

XtraPure

Decontamination module for PET recycling



 **KRONES**
RECYCLING

Three concepts for the decontamination of PET



Concept	Flake-to-flake	Flake-to-pellet	Flake-to-preform
Field of applications	Decontamination of washed flakes, e.g., for further processing into flexibles	Decontamination of washed flakes, processing into pellets	Decontamination of washed flakes, processing into preforms
Possible throughput	1,500 kg/h or 3,000 kg/h	1,500 kg/h or 3,000 kg/h	1,500 kg/h or 3,000 kg/h
Floor space required XtraPure* module	Approx. 550 m ² for 1,500 kg/h Approx. 750 m ² for 3,000 kg/h		
Floor space required complete line* (Grinding, washing module, flake sorting, decontamination module)	1,140 – 2,000 m ²		

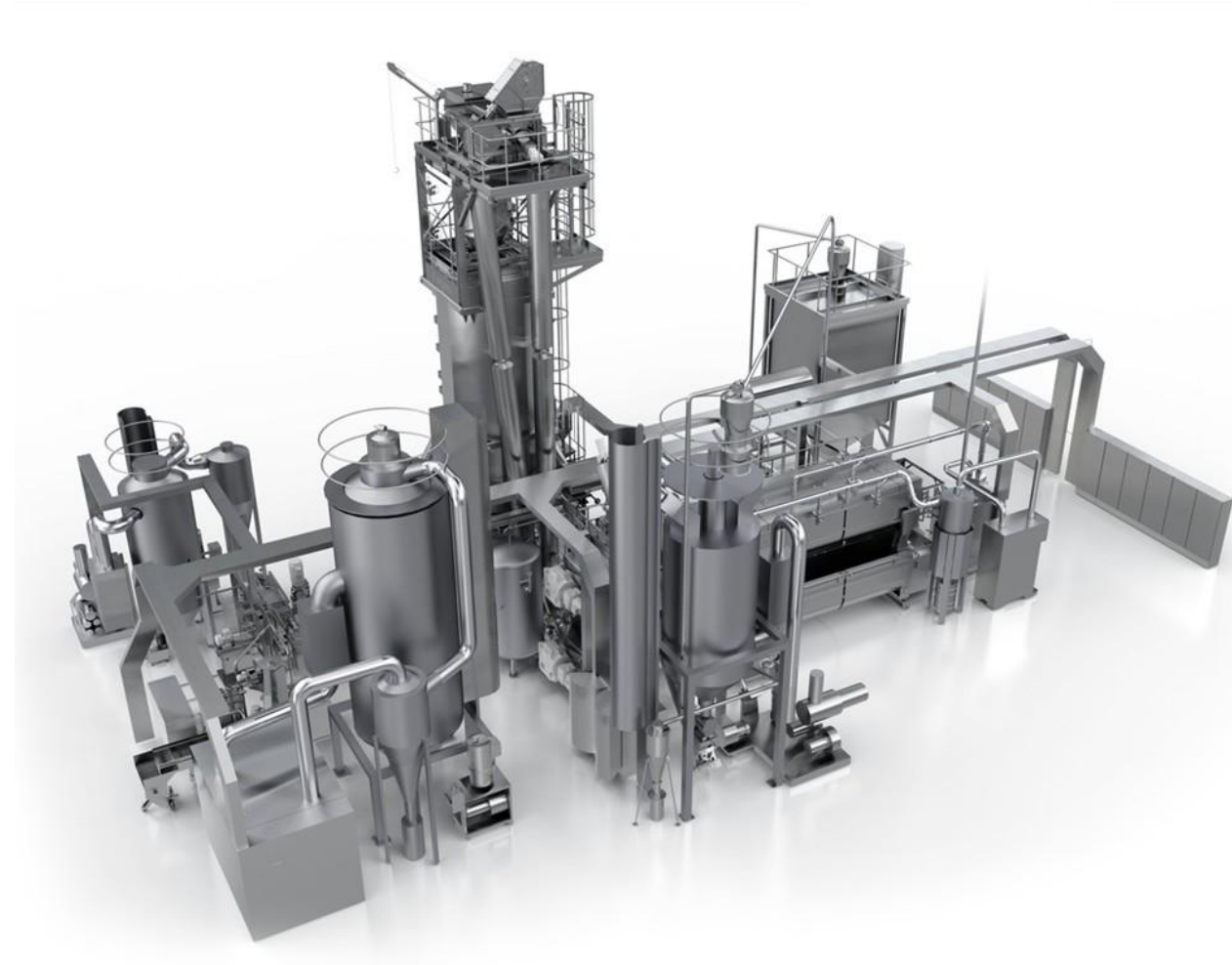
* Final values may deviate.

