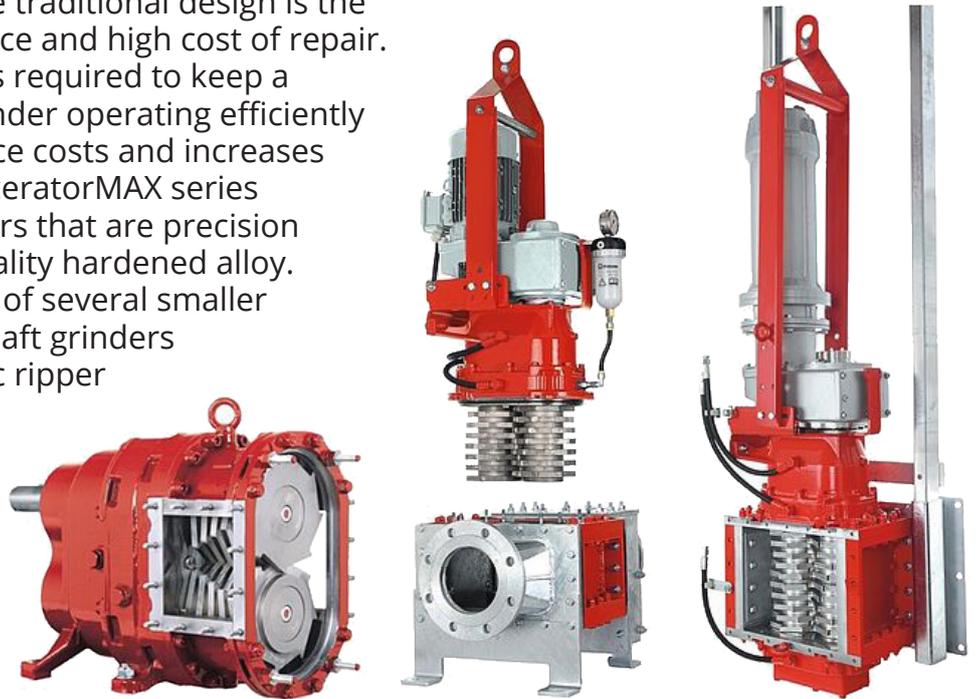


Features & Benefits

**MACERATOR
MAX**

Aline twin-shaft grinders effectively reduce large solids to a manageable size for further solids eduction or for downstream pumps and equipment to process without clogging or damage. What sets the MaceratorMAX apart from other twin shaft grinders is its unique cutting elements. Traditional twin shaft grinder cutters are stacked up along the shaft using smaller individual blades and spacers. The main disadvantage of the traditional design is the complexity of maintenance and high cost of repair. Periodic factory service is required to keep a traditional twin-shaft grinder operating efficiently which affects maintenance costs and increases downtime. The Aline MaceratorMAX series features solid ripper rotors that are precision machined out of high quality hardened alloy. They are not built up out of several smaller pieces like typical twin-shaft grinders but as a single monolithic ripper pack. Our ripper rotors provide longer lasting grinding performance and are easy to replace without sending back to the factory for reconditioning.



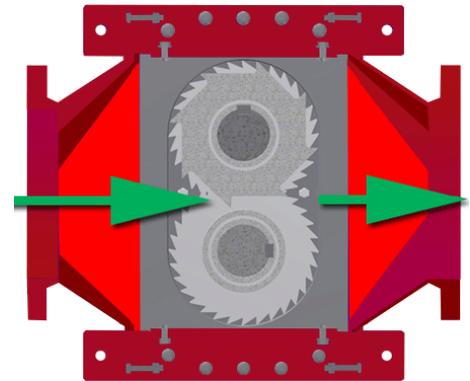
**MACERATOR
MAX**

How they work

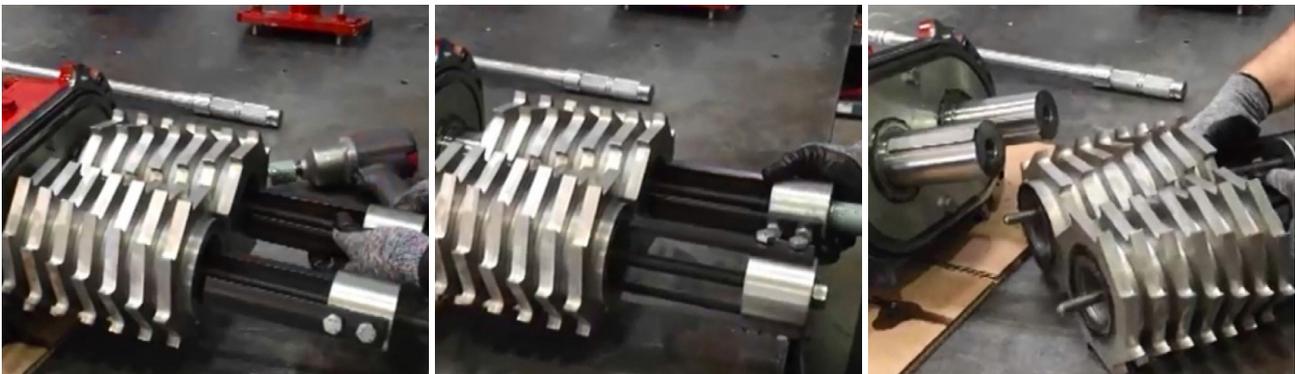
The MaceratorMAX grinds and reduces solids by means of two rotating ripper rotors. Each rotates in the opposite direction towards the center of the device. This draws solids between the ripper rotors which effectively grinds the solids as they pass through.

To enhance the grinding effect, one of the cutting elements is rotating faster than the other. The difference in rotational speed enhances the overall ripping effect of the device.

**MACERATOR
MAX**



Easy on-site Maintenance



Unlike single-blade systems that may require factory rebuilds, the Aline MaceratorMAX series is easy to service on-site. Everything can be done inline without shipping anything back to the factory for repair. Simply remove a few retaining hex nuts and the unit can be lifted vertically, via the lifting bail, while the flanges and housing remain connected to the piping.

The Aline MaceratorMAX series ripper blades are both removed at the same time and come off in solid sections versus individual pieces like ordinary twin shaft grinders. Typical routine service such as changing ripper rotors takes only a fraction of the time required to service a typical twin shaft grinder. In addition there are no cartridge style parts that require factory refurbishment.