



biomass technology group

Biomass consultants, researchers and engineers

BTG Biomass Technology Group BV is a private firm of consultants, researchers, and engineers, operating worldwide in fields of sustainable energy production from biomass and waste

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Sawdust Briquetting & Carbonisation Facility in North East China

- Project:** Set-up of a Chinese-Dutch joint-venture "Hailin Carbon Development Co. Ltd." in Hailin City, aimed at the production of carbonised sawdust briquettes. Provision of hardware, technical assistance and training.
- Period:** 1998-2000
- Problem:** Large amounts of sawdust are currently being dumped, leading to environmental nuisance and under-utilisation of resources. Local briquetting and carbonisation equipment is of poor quality.
- Technology:** Environmentally-sound production of charcoal from sawdust via high-pressure screw extrusion followed by advanced carbonisation yielding high-quality biomass briquettes.
- Plant layout:** Two screw extruders (0.5 t/hr capacity each), medium-scale carbonisation kiln (1000 t/yr) with supporting infrastructure. There are plans to double the production capacity in 2003.
- Organisation:** Joint project of BTG and Chinese partner Xinxing Supply & Marketing Co. Ltd. Project management, technical assistance and training by BTG.
- Financing:** Demo-project financed by Netherlands Ministry of Foreign Affairs (PSOM programme) and own funds, brought in by the partners.

