

Линия производства пеллет – ANLAGE ANDRITZ / NEUWERTIG:

- Производитель Andritz
- Местонахождение - Австрия
- Год 2008 / 2009
- 4-5 т/ч
- Цена нового оборудования 4,8 Mio €
- Подробности в предложении: включает систему подачи сырья, барабанную сушилку (Италия), теплогенератор, бункеры, упаковочную линию в мешки по 15 кг.

Контакты

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Цена с НДС под ключ: 2.100.000 €

Выполним демонтаж, транспортировку, таможенную очистку, монтаж и запуск у заказчика.



































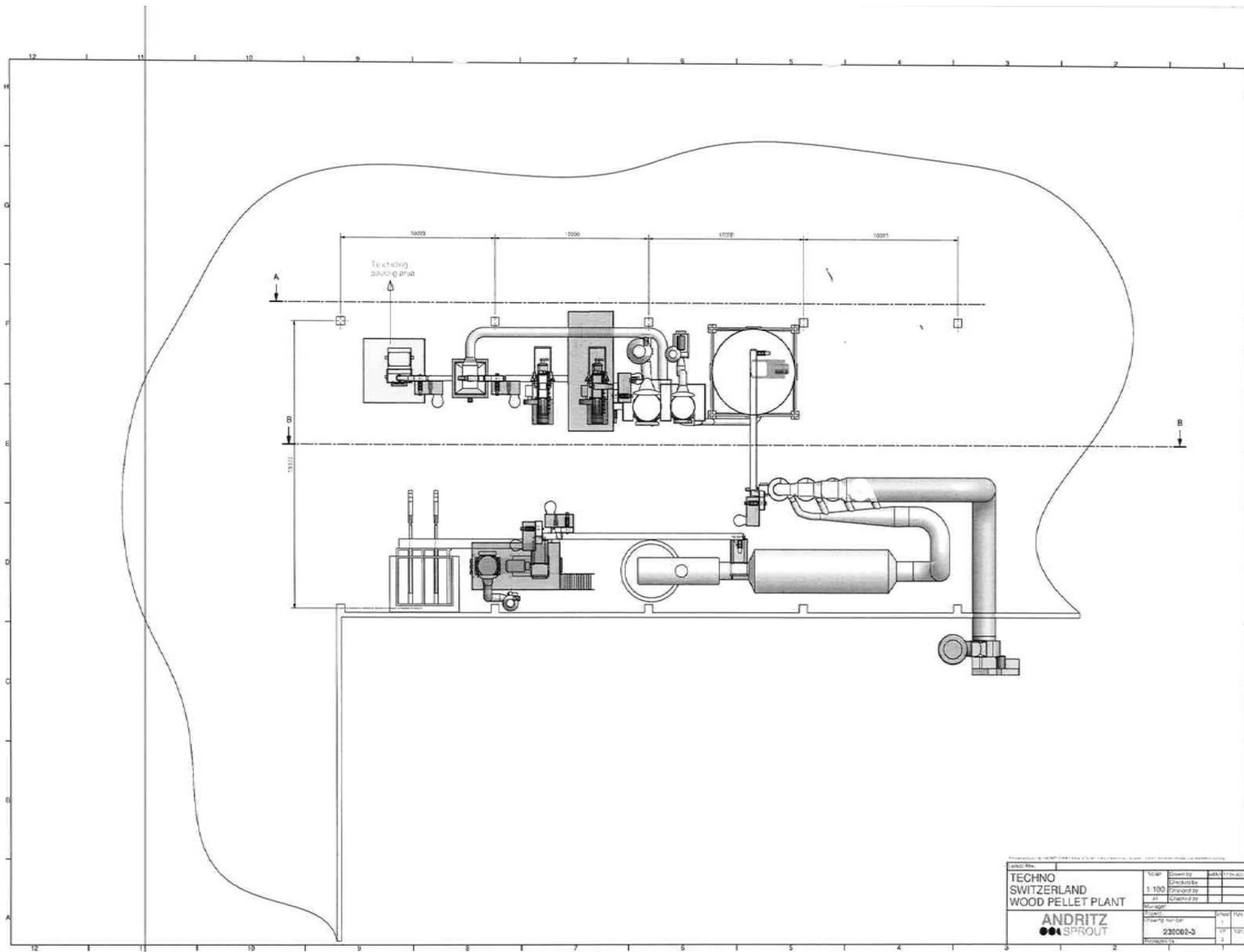


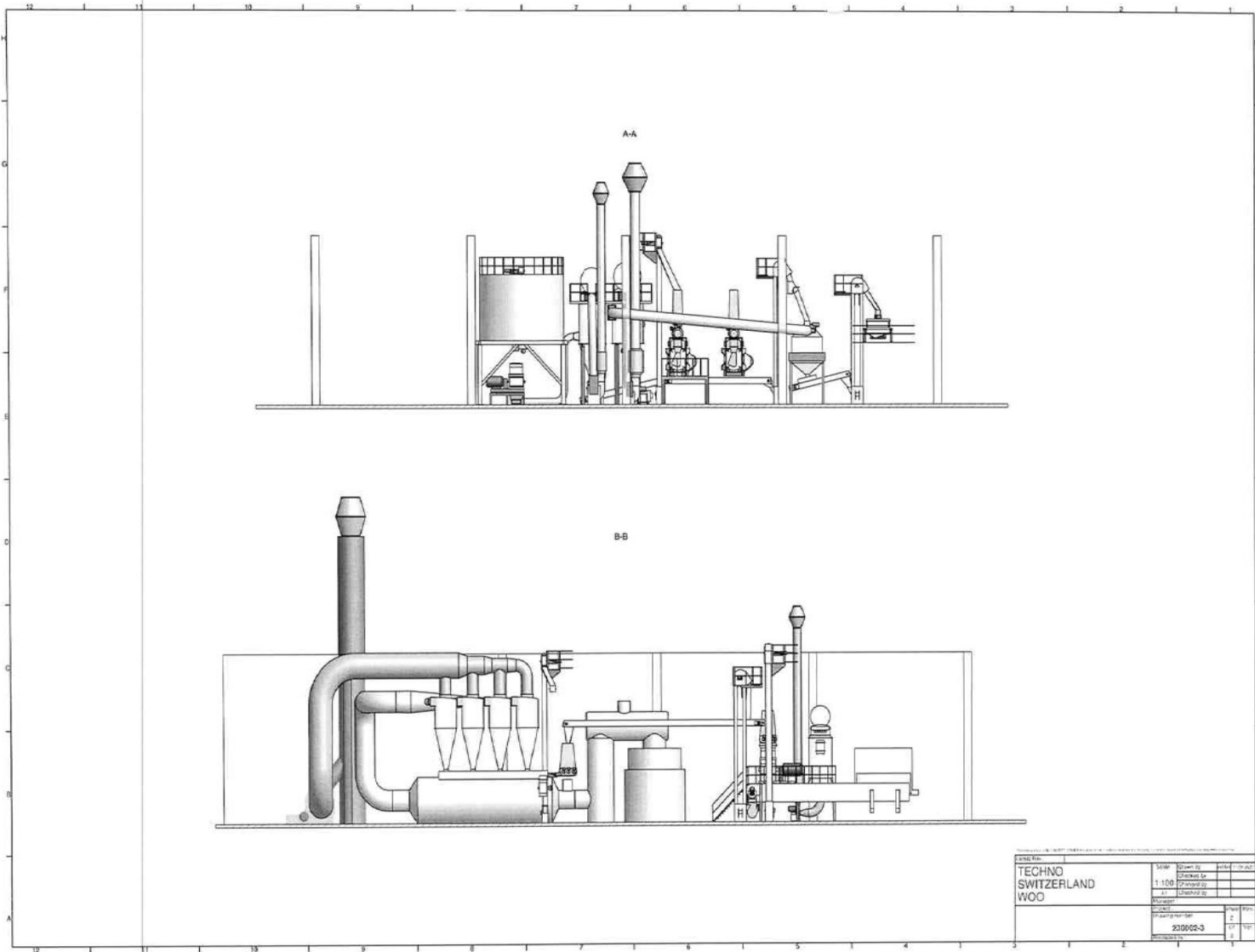












TECHNICO SWITZERLAND WOOD		Scale: 1:100 Drawing by: [blank] Checked by: [blank] Manager: [blank]	Date: [blank] Drawing no.: 230002-3 Scale: 1:100
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Intake and wet mill section

- N°1 **Walking floor**
- 5mtrs x 5mtrs overall length x wide
 - Made in mild Steel.
 - Hydraulic cylinders.
 - hydraulic motor.
 - app 16 t/hour capacity (50% moister).

- N°1 **Screw**
- ø400mms x 7mtrs overall length
 - Made in mild Steel.
 - app. 5.5kw geared motor.
 - app 16 t/hour capacity (50% moister).

- N°1 **Bucket elevator.**
- 8mtrs overall high
 - Made in mild Steel.
 - app. 4 kw geared motor.

