



MHD

MAGNETS

*YOUR PARTNER
AND EXPERT
IN MAGNETIC
SEPARATION*



ROLLER TYPE MAGNETIC SEPARATOR

The roller type magnetic separator ROTOMAG combines advanced magnetics and fluid dynamics to control the level of ferritic particle pollution in installations. With a fully automated program and permanent magnets, the ROTOMAG efficiently removes ferritic particles from batches of fluid, e.g. the drain of the PACMAN magnetic separator, to be collected in a waste basket.

- **ROTOMAG efficiency** 90% of ferritic particles down to 5 µm
- **ROTOMAG benefits** reduced environmental impact
 - Longer life-time of process fluid, lower water consumption
 - Less waste
 - Less burden on downstream filtration and process equipment

The polluted fluid is circulated over the magnetic roll for a configurable amount of time. By means of a flow divider the fluid is evenly distributed over the magnetic roll. The scraper plate removes the particles from the magnetic roll to be collected in the filter bag in the waste basket. The ROTOMAG consists of the following five main components:

- **Magnetic roller box**
 - Flow divider
 - Magnetic roll
 - Wash roll
- **Waste shute**
 - Teflonated shute
 - Phosphor bronze scraper plate
 - Magnetic shield plate
- **Waste basket**
 - Removable and reusable waste bag
 - Fluid drain
- **Circulation tank**
- **Stainless steel pallet/drip pan**

ROTOMAG



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ROTOMAG INTEGRATION

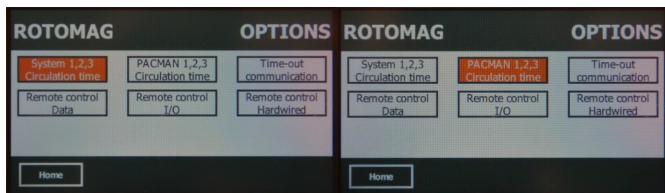
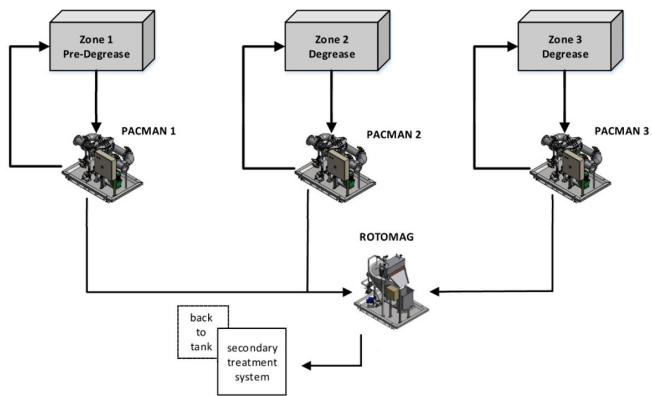
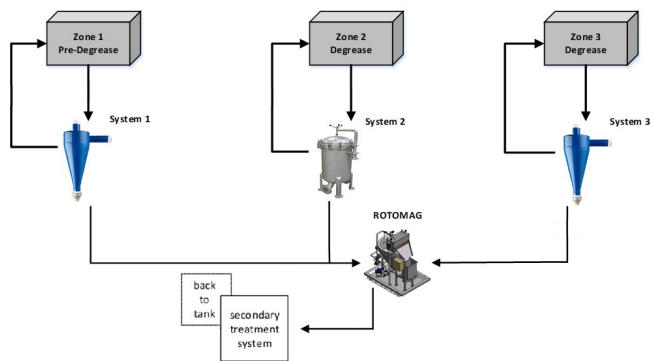
The roller type magnetic separator ROTOMAG is designed to effectively remove ferritic particles from batches of fluid. Drained fluid of up to three primary filters or separators, PACMAN magnetic separators or third party systems for example, can be handled by the ROTOMAG.

In combination with the PACMAN magnetic separator, the interaction between the ROTOMAG and PACMAN separators is fully optimized and integrated. The focus of this completely integrated solution is keeping the primary PACMAN separators in filtration mode with optimized cleaning cycles and no waiting times.

The number of connected primary filters or separators and their required circulation times are configurable in case of ROTOMAG integration with third party systems. The configurable circulation time allows for the integration of different types and sizes of third party systems and application in various processes.

ROTOMAG configurable setting for optimal integration and operation:

- Optimised automation and interaction in combination with PACMAN magnetic separator(s)
- Configurable settings for integration with third party (primary) systems
- Multiple settings to optimise the ROTOMAG integration in customer process



SPECIFICATIONS

	Nom. volume <i>litre</i>	Roll dimensions <i>mm</i>	Circulating flow rate <i>m³/hr</i>	Weight <i>kg</i>	Effective magnetic field <i>Tesla / Gauss</i>
ROTOMAG-400	255	Ø 200 x 400	18	550	0,32 / 3200
ROTOMAG-700	536	Ø 200 x 700	18	650	0,32 / 3200