

**Division Wood Technology**

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**Our Range of Products for the Veneer and Plywood Industry:**

- Roller-track dryer
- Continuous veneer dryers
- Belt dryers
- Press dryers for sliced veneers
- Press dryers for LVL veneers
- Infeed and outfeed systems
- Sorting and stacking systems
- Veneer slicers
- Sliced-veneer production lines
- Peeled-veneer production lines
- Blockboard and plywood mills
- Grading lines
- Rotary slicers

**Thermojet®compact  
 BD I 280/4 (2+4T) m.K. (1,2s)**

Working width	2.80 m
Effective heated length	9.00 m
Ventilated cooler length	1.20 m
Overall length of dryer	10.00 m
Overall width of dryer	5.30 m
Overall height of dryer	3.00 m

**Motors provided:**

dryer	1 x 15.0 kW
cooler	2 x 2.2 kW
conveyor belts	1 x 3.0 kW

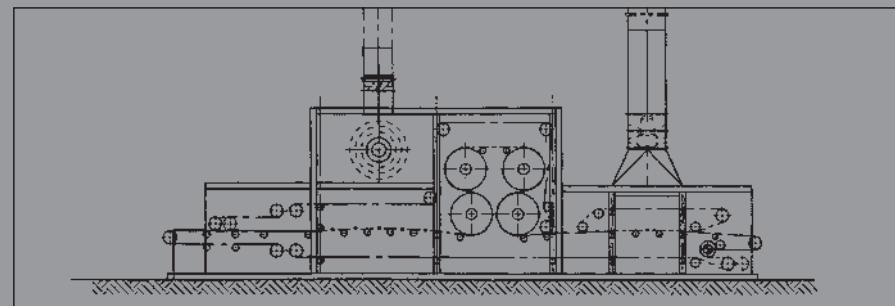
**Thermojet®midi  
 BD I 280/4 (1T+3T) m.K. (2s)**

Working width	2.80 m
Effective heated length	13.10 m
Ventilated cooler length	2.00 m
Overall length of dryer	11.00 m
Overall width of dryer	5.30 m
Overall height of dryer	4.40 m