Wet grinding

- N°1 **Hammer mill feeder type DS 315/250**
- 2 m³ pre-bin made of mild steel with negative angles.
 - Emergency emptying hatch.
 - Triple 3 screw with half increased pitch in inlet.
 - Inspection pane
 - Flexible connections
 - 2 empty and full level indicators
 - 3 x 1.5 kW gear motors
 - Danfoss frequency converter

- N°1 **A-S Magnet-air separator for hammer mill type OPTIMILL**
- Built-in permanent magnet.
 - Stone trap.
 - Inspection door.
 - Regulating slide for air intake.

- N°1 **A-S Hammer mill type OPTIMILL-900**
- Common bottom frame for mill and electric motor.
 - Coupling.
 - Motor bracket.
 - Vibration dampers on bottom frame.
 - Temperature sensors on main bearings.
 - Gate locking device.

- N°1 ABB electric motor, 250 kW, 1475 rpm., 3x 400 V, 50 Hz
Mounting included.

- N°1 **Frame with connection to discharge screw**

- N°1 **Discharge screw conveyor from hammer mill.** Triple 3 screw with half increased pitch in inlet.
- 3.0 kW gear motor.

- N°1 **Filter cyclon** housing without filter bags for hammer mill made of 2mm carbon steel including cleaning door and level control (min. + max.).

- N°1 **Fan.**
- Capacity: 6,500m³/h air at 15° C
 - Static pressure: 400mm w.g
 - Console and housing made of mild steel.
 - Travelling trolley made of Corten steel.
 - Belt drive with Electromatic speed guard.
 - Flexible connection on suction and pressure sides.
 - Vibration dampers.
 - 1" drain.

- N°1 - 18 kW electric motor, 3000 rpm.
- N°1 **Screw**
- ø400mms x 3mtrs overall length
 - Made in mild Steel.
 - app. 4kw geared motor.
 - app 16 t/hour capacity (50% moister).

- N°1 **Chain Conveyor.**
- 10mtrs overall length
 - Made in mild Steel.
 - 4kw geared motor.

Drying section

- N°1 **vertical oven type DES 7 MW**, special oven with mobile grate able to burn wet sawdust and bark

- N°1 **combustion grate included fireproof brickwork**
- Type MI-1x4 / 32
 - Drive Hydraulic drive
 - Grate width total 1880 mm
 - Grate length 4 926 mm
 - Grate surface 9,26m2
 - Number of grate wagons 4
 - Number of sub-air zones 4

- o Primary air system
- o Secondary air system
- o Re-circulation air system
- o Hoppers under grate and clinker chute
- o Ash conveyor
- o Fuel feeder
- o Hydraulic equipment
- o Combustion chamber
- o Control system
- o N°1 drying drum made of three coaxial elements of thick sheet iron with mixing and advancing blades, both ends are with inspection doors, supporting rings of iron sections – insulation included
- o Discharging rotary valve – complete with motor speed reducer powered with 15Kw electric motor

- N°1 **recycling screw conveyor** with speed reducer - electric motor kW. 5,5

- N°4 **supporting rollers** of large diameter turning on steel shafts on ball bearings

- N°1 **driving group** made of one speed reducing gear in cast iron casing, oil filled, cylindrical gears of hardened steel, shafts on roller bearing, toothwheel pinion and roller chain - electric motor kW. 19 - pulleys and belts

- N°1 **high efficiency blower** with reinforced sheet iron coil, statically and dynamically balanced impeller, steel shaft on ball bearings, pulley for vee belts air register - driven by kW. 110 electric motor

- N°1 **multi-cyclone (2 + 2)** of thick sheet iron with supporting frame and legs, discharge-rotating valves powered by kW. 2,2

- N°1 **connecting pipes** to the dryer

- N°1 **filter bag our type mod. 7** - antechamber in galvanized plate – filter's room, galvanized execution - 420 SNAP-RING sleeves in dralon - 42 solenoid valves – 420 galvanized cages 125 mm x 2500 mm – Venturi's room completed with inspection door - service stair and safety baluster – discharging screw conveyor with a rotary valve - motor from kW 2,2 - execution pre-assembled.

- Series of pipelines** and curves in painted carbon steel for the connection between the filter to the drier and the blower.

- N°2 **electronic temperature** controllers with digital display - sensible rods.

- N°1 **Ignitroll spark detector system** completed with 1 optical detector mod. IGN 505 IR - 1 power supplier 24 Vdc - 1 electronic circuit close into IP 55 housing with test push button.

- N°1 **main switchboard** in dust tight cabinet containing all necessary contactors duly interlocked in automatic action, switches relays push buttons - pilot light clamp, etc. - PLC type Siemens and operator panel.

