

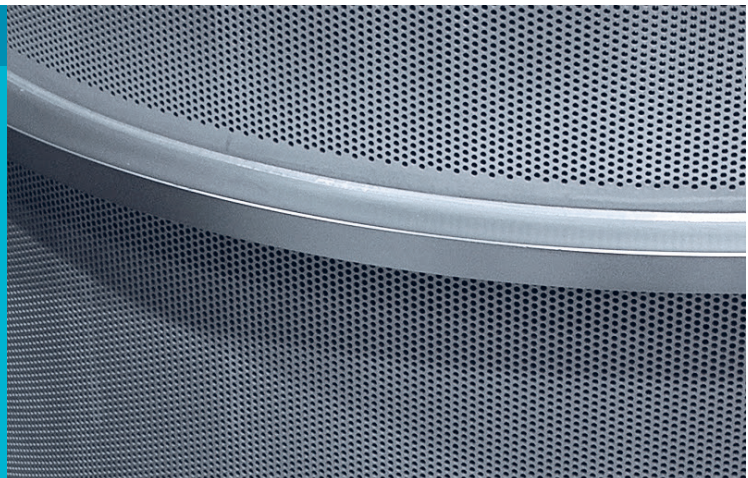
# Durability and capacity for screening

## Valmet Screen Basket H1

Valmet Screen Basket H1 provide a durable and high capacity solution for screening. While wedge-wire baskets are used for very fine screening, the robustness of drilled screen make them well suited for machine screens and pre-screening stages to protect fine screens from large and hard impurities.

### Applications

- Knotting of chemical pulp
- Coarse screening of RCF
- Machine screening



### High capacity

The open area of Valmet Screen Basket H1 is five to ten times larger compared to slotted baskets providing high capacity. Typical range of hole sizes for different screening applications can be from 0.8 to 3.0 mm, with the shape of holes cylindrical, conical or step drilled depending on application and needs.

The traditional flat surface enables good separation of coarse fibers and gives an extremely good lifetime. Screen Basket H1 for approach flow applications have good runnability and high capacity, with the extremely smooth surface finish providing stringing free operation. The high open area enables smaller size screens while retaining the same capacity as a wedge-wire basket.

### NWP surface geometry for improved screening

By contouring the surface of the Screen Basket H1 using the NWP profile, the screening capacity can be increased. Micro-turbulence on the surface of the screen basket breaks fiber flocks and increases capacity. The holes are hidden behind the ridges of the contour in the flow direction for high removal efficiency.