

## Wood steam kiln plants

For damping / steaming of beech, but also for other types of wood, the company Mischi Maschinen offers specially designed kiln for direct as well as for indirect steaming of wood. The steam chamber is heated by means of a steam basin with integrated tube bundle heat exchanger. Timber with the required quality and colour is steamed quickly and efficiently. Combined drying / steam kilns are also available.



In this modern high-temperature plant, wood is heated up to temperature of about 250 degrees Celsius under controlled atmospheric conditions, with the exclusion of oxygen. Thanks to this process, new characteristics such as dark, interesting tints, durability and dimensional stability can be achieved. The scientifically tested procedure functions purely thermally without the addition of chemical substances and also fulfils all current environmental and safety regulations. This procedure makes thermo-wood a perfect material to use in all areas where climatic modifications and variations in humidity prevail, outdoor areas or wooden floors with under floor heating.

Thanks to high-temperature processing, thermo-wood has improved rot-resistance properties and also demonstrates increased resistance to both fungi and climatic influences. The resistance of deciduous wood can be compared with that of teak wood. The quality achieved by through thermo-processing can also be found in the interior of the wood. It is for this reason that front sides, cut surfaces and drill holes are protected likewise. No more annual impregnation of your terrace floors, external doors or shutters is needed.



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