

## CLARIFICATION TANK EQUIPMENT

### + RÄUMER.PLUS ROTATING SCRAPERS

Clarification is an essential step in water and wastewater treatment processes. The aim of the clarification is to remove suspended solids by gravity settling and providing a clarified effluent. Determining the appropriate clarification technology and selecting the proper equipment to fit this technology is highly important to obtain high-efficient results. Selected equipment have an important duty to remove the sediment and floating matter which accumulate as a result of solids separation.

RÄUMER.PLuS (RMR+) Scrapers are especially developed for circular clarification tanks with central feeding structure, serving as radial, cantilever or diametrical scrapers, which can easily be adapted to suit for tank dimensions and plant requirements. Sludge and scum removal systems are connected to the peripheral driven rotating bridge.

RMR+ Scrapers are available in different type of sludge removal systems:

- + Blade Type: Sludge blades push the settled sludge to the central sludge removal cone.
- + Suction Type: Settled sludge is drawn by suction pipes directly from the bottom of the tank.

RMR+ Scrapers can also be equipped with various type of floating scum removal systems:

- + Skimmer Type: Scum is directed to peripherally located removal funnel by surface skimmers.
- + Pumping Type: Scum is collected via submerged trough or rotating spiral and pumped out of clarifier tank.