Functional details – XtraPure



Efficient. Resource-conserving. Certified.

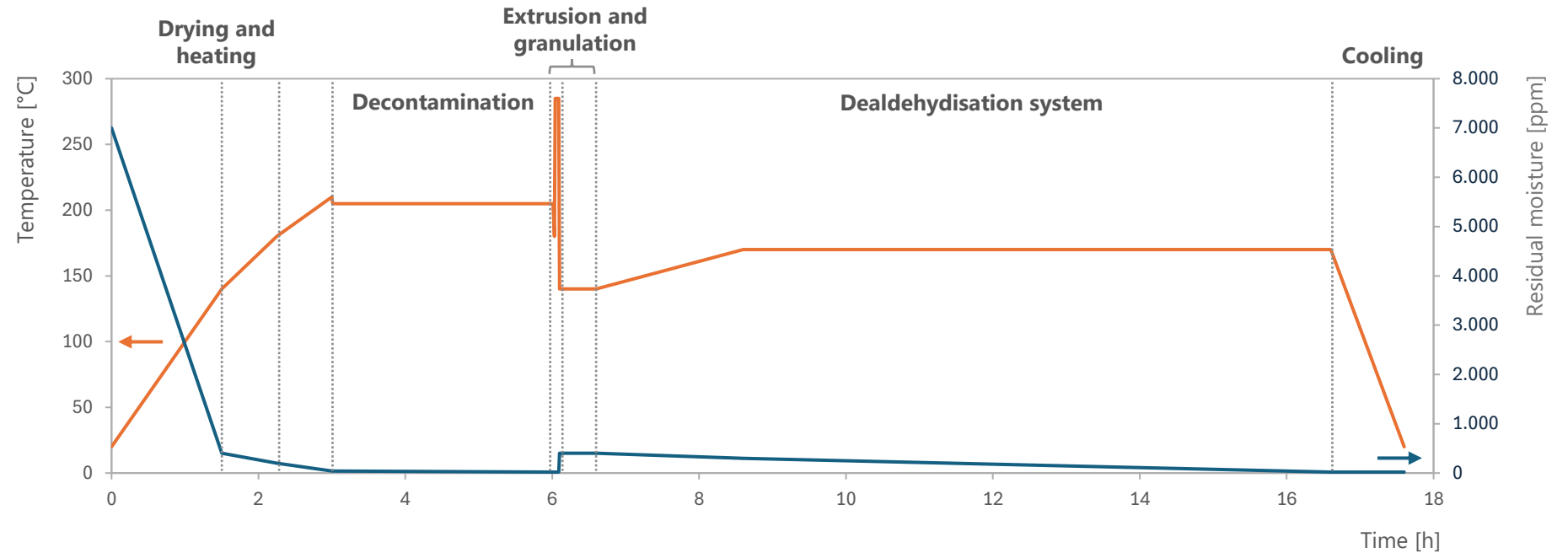
- EFSA and FDA certified decontamination performance for food-grade PET
- Low fine particle production thanks to short dwell time in rotating units
- Resource-efficient process: high energy efficiency due to optimised process sequence
- Flexible further processing options
- Perfect balance between economic efficiency and performance
- High-quality stainless steel design manufactured in-house



The temperature profile: more precision, less consumption



- Crystalliser
- Heating screw 1
- Heating screw 2
- Vacuum reactor
- Extruder
- Granulation
- Dealdehydisation system
- Cooling



