER CUTTER SYSTEM FOR TAIL FEEDING
- 1999 METSÄ-BOTNIA, ÄÄNEKOSKI, FINLAND
  - BALE STACKER
  - CONTROLS AND ELECTRIFICATION
  - FELT CHANGE EQUIPMENT FOR THE BOTTOM ROLL OF THE 3<sup>RD</sup> PRESS
- 1999 UPM-KYMMENE, KAUKAS, LAPPEENRANTA, FINLAND
  - 2 PCS PRESS ROLL WITH LOADING SYSTEM TO THE DRYER PART
  - 3 PCS FELT ROLL
  - PRESS ROLL
- 1999 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - MACHINE CHEST
  - FOIL-BOX
  - 4 PCS LEVEL HEIGHT CONTROL FOR THE WET SUCTION BOX
  - DOCTOR FOR THE SUCTION ROLL'S FELT
- 1999 STORA ENSO, KEMI, FINLAND
  - WRAPPER FOLDING MACHINE
  - BALE STACKER
  - BALE LINE FOR THE BALE STORAGE
  - CONTROLS AND ELECTRIFICATION
- 1998 UPM-KYMMENE, KAUKAS, LAPPEENRANTA, FINLAND
  - WRAPPER FOLDING MACHINE
  - WRAPPER SHEET DISPENSER
  - CONTROLS
- 1998 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - 2 PCS LEVEL HEIGHT CONTROL FOR THE WET SUCTION BOX

- 2 PCS HIGH PRESSURE WATER CUTTER SYSTEM FOR TAIL FEEDING
- 1998 METSÄ-BOTNIA, ÄÄNEKOSKI, FINLAND
  - MODIFICATION OF THE SUCTION ROLL
- 1998 ENSO FINE PAPERS, OULU, FINLAND
  - 2 PCS SLITTER CUTTER ASSEMBLY FOR THE CUTTER LAYBOY
- 1997 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - MODIFICATION OF THE SUCTION ROLL
  - WRAPPER FOLDING MACHINE WITH CONTROLS AND ELECTRIFICATION
  - 2 PCS PRESS ROLL WITH LOADING SYSTEM TO THE DRYER PART
- 1997 METSÄ-SELLU OY, ÄÄNEKOSKI, FINLAND
  - MODIFICATION OF THE SUCTION ROLL
- 1997 ENOCELL OY, UIMAHARJU, FINLAND
  - MODIFICATION OF THE BALE CONVEYOR'S DRIVE SYSTEM
  - MODIFICATION OF THE WRAPPER SHEET DISPENSER
  - MODIFICATION OF THE CUTTER LAYBOY'S PRESS WHEELS
  - DECKLES FOR THE WIRE PART
- 1996 UPM-KYMMENE, WISAFORST, PIETARSAARI, FINLAND
  - MODIFICATION OF THE PRESS PART
  - FOIL-SUCTION BOXES
- 1995 METSÄ-SELLU, ÄÄNEKOSKI, FINLAND
  - MODIFICATION OF THE SUCTION ROLL
- 1995 VEITSILUOTO, OULU, FINLAND
  - BALE STACKER
  - CONTROLS AND ELECTRIFICATION
- 1994 METSÄ-SELLU, ÄÄNEKOSKI, FINLAND
  - SUCTION BOX WITH BEARINGS FOR THE SUCTION ROLL
- 1993 METSÄ-BOTNIA, KASKINEN, FINLAND
  - MODIFICATION OF THE SUCTION ROLL
- 1992 METSÄ-BOTNIA, KASKINEN, FINLAND
  - MODIFICATION OF THE SUCTION ROLL
- 1992 VEITSILUOTO, OULU, FINLAND
  - MODIFICATION OF THE CUTTER LAYBOY AND THE BALE LINE TO 250 KGS BALE