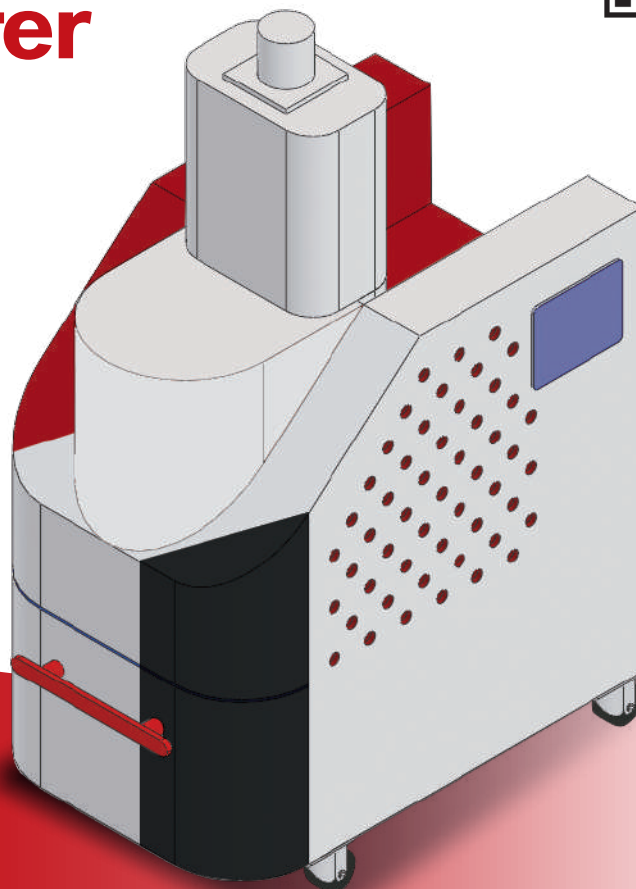




Fully Automatic Centrifugal Filter



Patent Application Number

Taiwan No.: M656428

China No.: ZL202420588063.2



Fully automatic filtering and rapid chip removal



Filtration efficiency up to 95%



Saves on cutting fluid expenses



Compact size, easy to install



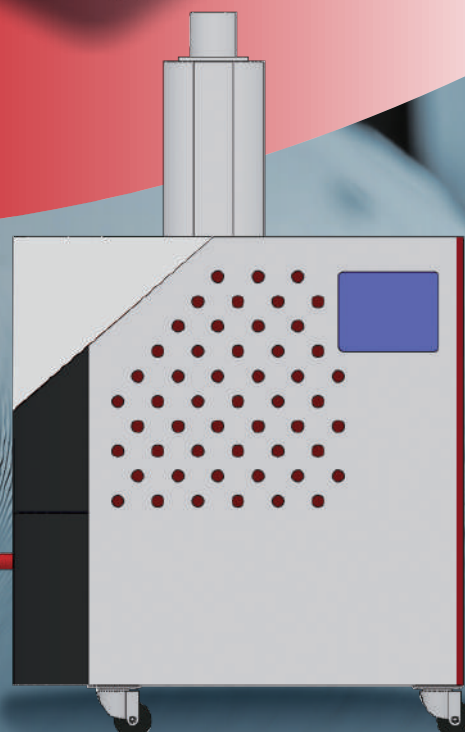
Suitable for the grinding industry, glass industry, and semiconductor industry