- N°1 **automatic oil line** with cartridge

Dry grinding, hammermill section

- N°1 **Chain Conveyor.**
- 10mtrs overall length
- Made in mild Steel.
- 4kw geared motor.
- N°1 **Bucket elevator.**
- 12mtrs overall height
- Made in mild Steel.
- app. 4 kw geared motor.
- N°1 **Steel silo appr. 200 m³.**
- 12,5mtrs overall height
- 6 mtrs diameter
- Made in mild Steel.
- app. 4 kW Gearmotor.
- N°1 **Out loading system 2x 45 m³.**
- N°1 **Feed screw, type DS 2x250**
- Screw trough made of St. 37.
- 2 x screw.
- Inspection window.
- 2 x 2,2 kW Gearmotor (frequency regulated).
- N°1 **Separator for mill, type 650/800B.**
- Made in mild Steel.
- Built-in permanent magnet, which can be turned from the outside when it is cleaned.
- Stone trap with drawer.
- Primary air intake for mill.
- N°1 **Hammermill, type Multimill 650/800B with manual screen change.**
- Guide plate in top..
- Made in mild Steel.
- Bottom frame for mill and motor.
- Screen frames for screen.
- 1 set Ø6 mm screen.
- 1 set 6 mm hardened hammers.
- Coupling for motor with screen.
- Electronic temperature surveillance of bearings and the temperature inside grinding chamber.
- N°1 **Main motor 132 kW 3000 rpm.**
- N°1 **Frame with collection bin for mill.**
- Made in mild Steel.
- N°1 **Filter, 48/2400 with cone adapted to air-lock.**
- Made in mild Steel.
- Filter bags type PE/PE 501 AS (antistatic).
- Explosion relief with membrane.
- Differential pressure meter.
- Electronic control.
- Legs
Filter area: 43 m²
Load: 3,1 m³/min./m²
Pressure air: Nominal 105 Nl/min., 6 bar.
- N°1 **Level guard placed in the outlet of the filter.**
Remark:<Max dust emission after the filter is 15 mg/Nm³
- N°1 **Cell air-lock.**
- Made in mild Steel.
- Gearmotor: 2,2 kW.
- N°1 **Fan.**
- Console and housing made in mild Steel.
- Impeller made of Corten.
- Belt drive with speed guard, Electromatic.

- Flex connection on suction and pressure side.
- Manual guide slide throttle.
- Data: Air quantity 8.000 m³/h v/15°C.
Static pressure 800 mm w.g.
- Motor: 37,0 kW, 3000 rpm.

N°1 **Piping system:**

Suction pipe between mill and filter, and from filter to ventilator and to open air, 3mm painted and 1,5 mm galvanized steel.

N°1 **Chain Conveyor.**

- 6mtrs overall length
- Made in mild Steel.
- 2,2kw geared motor.

N°1 **Bucket elevator.**

- 8mtrs overall height
- Made in mild Steel.
- 2,2kw geared motor.

N°1 **Spark-detector system (fire protection)** for hammermill with 1 sensor, 1sprinkler and control unit.

Pelletmill section

N°1 **Pre-bin, 1,5m3.**

- Bin made of stainless steel
- Built with negative angles.
- Emergency emptying gate.
- 2 pcs. level guards, Rotonivo.

N°1 **Feed double screw 250.**

- Made of stainless steel.
- 2.2 kW gearmotor with separate cooling ventilator (frequency controlled).

N°1 **Conditioner, type SPROUT-MATADOR PM30,** volume: 750 litres.

- Stainless mixing trough.
- Cleaning hatch in full length, one side supplied with hatch switch.
- Motor, 11 kW 750 rpm.

N°1 **Steam equipment** for 200 kg/h consisting of (excluding boiler):

N°1 **Pellet mill, type SPROUT-MATADOR PM30-3,** especially designed for pelleting of biomass, with outer roller adjustment.

- Capacity – 4,5t/hr
- Central oil lubrication of gearbox with filter system fully closed and automatically controlled
- Oil pressure gauge, which disconnects the main motor at lacking oil pressure.
- Oil cooler, oil/air.
- Stainless exchangeable protection plates in pellet chamber and on gearbox.
- Crane for mounting and demounting of rollers and die.
- Twin inlet screws built with stainless cabinet, tooth belt drive.
- Motor: 2,2 kW for oil pump.
2,2 kW for inlet screws with thermistor
0,75 kW for oil cooler
0,12 kW for moving in and out the pellet chamber.

Incl.:

- Main motor 315kW 1500 rpm.
- 2 pcs. **Die Ø6 x 100 P__chrome steel.**
- 2 pcs. Complete rollers with channels for water-cooling.

N°1 **Tools for PM30-3 pellet mill.**

N°1 **Automatic grease lubrication system for max 2 pellet mills.**

N°1 **Water-cooling system (for max 2 pellet mills).**

N°1 **Two-way distributor**