

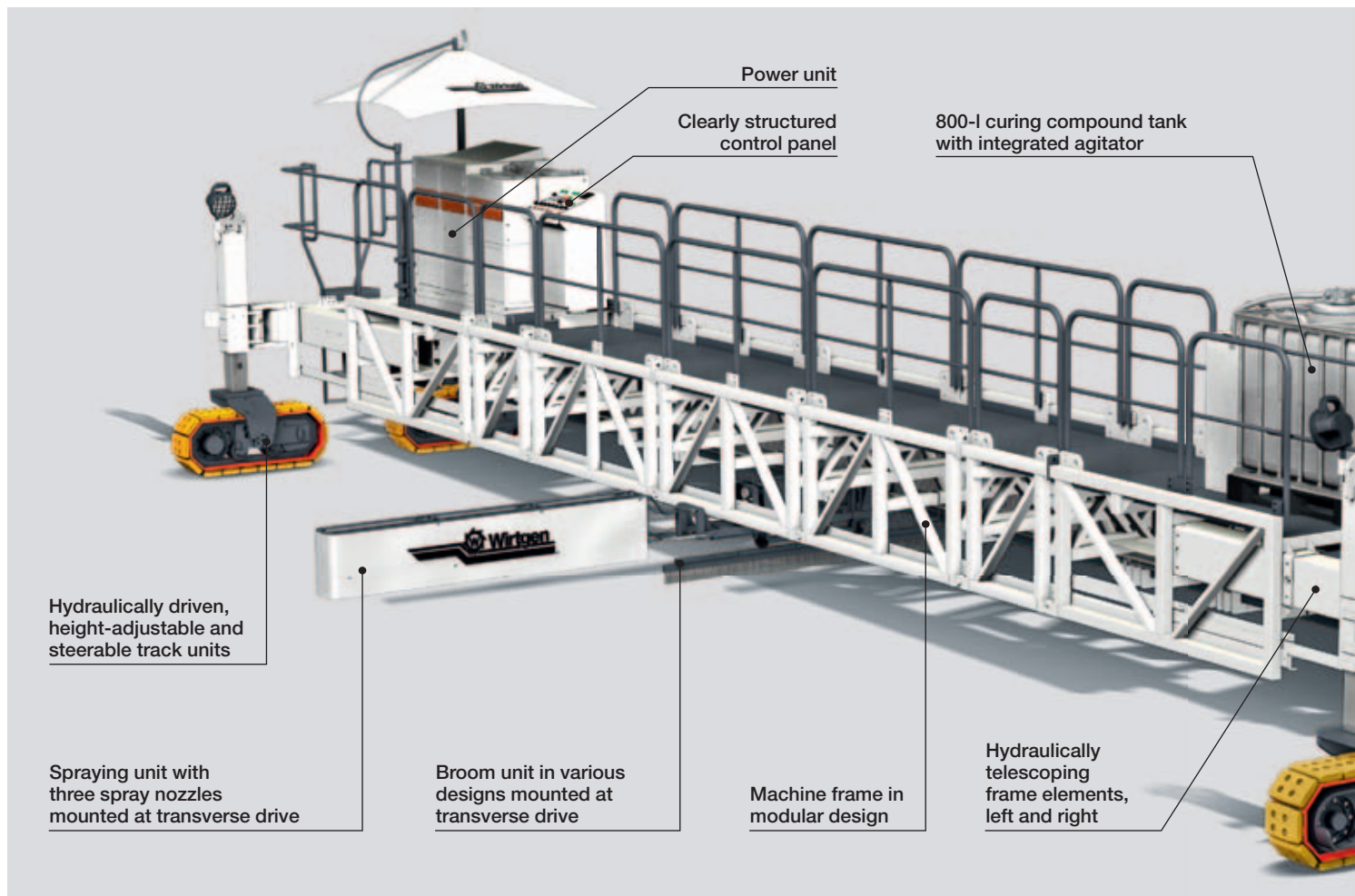


Optimal structure and protection of concrete surfaces

Texture curing machine TCM 950 / TCM 1800



High-quality curing of freshly paved concrete slabs



Anti-skid surfaces and optimal hardening processes

Professional curing of concrete surfaces is guaranteed by the self-propelled TCM 950 and TCM 1800 texture curing machines from Wirtgen. Concrete needs to be protected against premature drying during the hydration process to prevent stresses from occurring that can lead to excessive cracking. The texture curing machine is therefore equipped with an automatic spraying and broom-

ing unit, and follows right behind the slipform paver during the paving operation. The concrete slab is given the specified texture by moving a broom across the entire concrete surface. The spraying unit subsequently applies a thin film of curing compound on the freshly paved concrete surface to prevent premature evaporation.

