

TT SteelDryer



Toscotec started its production of steel dryers in the early 60's manufacturing them with various diameters, face lengths and working pressures. Thanks to latest developments, Toscotec is today capable to deliver high tech TT SteelDryers with reduced delivery time at competitive costs.

TT SteelDryer provides a long operating life combined with an extremely high drying capacity. The use of a TT SteelDryer instead of conventional cast iron cylinder offers significant benefits both on the economical and operational point of view either if installed in a new drying section or in case of revamping of an existing unit.

TT SteelDryer has a higher heat transfer rate thanks to the reduced

shell thickness when compared to the cast iron one. Since the thermal conductivity of steel and cast iron, in the range of operating temperatures (from 130°C to 180°C) is approximately the same (approx. 43 W/m °C), it is clear that TT SteelDryer has up to 30% more drying capacity.

Design process passes through different standardized phases: from 3D modeling to computer aided stress analysis; from manufacture to final certification, through intermediate inspection.

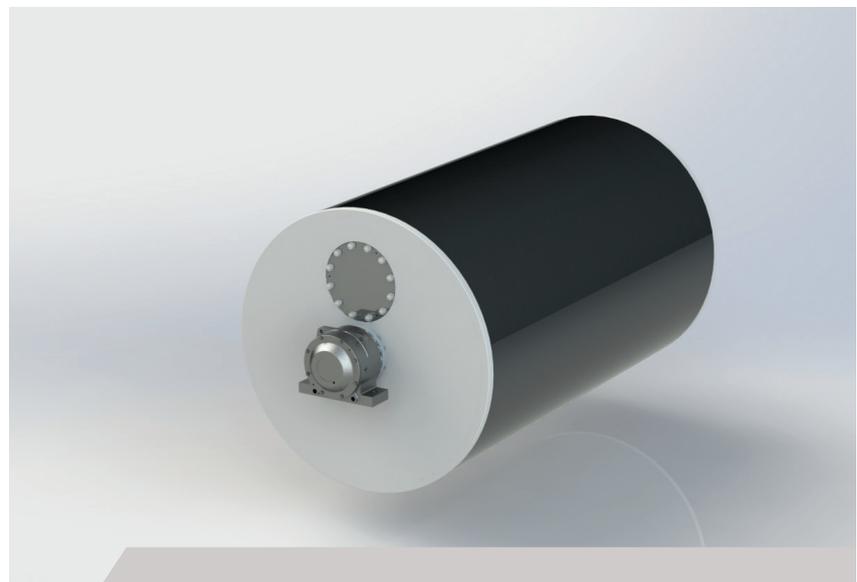
In case of a new paper machine, it is possible to use less dryers, with a evident reduced investment cost and space requirement. Otherwise, in case of modification of an existing paper machine, installing the same quantity of dryers delivers a higher

drying capacity. Another advantage of the use of TT SteelDryer is the wider drying face length, compared to the total cylinder face length, due to the shorter taper length, resulting in the possibility of drying a wider sheet width with the same space requirements.

