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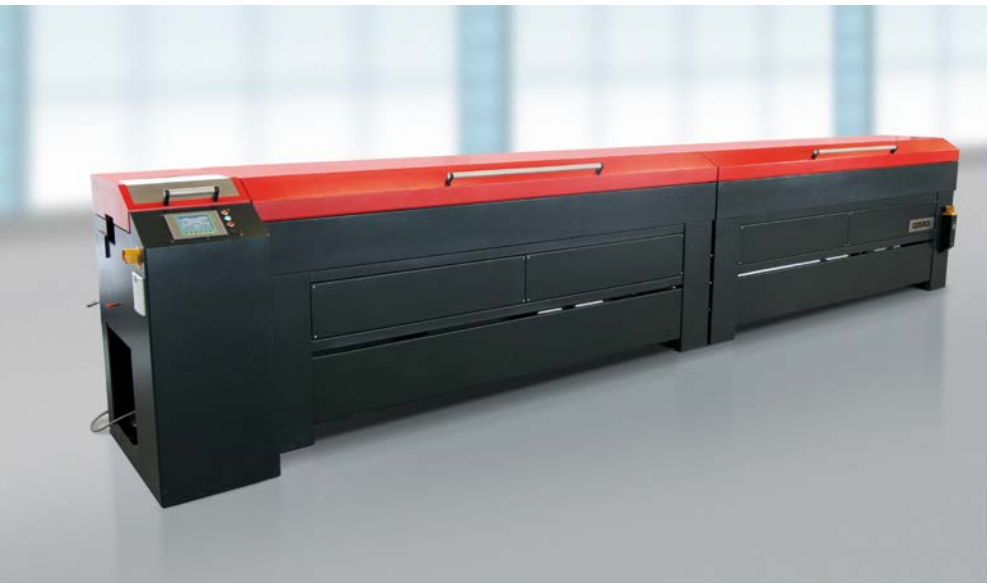
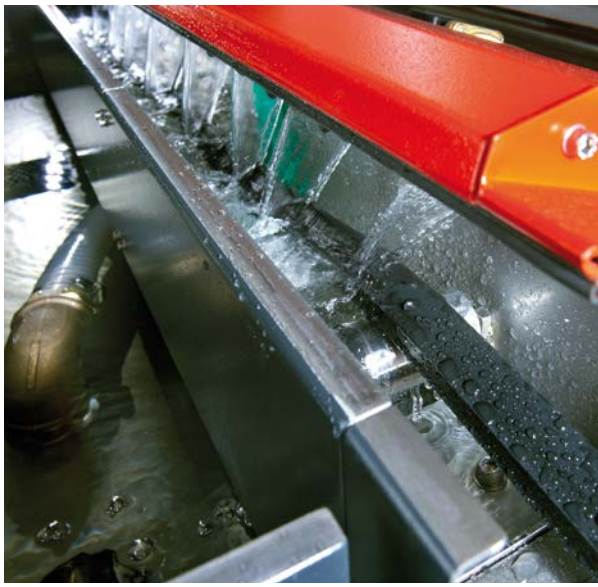
Cooling channel **TYPE 179**





Specially developed flush nozzles, characterize our cooling channel Type 179. The uninterrupted flow of water ensures cooling, even with extremely dirty and hard water.

Additional pooling allows submersion of the profile, thereby ensuring good heat dissipation. Even complicated profiles are perfectly dried in the added-on blow-off stations with rigid and flexible nozzle systems. We naturally use heat exchangers when connecting to existing cooling systems.

MACHINE HIGHLIGHTS

- **High cooling power possible**
- **Modular construction in 3 m zones**
- **Quick, simple profile feed**
- **Powerful blow-off station for profile drying**
- **Swivelling machine cover**
- **24 maintenance-free wide jet nozzles per zone**
- **Optional flush nozzle or submersion cooling**
- **Automatic water level regulation**
- **Profile guide via transport rollers**
- **Integrated circulation pumps, filters and heat exchanger**
- **Profile temperature capturing**
- **Operation via touch display**

MACHINE DATA TYPE 179

Effective machine cooling length	3 m and up
Profile pass-through aperture height	50 mm *
Profile pass-through aperture width	100 mm *
Machine clearance height	1000 mm *
Water circulation per 3 m zone	5000 l/ h
Plate heat exchanger	50 kW
Electrical power requirements	7 kW
Electrical connection	230/400 V, 3 Ph, 50 Hz, PE+N*
Machine version	CE standards, DIN standards
Compressed air connection	7 bar

MAIN STANDARD EQUIPMENT

Cooling zone	3 m*
Blow-off station	0,5 m*
Number of cooling nozzles per zone	24
Nozzle mounting	on hinged inner cover
Swivelling outer cover	yes
Profile feed-through	roller conveyor
Profile cooling by	flush nozzle or submersion cooling
Cooling using closed or open water circulation	yes
Automatic water level regulation	yes
Blow-off station with side channel blower	yes
Plate heat exchanger	yes
Electrical switch cabinet mounted	yes
PLC control	Siemens S 7-1200
Touch display	Siemens*

** or customised*

CONFIGURATION OPTIONS

- **Zone extension with 3 m steps**
- **Driven profile conveyor belt instead of roller conveyor**
- **Profile temperature capture at the channel outfeed**
- **Profile temperature control**
- **Cascade control of cooling nozzles**
- **Installation of spray nozzles and alternative inner channel versions**
- **Installation of blow-off nozzles to customer requirement**
- **Mobile channel version**
- **Operation with water chiller**
- **Other options on request**

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