



**CMC TEXPAN**

Machinery and Technology

## **RECYCLING UNITS**

**Turning waste wood into valuable material**





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The use of recycled wood in the production of wood-based panels (e.g. particleboard) has become more and more important, as it meets the need for sustainable industrial development and makes it possible to create more value with less environmental demand.

Needless to say, the use of recycled wood must not result in any problems related to safety and quality of finished panels, therefore an accurate treatment of recycled wood is definitely essential to turn it into a valuable raw material.

CMC TEXPAN's product spectrum includes complete plants for treatment of recycled wood, fully customizable according to the required capacities, as well as to the configuration of the production process.







## A typical recycled wood treatment station, processing pre-crushed material, may include:

- a ferrous contaminant removal unit;
- a primary roller separator to divide regular chips from oversize chips, complete with suction system to remove light pollutants such as paper, plastic foils and fibres;
- some units for the removal of ferrous and non-ferrous contaminants;
- a secondary roller separator to divide the material flow into fines, small chips and regular chips;
- a gravimetric separator, to further separate fines and convey them to the drying process;
- dry chips cleaners for treatment of small and respectively regular chips.

## Advantages:

- huge capacity range;
- high efficiency;
- systems operating in dry mode, no water required for operation;
- suitable for removal of contaminants of any kind.



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