Applicable for grinding machines, glass, and wafer processing



No consumables, green energy, and environmentally friendly



Mecatron **MECATRON MACHINERY CO., LTD.**

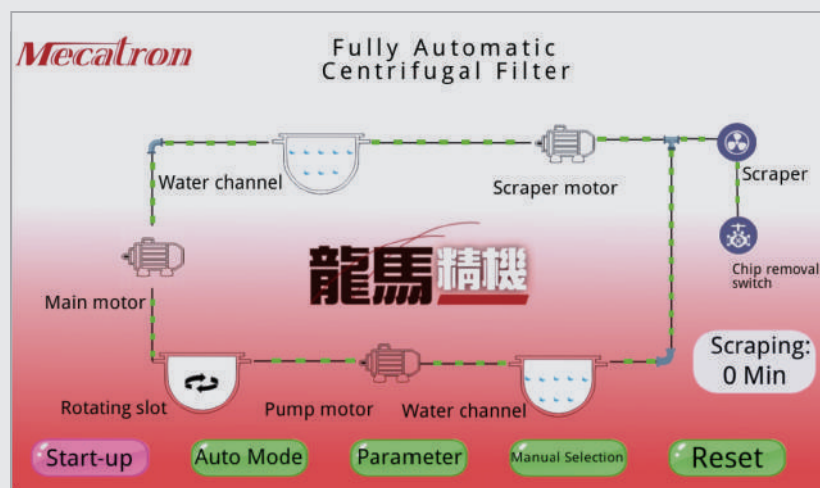
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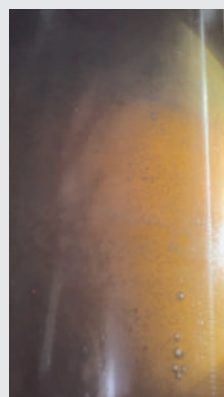
Fully Automatic Centrifugal Filter

Filtration Process



Actual Testing

Adjust the chip removal time based on the concentration of fines in the cutting fluid.

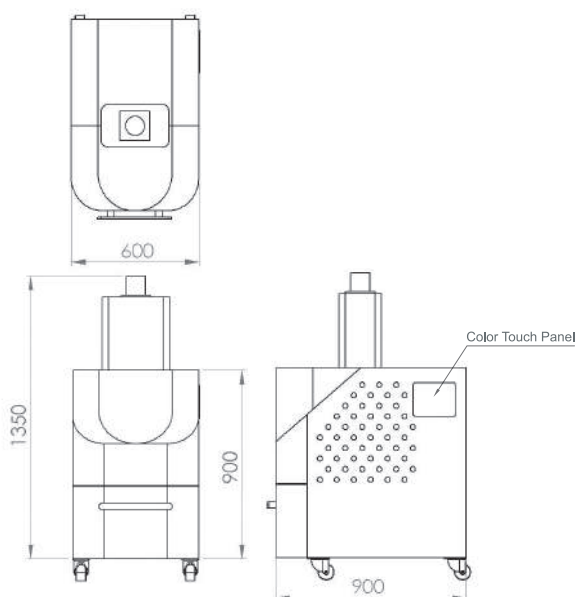


Filtering



Iron Filings Deposition Condition

Appearance

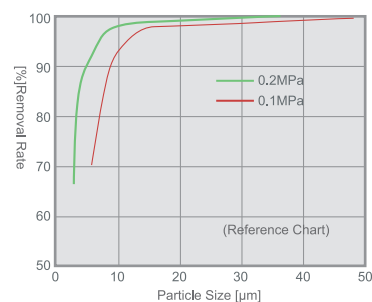


Removal Rate

Removal Rate of Each Particle Size Under Supply Pressure of 0.2 MPa

Particle Size	3μm	5μm	10μm	15μm	25μm
Aluminum (Specific Gravity 2.7)	65	88	95	98	99
FC (Specific Gravity 7.21)	70	90	97	99	99

Liquid: Water (Specific Gravity 1.0, Kinematic Viscosity 1 cst)
Sludge: Aluminum (Specific Gravity 2.7)



Patent Certificate



	CF-600	CF-1200
Capacity	60 L/min.	120 L/min.
Filtration Precision	30u	
Machine Size	900*600*1350 mm	
Machine Weight	80 kg	90 kg
Filtration Solution	Water-soluble, Oil-based	
Filtration Material	Metal, Non-metal, Glass	
Filtration Purpose	Metalworking, Non-metalworking, Grinding	

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