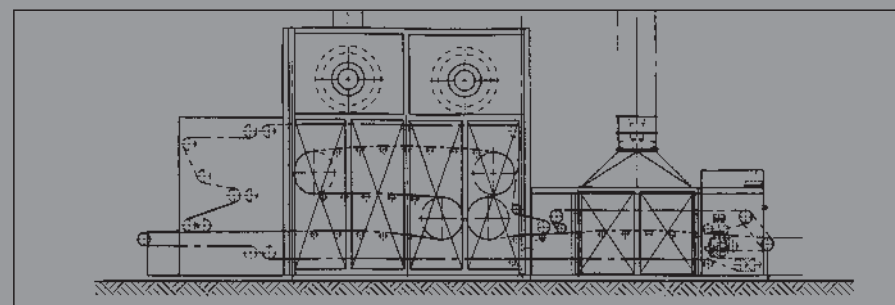
**Motors provided:**

dryer	2 x 5.5 kW
cooler	2 x 3.0 kW
conveyor belts	1 x 4.0 kW

Steam, hot water or thermal oil heated



Thermojet®compact



Thermojet®midi



**The Ultimate Drying Machines**  
 Thermojet®compact Thermojet®midi



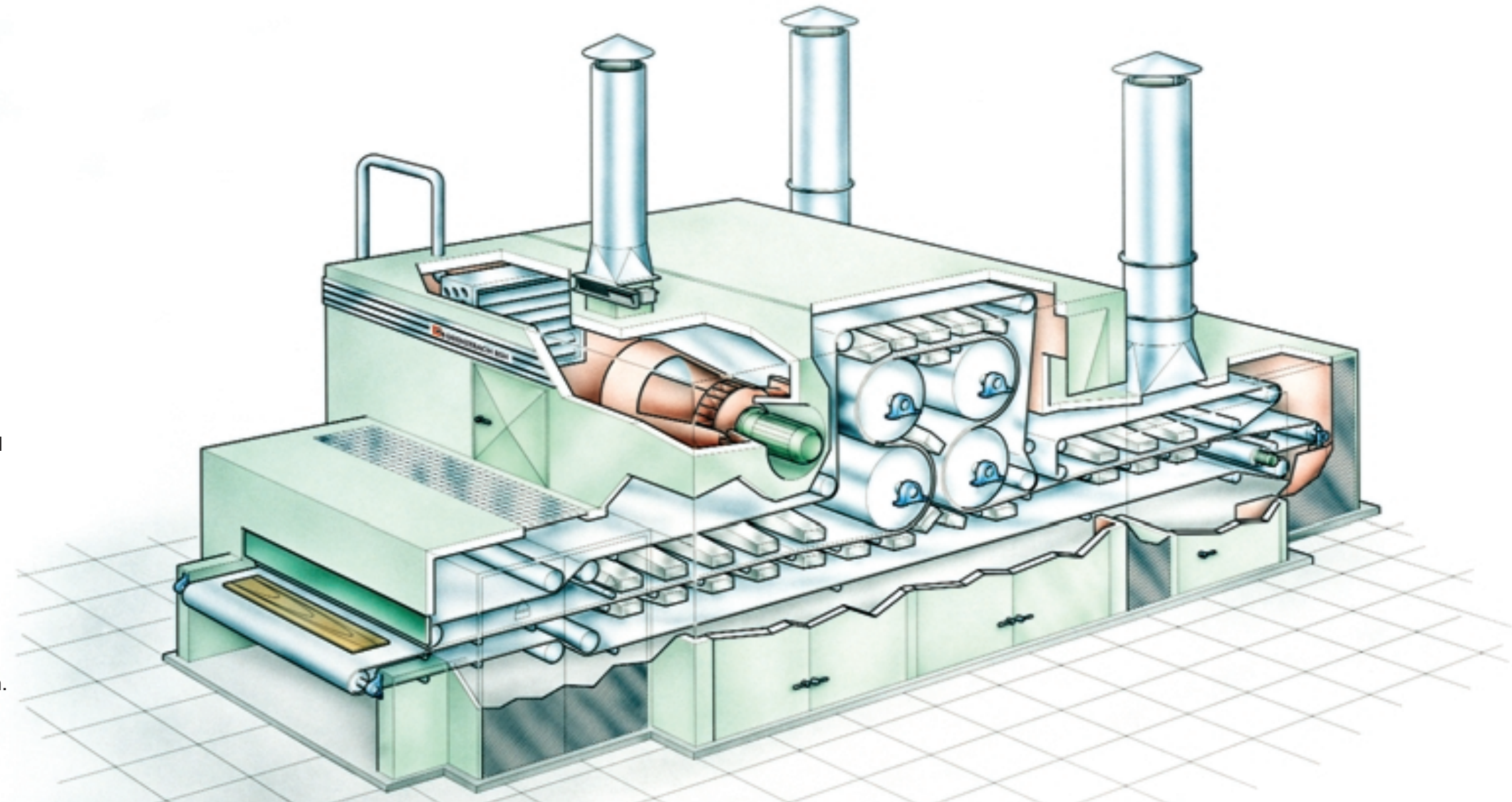
# The Ultimate Drying Machines

- Special compact design for thin sliced veneers
- Ideal for arrangement downstream from horizontal slicers or before splicing
- Using latest press drying technology with big drums
- High veneer quality
- Stainless steel belts

Especially designed for thin veneers, the Thermojet<sup>®</sup>compact and Thermojet<sup>®</sup>midi use the most advanced and proven Grenzebach-BSH press drying technology with integrated preheating, four-drum-

pressing, and cooling section for the production of high quality dried veneers in spite of the small and compact overall dimensions. Best quality stainless steel belts prevent metal markings.

The dryers can be designed for steam, hot water, or thermal oil heating. Well insulated, the dryers have a low power and heat consumption. Oval tube heat exchangers, the axial fans and the Thermojet<sup>®</sup> jet boxes assure high drying capacities for thicker veneers, too.



## Thermojet<sup>®</sup>compact

Approx. Capacity of Veneers with Final Moisture Content FMC = 8 % ± 2 %

Wood Species	Beech	Oak (white)	Mixed Tropical Hardwood	Veneer Thickness [mm]	Steam [bar/°C]	Steam consumption [approx. kg/h]	Drying temperature [°C]
Absolute dry weight [kg/m <sup>3</sup> ]	640	640	600				
Initial moisture content IMC [%]	70	70	75				
Capacity m <sup>3</sup> /h Sheets/min *)	0.39 41.7	0.37 39.6	0.36 38.3	0.25	(2.5/125)	290	110
Capacity m <sup>3</sup> /h Sheets/min *)	0.50 22.1	0.47 21.0	0.46 20.3	0.60	(5/151)	380	136
Capacity m <sup>3</sup> /h Sheets/min *)	0.65 28.7	0.62 27.4	0.60 26.5	0.60	(10/179)	520	164

\*) wet veneer sheets 2,500 x 250 mm with a gap of 40 mm

## Thermojet<sup>®</sup>midi

Approx. Capacity of Veneers with Final Moisture Content FMC = 8 % ± 2 %

Wood Species	Beech	Oak (white)	Mixed Tropical Hardwood	Veneer Thickness [mm]	Steam [bar/°C]	Steam consumption [approx. kg/h]	Drying temperature [°C]
Absolute dry weight [kg/m <sup>3</sup> ]	640	640	600				
Initial moisture content IMC [%]	70	70	75				
Capacity m <sup>3</sup> /h Sheets/min *)	0.59 62.5	0.56 59.4	0.54 57.5	0.25	(2.5/125)	430	110
Capacity m <sup>3</sup> /h Sheets/min *)	0.75 33.1	0.71 31.5	0.69 30.5	0.60	(5/151)	570	136
Capacity m <sup>3</sup> /h Sheets/min *)	0.98 43.0	0.93 41.1	0.90 39.8	0.60	(10/179)	780	164

\*) wet veneer sheets 2,500 x 250 mm with a gap of 40 mm

Furthermore working widths of 3.50 m and 4.20 m are available.

