

Cost-Effective Vibratory Effluent Recycling System



A&B Deburring's effluent recycling system offers a simple and cost-effective approach in the separation and disposal of waste created from vibratory finishing operations.

This system removes sludge and deburring material to maintain clean tumbling media and parts. By removing this sludge prior to reusing the effluent, it will not redeposit on tumbling media and cause it to glaze over. This results in cleaner media and shorter time cycles.

The clay-based flocculent removes the sludge, but not the liquid compound. This reduces the amount of compound that is required. By reusing the vibratory effluent and reducing the amount of compound, cost savings your vibratory finishing operations are realized.



A&B Deburrring

*Equipment, supplies, & services for...
blast cleaning, shot peening,
mass finishing, & aqueous cleaning.*

Construction:

The system consists of a polyethylene cone-bottom processing tank and rectangular holding tank. These tanks and the structural components are made of plastic to prevent corrosion and ensure long life. The mixing pump is a standard 1/4 HP (120V) with a stainless steel impellor. Also included are two recirculating pumps, (5) #10 micron filter bags, and 50-lbs of RM-10 flocculent.

Operation:

Vibratory wastewater is pumped into the 30-gallon mixing tank where RM-10 clay powder flocculent is added and allowed to mix for 10 minutes. The flocculent binds to the sludge and separates the heavy debris, causing it to settle to the bottom. The gate valve at the bottom of the tank is then opened and the wastewater is filtered through a 10-micron bag that is located under the processing tank. The filtered effluent accumulates in the holding tank where it is ready to be used again for your vibratory finishing operation. The sludge in the filter bag can be allowed to dry into a cake and disposed of as a solid. Filters can be used for 3 to 5 cleaning cycles, or up to 150 gallons of effluent. The flocculent is added at a rate of 1/2 ounce per gallon of vibratory wastewater.

System Price \$ 3,450.00/ea

Consumables:

Filter bags, #10 micron \$ 12.85/ea

RM-10 flocculent, 50-lb bag \$ 95.00/bag

Terms: Net 30 days
Delivery: 2-3 weeks ARO
FOB: Cincinnati, OH

A&B DEBURRING Co.
Providing metal finishing solutions since 1946

A&B Deburrring Co. is the national rep organization for the Sweco vibratory finishing mill product line. Our company has been selling and servicing Sweco equipment for more than 40 years. Let our factory-trained staff provide superior support for your mass finishing operations. We are the only source you need for mass finishing equipment, replacement parts, and tumbling medias and compounds.

A&B Deburrring operates a complimentary sample processing lab. Send us your most difficult parts. Our staff has more than two centuries of collective experience in the mass finishing industry and we would look forward to the challenge.