Benefits to you

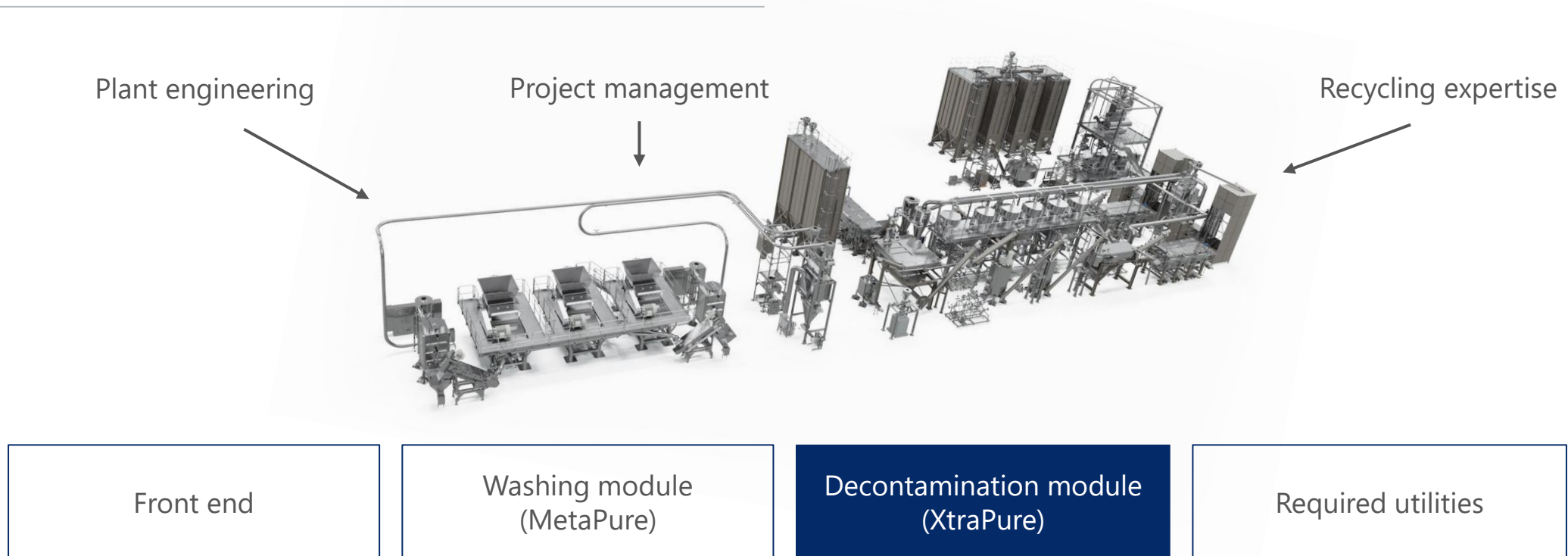
Gentle processing, energy-efficient heat guidance and flexible disconnection options for a maximum product quality

Benefits to you: our complete-system expertise

Krones Recycling as turnkey supplier



Complete recycling plant from a single source



Benefits to you: one single contact partner and fewer interfaces

Your benefits at a glance



Complete system competence

Thanks to our decades of experience in the plastics industry, we implement turnkey recycling solutions, from the initial idea to the finished plant.

Low energy and water consumption

Through intelligent process management and resource-saving technologies, we permanently reduce our customers' consumption, for sustainable economic efficiency and environmental responsibility.

Always at your side

The Lifecycle Service Team of Krones Recycling supports our customers as a forward-looking partner throughout the entire life cycle of your machines and systems.

High-quality recyclates

Our washing technology supplies recyclate in premium quality, the ideal basis for further processing for demanding applications, such as food contact.

Project management and service

Strong global network: A Krones Recycling project manager accompanies the entire project, from planning to acceptance. Installation and commissioning are carried out on site by our experienced team of experts – reliably and professionally.

Your enquiry

You can easily enquire a non-binding quotation in our [Krones.shop](https://www.krones.com/shop).



SOLUTIONS BEYOND TOMORROW

Krones Recycling GmbH

