Prodesa Belt Dryers

PRODESA Medioambiente is a Spanish engineering company specialised in providing drying solutions for the biomass sector.

It is more than ten years since they began working with the Swiss company W. Kunz dryTec AG, one of the European leaders in thermal drying technologies, under the brand Swiss Combi.

Over the last fifteen years, activities have evolved towards the bioenergy market, especially projects requiring drying of sawdust, wood chips and other biomasses for pellets production, gasification, cogeneration, etc.

Belt Dryers
Wet material is evenly dosed onto a belt, where an even layer is maintained. The product layer is transported through the dryer before being discharged into a screw, and recycled back over the belt, forming a second layer onto the first one.

By working with a two layers system, maximum saturation of the exhaust gas and therefore maximum energy efficiency is reached in addition to a more homogeneous final product. The emissions level is extremely low and generally less than 15 mg/Nm³ of dust can be guaranteed. Moreover, the low temperature level of the drying air avoids any VOC’s emissions or odours.

Spain and Portugal
The Spanish and Portuguese markets are following the trend of the Central and Northern European countries. At the end of this year Prodesa, just in Spain and Portugal and for pelleting purposes, will have built six plants for the annual drying capacity of over 300,000 tons of wood pellets, which together with the hundreds of references of Swiss Combi makes Prodesa one of the strongest references in the biomass thermal drying European market.

In the last years, Prodesa opened its path abroad being very active in numerous European countries where the company is now fully involved. For further information visit us at the World Bioenergy exhibition Sweden (stand A04:09), or visit our web site www.prodesa.net.

Text and photo: Prodesa Medioambiente