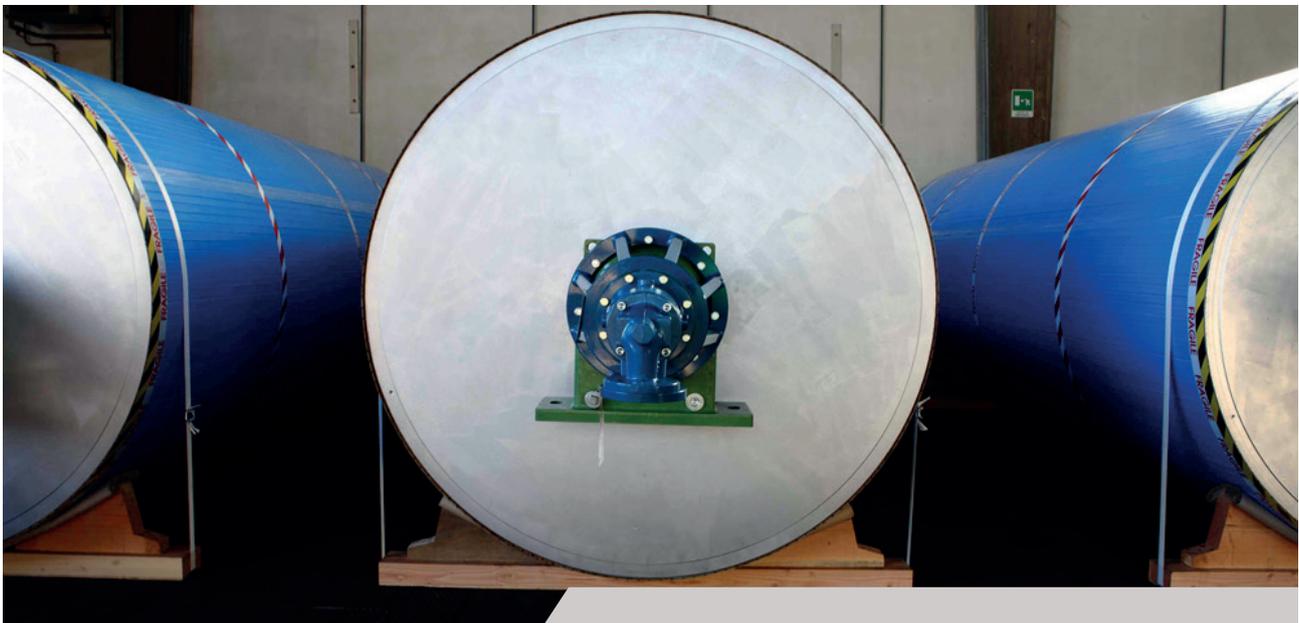
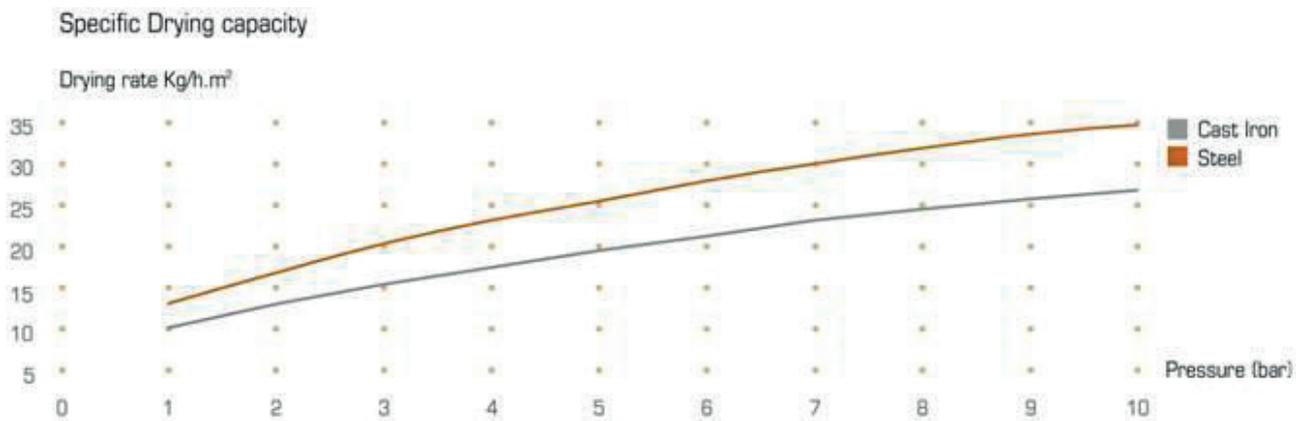
TT SteelDryer is supplied with a bolted shaft as a standard, with the advantage, in case of an accident or a bearing failure, to have the possibility to replace the damaged shaft.

Heat insulation of the head can be added as an option.

Finally, steel construction leads to a intrinsically safe pressure vessel construction, eliminating any risk of explosion and resulting in a safer working environment for the operators.



TT SteelDryer	
Dryer standard diameters	1250 mm, 1500 mm, 1800 mm, 2000 mm. Customized or imperial size available on request
Standard operating pressure	10 bar (g). Higher or lower pressure available on request
Standard journal arrangement	Bolted to the head
Head heat insulation	Option
Code	ASME, PED, China CSEI, Japanese JIS



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