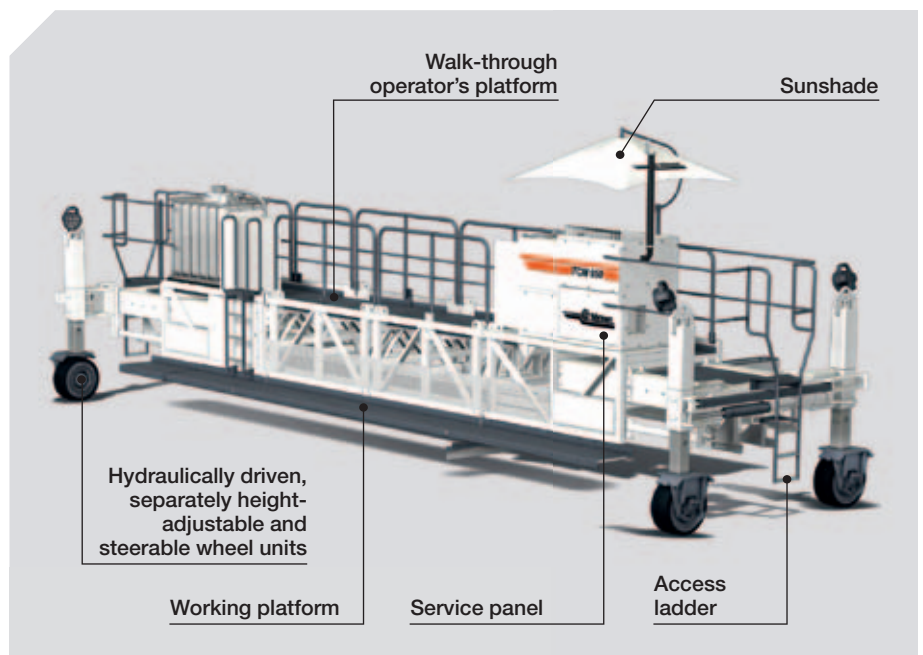
Machine post with hydraulic cylinder for height adjustment of the track units



◀ Components of the TCM 1800 texture curing machine

▼ Components of the TCM 950 texture curing machine

Extended service life



- ▶ The modular setup enables working widths from 4.0 m to 9.5 m with the TCM 950, and from 4.0 m to 18.0 m with the TCM 1800.
- ▶ The TCM 950 is equipped with four wheels, whereas the TCM 1800 is equipped with four track units.

- ▶ The track units of the TCM 1800 provide optimal traction at all times.
- ▶ The TCM 950 texture curing machine is suitable for subsequent conversion into a TCM 1800 model.

Giving the concrete pavement a fine finish

Grip as needed



◀ A burlap drag finish creates a slightly roughened surface



▲ Applying the broom finish gives the concrete surface a defined texture right after paving

◀ The surface is given the specified grip while simultaneously applying a curing compound

Applying the broom finish to create an effective surface texture

/// Different types of brooms are available for our texture curing machines to give concrete pavements the specified surface texture and grip. Both the broom and the spraying unit are mounted on a carrier that is driven via two cable drums and guides the broom in transverse direction across the entire pavement width. The broom unit

is automatically raised at both ends to prevent the concrete edge from damage. At the customer's request, the machine can also be equipped with a broom unit operating in longitudinal direction. If specified, a burlap or artificial turf is alternatively dragged across the freshly paved concrete surface instead of applying a broom finish.

State-of-the-art spraying technology facilitates optimal hydration



Ensuring uniform hardening of the concrete

Additional nozzles are switched on or off separately to spray the sides of the concrete slab ▼

▲ The spraying unit is guided across the entire slab width by means of a transverse drive

The spray nozzles are protected from wind by a tarpaulin ►



- ▶ The curing compound applied on the freshly paved concrete surface reliably prevents premature drying and subsequent cracking of the concrete slab.
- ▶ The spraying unit with three nozzles moves back and forth automatically to evenly apply the curing compound across the entire pavement width.
- ▶ Optimal application is ensured in both stop-and-go operation and “continuous advance” mode, for instance, when paving exposed aggregate concrete.
- ▶ Extended working time and curing compound consistency are ensured by an agitator equipped 800-l tank.

Intelligent equipment features make easy work

Smart detail solutions



◀ Extra wide working platform for convenient manual touch up



▲ Excellent view from the ergonomically designed operator's platform

Fine-tuning the working width: hydraulic telescoping of the two frame elements left and right by 1 m each ▶



Efficient operation saves time and cost

/// The TCM 950 and TCM 1800 offer a surprising wealth of practical features that are reflected in considerable overall time and cost savings. The texture curing machines consist of 2.0 m wide modules, for example, which are installed or removed in just a few simple steps to adjust the working width to conditions on the construction site. In addition, the adjustable machine frame allows

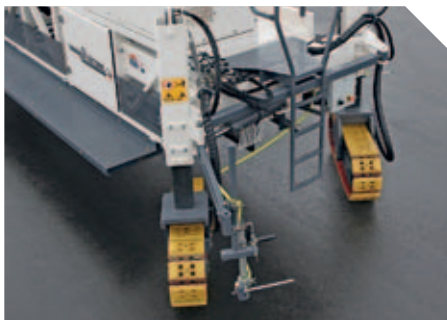
the precise curing of pavements with a central crown. Hydrostatic transmission enables the advance speed to be continuously adjusted from zero to maximum speed. Last but not least, the machine's range of applications is broadened by ancillary equipment features, such as the separate generator or a filling pump for the curing compound tank.

Smart steering for operation and transport

Folding the spraying unit into transport position ▶

Turning the track units 90° for transport ▼

No detours during transport



- ▶ The texture curing machine is equipped with an innovative self-loading feature.
- ▶ The sophisticated pivot steering system does not require any conversion to pivot the wheels or track units 90° from working into transport position.
- ▶ The machine's flexible steering system enables small turning radii when in working position, and easy maneuvering is ensured also when in transport position.
- ▶ The transport dimensions adhere to international standards.



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