

FMWT CO., LTD.

by Nai-Wen Chang, Fastener World



■ Electrolytic Polishing and Grinding Machine

The All-New Auto Control Sludge Discharging & Oil Recycling Machine

The model patented in several countries allows for longer machine service life and more stable quality

With the increasing concern about environmental protection, manufacturers not only have to attach importance to quality, but also need to share the social responsibility for the Nature. For more than a decade, Mr. Hsiang Wu, President of FMWT, has been dedicated himself to the experiments and improvements of AUTOMATIC SLUDGE SEPARATOR and has successfully developed the all-new AUTOMATIC SLUDGE SEPARATOR, which has been patented in several countries (China and Taiwan for example). President Wu is also planning to organize his sales teams in Vietnam and Thailand in order to promote this latest eco-friendly tool to global users.

The Best Solution to In-House Environmental Protection Issues

President Wu gave an example and said, “The oil running through machines is like blood running in human bodies. If too many impurities exist in the oil, the yield rate of products will decrease and the service life of machines will be reduced.” As a result, it is strongly suggested that oil be replaced and machines be cleansed regularly in order to consolidate stable quality and extend the service life of machines. When many leading companies and governments start to set stricter requirements due to environmental protection reasons, companies using this machine cannot only elevate their quality and reduce costs, but also earn themselves a positive image of being a company fulfilling social responsibilities.

Positive Users’ Testimonies That Have Helped Broadened the Customer Base

A precision parts manufacturer using the AUTOMATIC SLUDGE SEPARATOR said that the first and most significant result is the clean factory floor and the second one is the significantly decreased malfunction rate of machines, which require only periodic maintenance, thus greatly reducing the replacement rate. More stable product quality also reduces the variance that will influence the yield rate. Accordingly, the company also introduced other manufacturers vexed at similar problems to use the machine. Another machine manufacturer even contacted President Wu for co-developing a type of machine without the need to discharge sludge and which will activate cleansing periodically, making it a so-called “green” machine.



Automatically Improving the Manufacturing Environment, Increasing Quality and Saving Costs

After the machine is installed and the periodic cleaning time is set, the machine will automatically recycle and reuse the oil and water used for sludge separation. The discharging procedure is completely automatic, reducing manned operations and wastes. The machine can be used on any manufacturing equipment that generates waste oil or waste water. It is lightweight, features high mobility, and can be used on more than one machine at a time. The machine separates sludge based on physical theorems, so it does not need any consumables for replacement.

Continuous innovation and release of improved products compliant with industrial upgrade policies have been always the core ideas of President Wu. Currently, he is also continuously developing new products and hopes to release the multi-function machines that can solve all manufacturing site problems at a time in the future. FMWT helps traditional industries solve their difficulties, advocates spontaneous effort to achieve environmental protection and will be working with everyone to make contributions to protect the environment. ■



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■ 1. Residue in the acid pickling trough

■ 2. FMWT facilities

Oil-pressure de-hydrator: Before the process of separation, the residue in the acid pickling trough must be pumped into the orange storage barrel first, then extracted by the pump, filtered with non-woven fabric and then go through the oil-pressure de-hydrator to squeeze out water, but in the end the water containment level of the residue is still at over 60-70%.

FMWT separator: The equipment can directly separate out the residue in the acid pickling trough, and send water back to the trough for reuse. The extracted residue has only a 20-30% water containment level.

■ 3. Residue from filtration

■ 4. Residue goes directly into the collecting bag

