

Crafts and Textiles

CD-5

Technology: Twining / Twisting Machine

Description: The twining/twisting machine simplifies and fine tunes the twining and twisting process for textiles into one machine. The machine also has a suitable warping frame intended for twined/ twisted indigenous fiber materials.

Contact Details:

Dir. Celia B. Elumba

Philippine Textile Research Institute

(02) 837 2071 local 2369



PTRI-developed twining machine with twisting attachment

CD-6

Technology: Geo Handloom Machine

Description: The geo handloom machine is a special type of loom with specific reeds, harnesses and cloth beam and has a modified warping mechanism to help in the production of geotextile nets and mats.

Contact Details:

Dir. Celia B. Elumba

Philippine Textile Research Institute

(02) 837 2071 local 2369



Forest Products and Processes

CD-7

Technology: Non-Wood Dryers

Description: FPRDI's furnace-type dryers for non-wood materials include a panelized metal compartment dryer for water hyacinth stalks, pandan, sea grass and abaca; and a low-cost kiln-type handicraft dryer with a single-line diameter flue pipe.

Contact Details:

Dr. Romulo T. Aggangan
Forest Products
Research and
Development
Institute
(049) 536 2377



CD-8

Technology: Heat Treatment for Wood Pallets

Description: The heat treatment uses FPRDI's modified furnace-type dryer with computerized data logger as a safe, inexpensive and eco-friendly way of eliminating pests and diseases infesting wooden pallets and other wooden packaging materials.

Contact Details:

Dr. Romulo T. Aggangan
Forest Products Research and
Development Institute
(049) 536 2377



Forest Products and Processes

CD-9

Technology: Bamboo Technologies

Description: FPRDI's innovative technologies for processing bamboo include bamboo veneer lathe, bamboo flattening machine, do-it-yourself bamboo shelter and bamboo joining system.

Contact Details:

Dr. Romulo T. Aggangan
Forest Products Research and
Development Institute
(049) 536 2377



CD-10

Technology: Preservative Treatment for Electric and Power Poles

Description: Copper azole is an eco-friendly wood preservative that inhibits decay, drying and insect infestation in utility poles. Copper azole treatment allows for industrial tree plantation species to be used as utility poles in power and telecommunication lines.

Contact Details:

Dr. Romulo T. Aggangan
Forest Products Research and
Development Institute
(049) 536 2377



Forest Products and Processes

CD-11

Technology: Abaca Fiber for Specialty Paper

Description: Abaca waste fiber can be added to local old corrugated cartons to reinforce and upgrade the quality of local packaging paper such as fiberboard and corrugated medium. The use of abaca waste fibers not only encourages recycling but it also generates employment and allows import substitution.

Contact Details:

Dr. Romulo T. Aggangan
Forest Products Research and
Development Institute
(049) 536 2377



CD-12

Technology: Base Paper from Abaca Waste Fiber for Currency Notes

Description: FPRDI technology has shown that lower-grade abaca fibers can be used in producing base paper for currency notes. It has shown fiber strength similar to high-grade abaca and better folding endurance, tear index and tensile strength compared to salago fiber.

Contact Details:

Dr. Romulo T. Aggangan
Forest Products Research and
Development Institute
(049) 536 2377

